CITY OF MIRAMAR
PROPOSED CITY COMMISSION AGENDA ITEM

First Reading Date: March 4, 2026

Second Reading Date: Pending State of Florida Comments

Presenter's Name and Title: Sue-ling Rosario, Assistant Director, on behalf of the Building, Planning & Zoning Department

Prepared By: Sue-ling Rosario, Assistant Director on behalf of the Department of Building, Planning and Zoning

Temp. Ord. Number: 1862

Item Description: **FIRST READING** of Temp. Ord. No. 1862, CONSIDERING AN EVALUATION AND APPRAISAL REVIEW ("EAR") BASED AMENDMENTS TO THE CITY OF MIRAMAR COMPREHENSIVE PLAN, ATTACHED HERETO AS EXHIBIT "A," TO REFLECT THE REQUIRED MINIMUM TEN-YEAR AND TWENTY-YEAR PLANNING PERIODS AND CHANGES IN STATE LAW AND LOCAL CONDITIONS SINCE THE LAST COMPREHENSIVE PLAN UPDATE, AND TO ADOPT BY REFERENCE THE 2025 TEN-YEAR WATER SUPPLY FACILITIES WORK PLAN, ATTACHED HERETO AS EXHIBIT "B," IN RESPONSE TO THE SEPTEMBER 2024 LOWER EAST COAST REGIONAL WATER SUPPLY PLAN ADOPTED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT; PURSUANT TO SECTIONS 163.3167, 163.3174(4), 163.3184(4) AND (11), AND 163.3191, FLORIDA STATUTES ("F.S."), AND SECTION 303(2)(B) OF THE CITY OF MIRAMAR LAND DEVELOPMENT CODE; AMENDING THE FUTURE LAND USE MAP TO ENSURE CONSISTENCY WITH THE BROWARD NEXT BROWARD COUNTY LAND USE PLAN FUTURE LAND USE MAP; AMENDING THE GOALS, OBJECTIVES, AND POLICIES OF THE FUTURE LAND USE, TRANSPORTATION, HOUSING, INFRASTRUCTURE, CONSERVATION, RECREATION AND OPEN SPACE, INTERGOVERNMENTAL COORDINATION, CAPITAL IMPROVEMENTS, AND PUBLIC SCHOOL FACILITIES ELEMENTS; PROVIDING SUPPORTING DATA AND ANALYSIS FOR SAID AMENDMENTS; PROVIDING FOR TRANSMITTAL OF THE PROPOSED AMENDMENTS TO THE FLORIDA DEPARTMENT OF COMMERCE AND OTHER REVIEWING AGENCIES FOR REVIEW PURSUANT TO THE STATE COORDINATED REVIEW PROCESS SET FORTH IN SECTION 163.3184(4), F.S.; PROVIDING FOR SEVERABILITY; PROVIDING FOR INTERPRETATION; PROVIDING FOR CORRECTION OF SCRIVENER'S ERRORS; AND PROVIDING FOR AN EFFECTIVE DATE. (Sue-ling Rosario, Building, Planning, and Zoning Assistant Director)

Consent ☐ Resolution ☐ Ordinance ☒ Quasi-Judicial ☐ Public Hearing ☐

Instructions for the Office of the City Clerk: None

Public Notice – As required by the Sec. __301.11__ of the City Code and/or Sec. 163.3184(11)____, Florida Statutes, public notice for this item was provided as follows: on 2/1/2026 in a legal display ad in the Sun-Sentinel; by the posting the property on _____ and/or by sending mailed notice to property owners within _____ feet of the property on _____ (fill in all that apply)

Special Voting Requirement – As required by Sec. ____, of the City Code and/or Sec. ____, Florida Statutes, approval of this item requires a _____ (unanimous, 4/5ths etc.) vote by the City Commission.

Fiscal Impact: Yes ☐ No ☒

REMARKS: None

Content:

- **Agenda Item Memo from the City Manager to City Commission**
- **Ordinance TO 1862**
  - **Exhibit "A": Proposed Comprehensive Plan Text Amendment**
  - **Exhibit "B": Proposed 2025 10-Year Water Supply Facilities Work Plan**
- **Attachment(s)**
  - **Attachment 1: Ordinance 26-01**
  - **Attachment 2: Florida Commerce Null and Void Notice**
  - **Attachment 3: Florida Commerce Staff Report**

Business Impact Estimate

This form should be included in the agenda packet for the item under which the proposed ordinance is to be considered and must be posted on the City of Miramar's website by the time notice of the proposed ordinance is published.

Proposed ordinance's title/reference: an Ordinance of the City Commission of the City of Miramar, Florida, considering an Evaluation and Appraisal Review ("EAR") based amendments to the City of Miramar Comprehensive Plan, attached hereto as exhibit "A," to reflect the required minimum ten-year and twenty-year planning periods and changes in state law and local conditions since the last comprehensive plan update, and to adopt by reference the 2025 ten-year water supply facilities work plan, attached hereto as Exhibit "B," in response to the September 2024 Lower East Coast Regional Water Supply Plan adopted by the governing board of the South Florida Water Management District; pursuant to Sections 163.3167, 163.3174(4), 163.3184(4) and (11), and 163.3191, F.S., and Section 303(2)(b) of the City of Miramar Land Development Code; amending the Future Land Use Map to ensure consistency with the Broward Next-Broward County Land Use Plan Future Land Use Map; amending the Goals, Objectives, and Policies of the Future Land Use, Transportation, Housing, Infrastructure, Conservation, Recreation and Open Space, Intergovernmental Coordination, Capital Improvements, and Public School Facilities Elements; providing supporting data and analysis for said Amendments; providing for transmittal of the proposed Amendments to the Florida Department of Commerce and other reviewing agencies for review pursuant to the state coordinated review process set forth in Section 163.3184(4), F.S.; providing for severability; providing for interpretation; providing for correction of scrivener's errors; and providing for an effective date.

This Business Impact Estimate is provided in accordance with Section 166.041(4), F.S. If one or more boxes are checked below, this means the City of Miramar is of the view that a business impact estimate is not required by state law[1] for the proposed ordinance, but the City of Miramar is, nevertheless, providing this Business Impact Estimate as a courtesy and to avoid any procedural issues that could impact the enactment of the proposed ordinance. This Business Impact Estimate may be revised following its initial posting.

- ☐ The proposed ordinance is required for compliance with Federal or State law or regulation;
- ☐ The proposed ordinance relates to the issuance or refinancing of debt;
- ☐ The proposed ordinance relates to the adoption of budgets or budget amendments, including revenue sources necessary to fund the budget;
- ☐ The proposed ordinance is required to implement a contract or an agreement, including, but not limited to, any Federal, State, local, or private grant or other financial assistance accepted by the municipal government;
- ☐ The proposed ordinance is an emergency ordinance;
- ☐ The ordinance relates to procurement; or

☒ The proposed ordinance is enacted to implement the following:

a. Development orders and development permits, as those terms are defined in Section 163.3164, F.S., and Development Agreements, as authorized by the Florida Local Government Development Agreement Act under Sections 163.3220-163.3243, F.S.;
b. Comprehensive plan amendments and land development regulation amendments initiated by an application by a private party other than the municipality.
c. Sections 190.005 and 190.046, F.S., regarding community development districts;
d. Section 553.73, F.S., relating to the Florida Building Code; or
e. Section 633.202, F.S., relating to the Florida Fire Prevention Code.

In accordance with the provisions of controlling law, even notwithstanding the fact that an exemption noted above may apply, the City of Miramar hereby publishes the following information:

1. Summary of the proposed ordinance (must include a statement of the public purpose, such as serving the public health, safety, morals and welfare):

The proposed ordinance relates to the EAR-Based Amendments to the City of Miramar's Comprehensive Plan to address changes in state law, Broward County land use planning framework and the City's local environment since the 2010 adoption of the last EAR-Based Amendments. Consistent with requirements set forth in Section 163.3191, F.S., the contemplated Amendments will remove antiquated goals, objectives and policies ("GOPs") of the various elements of the Comprehensive Plan, update those GOPs that need updating, and incorporate new action-oriented GOPs that align with community desires and support the City's long-term vision for sustainable growth and development.

In compliance with Section 163.3177(5)(a), F.S., the proposed Amendments will also include planning periods, one covering the first 10-year period occurring after the adoption of these EAR-Based Amendments and one covering at least a 20-year period. Finally, the proposed EAR-Based Amendments, will, in compliance with the 18-month deadline from the approval of the Lower East Coast Regional Water Supply Plan Update adopted in September 2024, update its Ten-Year Water Supply Facilities Work Plan, which, as set forth in Section 163.3177, F.S., will identify and incorporate traditional and alternative projects and the water reuse programs necessary to meet the water needs for all existing and future reasonable-beneficial uses for the next 10 years within the City.

The overall public purpose of these EAR-Based Amendments is to foster and preserve public health, safety, comfort and welfare, and to aid in the harmonious, orderly, and progressive development of the City.

2. An estimate of the direct economic impact of the proposed ordinance on private, for-profit businesses in the City of Miramar, if any:
(a) An estimate of direct compliance costs that businesses may reasonably incur;
(b) Any new charge or fee imposed by the proposed ordinance or for which businesses will be financially responsible; and
(c) An estimate of the City of Miramar's regulatory costs, including estimated revenues from any new charges or fees to cover such costs.

The proposed ordinance is primarily a planning and policy update required by state law and does not directly impose new regulatory requirements on private, for-profit businesses beyond those already established in the City's existing Comprehensive Plan and Land Development Code.

3. Good faith estimate of the number of businesses likely to be impacted by the proposed ordinance:

Not applicable. The amendment is a policy update to the City's Comprehensive Plan and Water Supply Facilities Work Plan and does not impose regulatory requirements on individual businesses.

4. Additional information the governing body deems useful (if any):

The proposed EAR-Based Amendments are substantively identical to the ones adopted by the City Commission on November 17, 2025, with the exception of the removal of seven policies determined by the Florida Department of Commerce to be inconsistent with Chapter 2025-190, Laws of Florida, and the inclusion of language adopting by reference the 2025 Ten-Year Water Supply Facilities Work Plan.

The Florida Department of Commerce determined that the EAR-Based Amendments adopted in November 2025 were null and void ab initio due to conflicts with recently enacted state law. As a result, the City must proceed under a new transmittal cycle to ensure compliance with statutory requirements. Approval of the proposed ordinance allows the City to resume the state coordinated review process and maintain consistency with the Community Planning Act and regional water supply planning requirements.

CITY OF MIRAMAR
INTEROFFICE MEMORANDUM

TO: Mayor, Vice Mayor, & City Commissioners

FROM: Dr. Roy L. Virgin, City Manager

BY: Nixon Lebrun, Director of Building, Planning and Zoning Department

DATE: February 26, 2026

RE: Temp. Ord. No. 1862 considering an Evaluation and Appraisal Review ("EAR") based Amendments to the City of Miramar Comprehensive Plan

RECOMMENDATION: That, pursuant to Sections 163.3167, 163.3174(4), 163.3184(4) and (11), 163.3191, and 373.709, Florida Statutes ("F.S."), and Section 303(2)(B) of the City of Miramar (the "City") Land Development Code ("LDC"), the City Commission hold a duly noticed initial public hearing on Temporary Ordinance No. 1862 to review and approve the proposed Evaluation and Appraisal Review ("EAR") based Amendments to the City's Comprehensive Plan (the "EAR-Based Amendments" or the "Amendments"), attached hereto as Exhibit "A," and to adopt by reference the 2025 10-Year Water Supply Facilities Work Plan (the "Work Plan"), attached hereto as Exhibit "B." The City Manager further recommends that, upon due consideration of the Supporting Data and Analysis, the recommendation of the Planning and Zoning Board, the record developed at the public hearing, and the extent to which the Amendments preserve the internal consistency of the City's Comprehensive Plan and comply with all applicable requirements of the Community Planning Act and the City's LDC, the City Commission authorize the City Manager to transmit the proposed Amendments to the Florida Department of Commerce ("Florida Commerce"), the designated State Land Planning Agency, and all other applicable reviewing agencies. applicable reviewing agencies listed in Section 163.3184(1)(b), F.S., for review under the State Coordinated Review Process set forth in Section 163.3184(4), F.S.

ISSUE: Pursuant to Sections 163.3184(4)(b) and (11)(a), F.S., the transmittal of a complete proposed EAR-Based comprehensive plan amendment requires an affirmative vote of not less than a majority of the members of the governing body present at an initial public hearing, following the public notice requirements set forth in Section 163.3184(11), F.S. As required by Section 163.3174, F.S., and Section 303.6 of the City's LDC, the City's Planning and Zoning Board, sitting as the Local Planning Agency ("LPA"), reviewed

the proposed EAR-Based Amendments and findings of facts from staff at a duly noticed public hearing held on February 10, 2026, and upon due consideration, unanimously recommended that the City Commission approve and transmit the amendments to the State Land Planning Agency and all other applicable reviewing agencies. Accordingly, and in compliance with Section 163.3184(4), F.S., and Section 303.8 of the City's LDC, this item is being placed on the City Commission agenda so that the Commission may conduct the required initial public hearing to authorize the transmittal of the proposed EAR-Based Amendments for review under the State Coordinated Review Process established in Section 163.3184(4), F.S.

BACKGROUND: It shall be noted from the onset that the process to update the City Comprehensive Plan started almost two (2) years ago. As set forth in Section 163.3191, F.S., Evaluation and Appraisal Notification Letters have since, the adoption of the Community Planning Act in 2011, become the streamlined process for initiating the seven-year update of a local government's comprehensive plan. Pursuant to the schedule for the Evaluation and Appraisal Notification Letters posted on Florida Commerce's website, the City's Evaluation and Appraisal Notification Letter was due on June 1st, 2024.

The City conducted an Evaluation and Appraisal Review of its adopted Comprehensive Pan and notified Florida Commerce on May 21, 2024, of its intent to update the Comprehensive Plan to reflect new planning horizons, changes in state requirements, and changes in local conditions. Florida Commerce acknowledged receipt of the City's notification and established May 9, 2025, as the deadline for transmittal of the proposed EAR-Based Amendments.

Thereafter, the City issued Request for Quotation No. 24-BPZ066 and procured the professional planning services of Keith Engineering ("Keith"), a comprehensive planning consultant with expertise in EAR-Based amendments. As part of the public participation requirements of the Community Planning Act, and in coordination with Keith Engineering, the City conducted three (3) neighborhood-level community meetings to solicit public input on the "originally" proposed EAR-Based Amendments. These meetings were held in the Commission Chambers on January 27, 2025, at the Multi-Service Center on January 28, 2025, and at the Sunset Lakes Community Center on January 29, 2025.

In accordance with Section 163.3174, F.S., and Section 303.6 of the City's LDC, the LPA reviewed the proposed EAR-Based Amendments and the Supporting Data, Inventory, and Analysis at two (2) duly noticed public hearings held on March 11 and April 8, 2025. At the conclusion of those hearings, the LPA unanimously recommended that the City Commission approve and transmit the proposed amendments to Florida Commerce and other applicable reviewing agencies. On May 7, 2025, pursuant to Section 163.3184(4), F.S., and Section 303.8 of the City's LDC, the City Commission considered the proposed EAR-Based Amendments and authorized their transmittal for review under the State Coordinated Review Process. In compliance with the May 9 deadline, the City transmitted the proposed EAR-Based Amendment package to Florida Commerce on May 8, 2025.

On July 7, 2025, Florida Commerce issued its Objections, Recommendations, and Comments ("ORC") Report identifying three (3) objections and four (4) comments and established a 180-day deadline from the date of the ORC Report for adoption of the EAR-Based Amendments. Following receipt of the ORC Report and completion of the statutory review process, the City Commission unanimously adopted the EAR-Based Amendments to the City's Comprehensive Plan (Comprehensive Plan Amendment No. 26-01ER) on November 17, 2025. The adopted amendment package was then transmitted to Florida Commerce on November 20, 2025.

In a correspondence dated January 8, 2026, Florida Commerce notified the City that it had completed its review of the adopted EAR-Based Amendments, which were received on November 24, 2025, in accordance with the state coordinated review process set forth in Sections 163.3184(2) and (4) F.S. However, Florida Commerce also identified conflicts with the City's adopted EAR-Based Amendments and the application of Chapter 25-190 Section 28, Laws of Florida, which took effect on July 1, 2025, and was made retroactive to August 2024. These conflicts made the adopted amendments null and void ab initio; it is as if those amendments were never adopted.

On January 28, 2026, City staff met with representatives of Florida Commerce to discuss the January 8, 2026 correspondence and was advised to submit the EAR-Based Amendments under a new transmittal cycle due to the expiration of the 180-day adoption deadline following issuance of the ORC Report.

The following timeline highlights the prior actions undertaken by the City in connection with the Evaluation and Appraisal Review process:

PREVIOUS ACTIONS TAKEN:

- **April 9, 2024:** EAR Notification Letter received by the City from the Florida Department of Commerce
- **May 21, 2024:** City notification to Florida Commerce of its intent to update the Comprehensive Plan
- **May 21, 2024:** Florida Commerce acknowledged receipt of the City's notification
- **June 2024:** The City procured the professional planning services of Keith Engineering
- **January 27, 28, and 29, 2025:** Keith Engineering held three (3) community meetings to solicit public input on the proposed EAR-Based Amendments
- **March 11 and April 8, 2025:** The Planning and Zoning Board recommended transmittal of the EAR-Based Amendments
- **May 7, 2025:** The City Commission authorized transmittal of the proposed EAR-Based Amendments
- **May 8, 2025:** The City transmitted the proposed EAR-Based Amendment package to the Florida Department of Commerce
- **July 7, 2025:** Florida Commerce issued its ORC Report and established a 180-day deadline to adopt the EAR-Based Amendment

- **November 17, 2025:** The City Commission adopted the revised EAR-Based Amendments Ordinance No. 26-01
- **November 20, 2025:** The City transmitted the adopted EAR-Based Amendment package to Florida Commerce
- **January 8, 2026:** Florida Commerce issued technical comments rendering the amendments null and void ab initio
- **January 28, 2026:** City staff met with Florida Commerce who recommended that the City proceed under a new transmittal cycle

The amendments presently before the City Commission are substantively identical to the Comprehensive Plan amendments adopted on November 17, 2025, and transmitted to the State, with the exemption of the policies in conflict with the Chapter 28 law and language to adopt the Work Plan. As such, the introduced Discussion and Analysis will focus on the Senate bill that rendered the adopted Comprehensive plan null and void, as well as the statutory requirement to update the City's 10-year Work Plan.

DISCUSSION: Chapter 2025-190, Section 28, L.O.F., enacted in response to federal disaster declarations associated with Hurricanes Debby, Helene, and Milton, imposes limitations on local governments' authority to adopt comprehensive plan amendments and land development regulations that are deemed "more restrictive or burdensome" on development. The statute provides that any such amendments adopted after July 31, 2024, are subject to judicial invalidation and prohibits local governments from adopting development-hindering measures until October 1, 2027.

In its correspondence dated January 8, 2026, Florida Commerce determined that seven (7) policies contained within the City's adopted EAR-Based Amendments were more restrictive or burdensome than the previously existing Comprehensive Plan provisions and therefore conflicted with Section 28 of Chapter 2025-190, L.O.F. Based on this finding, Florida Commerce concluded that the adopted amendments are null and void ab initio ("from the beginning"). As a result of this determination, Comprehensive Plan Amendment No. 26-01ER is legally ineffective and must be treated as though it was never adopted. Accordingly, the City must continue to rely upon the previously effective Comprehensive Plan provisions for all planning, zoning, permitting, and development review actions.

To address Florida Commerce's technical comments and ensure compliance with state law, the seven (7) policies identified by Florida Commerce, listed below, have been removed from the EAR-Based Amendments. The remaining policies and provisions are now being resubmitted to the City Commission for consideration and transmittal under the State Coordinated Review Process set forth in Section 163.3184(4), F.S.

The removed policies are as follows:

1. Future Land Use Element (FLUE) Policy 1.6.4: *Require major development proposals in identified activity centers or large-scale residential projects to demonstrate how their design will enhance inclusivity for people with cognitive and*

sensory processing differences through site planning, architectural features, and access to services.

2. FLUE Policy 1.8.9: *Require developers to build mixed-use projects that incorporate streetscape design and urban enhancements within the targeted areas.*
3. FLUE Policy 1.14.10 *New development adjacent to or in the vicinity of surface waters shall be designed to minimize the direct discharge of stormwater runoff into such bodies of water.*
4. FLUE Policy 1.14.17: *Require permits for new development/redevelopment to include landscape plans for native vegetation, reestablishment or creation of tree canopy and require the removal of exotic vegetation species.*
5. Mobility Element Policy 1.1.9: *Require that future developments make provisions for public transit facilities and features, such as covered bus shelters, benches, and bus bays, and coordinate closely with transit agencies to ensure that transit facilities are consistent with short and long-range plans of those agencies.*
6. Mobility Element Policy 1.2.8: *New development and redevelopment shall contribute a fee to be established within the City's fee structure in conjunction with the transit organizations, which will be put into a multi-modal transportation project fund that will be used to provide or make enhancements to transit stops, walkways and bikeways; and provide connectivity between the residential neighborhoods and commercial developments throughout the City.*
7. Mobility Policy 4.1.1: *New development and redevelopment must demonstrate that the adopted roadway level of service can be maintained in the buildout year of the development. A traffic study prepared by a registered Professional Engineer shall be provided to the City identifying existing and future traffic volumes at buildout of the development, as well as recommendations for roadway improvements, if any. For those projects that cannot meet the concurrency requirement for transportation, the City may accept the use of "proportionate fair-share mitigation for transportation facilities" consistent with Section 163.3180, F.S.*

ANALYSIS:

Scope of Current Amendment: The newly proposed EAR-Based Amendments presently before the City Commission are substantively identical to the Comprehensive Plan Amendments adopted on November 17, 2025, with one limited and statutorily required modification. The sole change is the inclusion of language adopting by reference the 2025 Ten-Year Water Supply Facilities Work Plan, in response to the Lower East Coast ("LEC") Regional Water Supply Plan adopted on September 24, 2024, by the Governing Board of the South Florida Water Management District ("SFWMD").

Section 163.3177(6)(c), F.S., requires local governments within areas projected to have insufficient water supplies from traditional sources to amend their comprehensive plans to adopt a Water Supply Facilities Work Plan for a minimum ten-year planning period. The Work Plan must identify the public, private, and regional water supply facilities necessary to serve existing and future development, including alternative water supply projects, and must be coordinated with the Infrastructure, Capital Improvements, Conservation, and Intergovernmental Coordination Elements of the Comprehensive Plan.

Once adopted, the Work Plan must be updated within eighteen (18) months following the applicable water management district's update to the regional water supply plan. SFWMD is the state agency responsible for water supply planning in the LEC Planning Area, which includes Broward County and the City of Miramar. The SFWMD adopted its Page 5 of 6 most recent update to the Lower East Coast Regional Water Supply Plan on September 24, 2024. In response, and as required by state law, the City's Utilities Department prepared an update to the City's previously adopted Ten-Year Water Supply Facilities Work Plan, last updated in 2020. The updated 2025 Ten-Year Water Supply Facilities Work Plan, attached hereto as Exhibit "B," identifies existing and planned traditional and alternative water supply projects, water reuse initiatives, and conservation strategies necessary to meet the potable water needs of existing and future reasonable-beneficial uses within the City over the next ten (10) years. Adoption of the Work Plan by reference ensures continued consistency between the City's Comprehensive Plan and the regional water supply planning framework and satisfies the statutory update requirements of Section 163.3177(6)(c), F.S.

Based on the foregoing, staff finds that the revised EAR-Based Amendments preserve the internal consistency of the City's Comprehensive Plan, are supported by the accompanying Supporting Data Inventory, and Analysis, and comply with the Community Planning Act and applicable provisions of the City's Land Development Code. Staff therefore recommends that the City Commission conduct the required initial public hearing and authorize transmittal of the revised EAR-Based Amendments to Florida Commerce and all other applicable reviewing agencies for review under the State Coordinated Review Process.

CITY OF MIRAMAR
MIRAMAR, FLORIDA

ORDINANCE NO. _____

AN ORDINANCE OF THE CITY COMMISSION OF THE CITY OF MIRAMAR, FLORIDA; CONSIDERING AN EVALUATION AND APPRAISAL REVIEW BASED AMENDMENTS TO THE CITY OF MIRAMAR COMPREHENSIVE PLAN, ATTACHED HERETO AS EXHIBIT "A," TO REFLECT THE REQUIRED MINIMUM TEN-YEAR AND TWENTY-YEAR PLANNING PERIODS AND CHANGES IN STATE LAW AND LOCAL CONDITIONS SINCE THE LAST COMPREHENSIVE PLAN UPDATE, AND TO ADOPT BY REFERENCE THE 2025 TEN-YEAR WATER SUPPLY FACILITIES WORK PLAN, ATTACHED HERETO AS EXHIBIT "B," IN RESPONSE TO THE SEPTEMBER 2024 LOWER EAST COAST REGIONAL WATER SUPPLY PLAN ADOPTED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT PURSUANT TO SECTIONS 163.3167, 163.3174(4), 163.3184(4) AND (11), AND 163.3191, FLORIDA STATUTES, AND SECTION 303(2)(B) OF THE CITY OF MIRAMAR LAND DEVELOPMENT CODE; AMENDING THE FUTURE LAND USE MAP TO ENSURE CONSISTENCY WITH THE BROWARD NEXT BROWARD COUNTY LAND USE PLAN FUTURE LAND USE MAP; AMENDING THE GOALS, OBJECTIVES, AND POLICIES OF THE FUTURE LAND USE, TRANSPORTATION, HOUSING, INFRASTRUCTURE, CONSERVATION, RECREATION AND OPEN SPACE, INTERGOVERNMENTAL COORDINATION, CAPITAL IMPROVEMENTS, AND PUBLIC SCHOOL FACILITIES ELEMENTS; PROVIDING SUPPORTING DATA AND ANALYSIS FOR SAID AMENDMENTS; PROVIDING FOR TRANSMITTAL OF THE PROPOSED AMENDMENTS TO THE FLORIDA DEPARTMENT OF COMMERCE AND OTHER REVIEWING AGENCIES FOR REVIEW PURSUANT TO THE STATE COORDINATED REVIEW PROCESS SET FORTH IN SECTION 163.3184(4), F.S.; PROVIDING FOR SEVERABILITY; PROVIDING FOR INTERPRETATION; PROVIDING FOR CORRECTION OF SCRIVENER'S ERRORS; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, in 1972, the State of Florida Legislature ("Legislature") took its first step towards an intergovernmental system of planning by adopting the Environmental

Land and Water Management Act, which established, among other things, a program to designate Areas of Critical State concern and to provide increased regulation and regional and state oversight for Developments of Regional Impact ("DRIs") affecting multiple jurisdictions; and

WHEREAS, the 1975 Legislature passed the Local Government Comprehensive Planning Act, which effectively established the local planning component of the early Florida system of planning by requiring local governments to adopt comprehensive plans by July 1, 1979, and to manage development according to the adopted plans; and

WHEREAS, many local governments did not meet that 1979 deadline for adopting their local comprehensive plans; and

WHEREAS, in response to continued rapid growth and the challenges of state and local governments to adequately address development impacts, the 1985 Legislature revisited the intergovernmental planning system and adopted the Omnibus Growth Management Act (the "1985 Act") as Part II of Chapter 163 of the "F.S.," known officially as "The Local Government Comprehensive Planning and Land Development Regulation Act," which remedied various deficiencies in the 1975 Local Government Comprehensive Planning Act by giving more state oversight and control to the State Land Planning Agency in the continuous and ongoing planning process; and

WHEREAS, the 1985 Act required all Florida's local governments to adopt by 1992 local comprehensive plans with two (2) planning periods, one covering at least the first 5-year period after the comprehensive plan's adoption and one covering at least a 10-year period, to guide future growth and development; and

WHEREAS, the 1985 Act required every comprehensive plan to contain elements arranged into goals, objectives and policies ("GOPs"), which addressed future land use, including a future land use map ("FLUM"), housing, transportation, infrastructure, coastal management, conservation, recreation and open space, intergovernmental coordination, capital improvements (and a 5-year schedule of capital improvement ("SCI")) and public school facilities; and

WHEREAS, the 1985 Act and the now repealed Rule 9J-5, Florida Administrative Code ("FAC"), which was adopted at the direction of the Legislature as a part of that Act, listed the minimum criteria for the preparation, review, and determination of compliance of comprehensive plans and plan amendments, specifically required that comprehensive plan to be based upon relevant and appropriate data and the analyses applicable to each element; and

WHEREAS, that 1985 Act also provided for scheduled updates to the elements, even imposing penalties for failure to adopt or update elements; and

WHEREAS, the 1985 Act explicitly established the evaluation and appraisal report as the principle process for updating local comprehensive plans to address changes in the local community and changes in state law relating to growth management; and

WHEREAS, the 1985 Act required local governments to update their capital improvements schedule, within their capital improvements element ("CIE"), as an annual amendment to the comprehensive plan to demonstrate a financially feasible 5-year schedule of capital improvements, meaning the CIE had to identify sufficient revenues to fund the 5-year SCI; and

WHEREAS, the evaluation and appraisal report, which was to be prepared every

seven (7) years, determined the success of the community in addressing land use planning issues through implementation of its comprehensive plan, and suggested how the comprehensive plan was to be revised to better address community objectives, changing conditions and trends affecting the local community, and changes in state requirements; and

WHEREAS, under the 1985 Act, local governments were required to submit their reports to the Department of Community Affairs ("DCA") (currently the Florida Department of Commerce ("DOC"), the designated State Land Planning Agency, responsible for reviewing comprehensive plans and amendments to determine consistency with state law, and to use the recommendations in the reports to adopt amendments to their comprehensive plans, within 18 months after DCA had determined the report to be sufficient; and

WHEREAS, it shall be noted that the process of preparing an evaluation and appraisal report was both time-consuming and costly and that the Administration Commission was even authorized to impose sanctions on a local government that failed to adopt and submit its report or failed to implement its report through timely amendments to its comprehensive plan; and

WHEREAS, amendments to comprehensive plans were to be adopted no more than twice during any calendar year, a limitation that proved to be unworkable and warranted over time a number of statutory exceptions; and were created for situations where the twice-a-year limit was unworkable; and

WHEREAS, amendments to comprehensive plans were adopted pursuant to the following processes:

1. *The Traditional State Review Process* was codified under S. 163.3184, F.S., and specified that local comprehensive plans could be amended provided certain conditions were met, including two (2) advertised public hearings before adoption and review by the State Land Planning Agency. State, regional, and local governmental agencies submitted comments on the comprehensive plan or amendment to the State Land Planning Agency, which had the option to review the amendment, unless it was required to review upon a request from the regional planning council ("RPC"), an affected person, or the local government transmitting the amendment. If DCA elects to review or is required to review, it must issue the local government an objections, recommendations, and comments report ("ORC" Report) regarding whether the comprehensive plan or amendment is "in compliance." After receiving the report, the local government has 60 days to adopt the amendment, adopt the amendment with changes, or not adopt the amendment. After adoption, within 10 days, the local government must transmit the adopted plan amendment to DCA that had between 20 and 45 days to issue a notice of intent "(NOI") to find the amendment either "in compliance" or "not in compliance;" and
2. *The Alternative State Review Process Pilot Program (s. 163.32465, F.S.)* was created as a pilot program in 2007 to provide an alternate, expedited process for plan amendments based on streamlined state agency review. Under the pilot process, selected communities transmit proposed amendments directly to specified state agencies and local governmental entities after the first public hearing on the amendment. Most amendments proposed in the pilot program

jurisdictions were required to follow the alternative review process. In 2009, the Legislature authorized any local government to use the alternative state review process to designate an urban service area in its comprehensive plan. State agencies commenting on an amendment under the alternative review process could include technical guidance on issues of agency jurisdiction as they related to Part II of Chapter 163, F.S. Such comments were to clearly identify issues that, if not resolved, could result in an agency challenge to the amendment. Comments were sent to the local government proposing the amendment within 30 days after the commenting agency received the amendment. Following a second public hearing for the purpose of adopting the amendment, the local government was to transmit the adopted amendment to the State Land Planning Agency and any other state agency or local government that provided timely comments. The State Land Planning Agency was encouraged to focus its challenges on issues of regional or statewide importance and was not required to issue an ORC report on the proposed amendment or a NOI on the adopted amendment.

3. *The Small-Scale Amendment Process* was codified under s. 163.3187, F.S., and included several eligibility criteria. First, small-scale amendments were limited to properties that are 10 acres or fewer, were not located in an area of critical state concern with exceptions and must meet certain density criteria if they involved residential land use, among other requirements. Second, small-scale amendments were not to change goals, policies, or objectives of the local comprehensive plan, as they primarily involved changes to the future land use map for site-specific small-scale development activity. Small-scale amendments required only one (1)

public hearing and were not subject to the twice a-year limitation on comprehensive plan amendments.

WHEREAS, in conformity with, and in furtherance of, the Growth Management Act, the City of Miramar (the "City") adopted its first Comprehensive Plan, including a FLUM, in 1989 and prepared thereafter two (2) Evaluation and Appraisal Reports in 1995 and in 2005, which provided the framework and basis for the adoption of the 2000 and the 2010 Amendments to the City's Comprehensive Plan; and

WHEREAS, the 2011 Legislature enacted House Bill ("HB") 7207, which not only redesignated the Growth Management Act as the Community Planning Act (the "2011 Act") in Part II of Chapter 163 (ss. 163.3161- 163.3248), F.S., but also featured substantial amendments to the former legislation; the thrust of which was to utilize and strengthen the existing role, processes and powers of local government in the establishment and implementation of comprehensive planning programs to guide and manage future development consistent with the proper role of local government, and to focus the state role in managing growth to protecting the functions of important state resources and facilities; and

WHEREAS, the 2011 Act requires local comprehensive plans to include the policy foundation for local planning and land use decisions on future land use, transportation, housing, intergovernmental coordination, public facilities, recreation, open space, conservation, coastal management (where applicable) and capital improvements, as further outlined in Sections 163.3177, F.S.; and

WHEREAS, the 2011 Act revises s. 163.3177, F.S., to no longer include public school facilities element as a required element of local comprehensive plans and to only

require provisions relating to public school facilities if a local government chooses to maintain school concurrency at the local level; and

WHEREAS, the 2011 Act removes many of the state specifications and requirements for optional elements in the comprehensive plan, but specifically states that a local government's comprehensive plan may continue to include optional elements. It maintains that all mandatory and optional elements of a comprehensive plan and plan amendments are to be based upon professionally accepted data; and

WHEREAS, the 2011 Act also maintains that a major objective of the planning process is for elements to be coordinated with one another and requires elements within a plan to be consistent with one another and specifically allows local governments to adopt planning periods for specific components, elements, land use amendments or projects, in addition to the 5-year and 10-year planning periods called for in s. 163.3177, F.S.; and

WHEREAS, the 2011 Act requires the future land use plan and comprehensive plan amendments to take into account the need to modify land uses and development patterns within antiquated subdivisions, and to be based in part upon the amount of land designated for future planned uses to provide a balance of uses that foster vibrant, viable communities, provide economic development strategies, and address outdated development patterns, such as antiquated subdivisions; and

WHEREAS, the 2011 Act removes the financial feasibility requirement for the 5-year SCI, which several local governments have had difficulty meeting, and, in a return to the pre-2005 standard, now requires local governments to review their capital

improvements element on an annual basis, allowing modifications to the SCI to be accomplished by ordinance and not as comprehensive plan amendments; and

WHEREAS, the 2011 Act provides instead that SCI projects necessary to ensure that any adopted level-of-service standards are achieved and maintained for the 5-year period must be listed and identified as either funded or unfunded and given a level of priority for funding; and

WHEREAS, the 2011 Act removed the state requirement for local governments to adopt an evaluation and appraisal report every seven (7) years along with the specific requirements regarding the preparation, adoption, submittal, and review of the evaluation and appraisal report; and

WHEREAS, recognizing the progress that local governments had made since the adoption of the 1985 Act, the 2011 Act now provides local governments with greater local control over planning decisions that affect the growth of their communities, by establishing an Evaluation and Appraisal Review ("EAR") process, which now leaves it up to local governments to evaluate, at least once every seven (7) years, their comprehensive plans to determine if amendments are necessary to reflect changes in state requirements and/or in local conditions since the last update of their comprehensive plans; and

WHEREAS, under this new EAR process, local governments must notify the State Land Planning Agency by letter as to their determination, and if changes are deemed necessary, amend their comprehensive plans and transmit the amendments to the reviewing agencies within one (1) year; and

WHEREAS, if a local government fails to submit a letter to the State Land Planning

Agency regarding their need to amend their comprehensive plans or update same as needed, it may not adopt any new comprehensive plan amendments until the necessary amendments to update its comprehensive plans are adopted; and

WHEREAS, the 2011 Act removes the twice-a-year limitation for the adoption of comprehensive plan amendments allowing local governments to determine if and when their comprehensive plans should be amended and streamlines the review of comprehensive plans and amendments into the following three (3) processes:

1. The Expedited State Review Process is codified under s. 163.3184(4), F.S., and is the new name given by the 2011 Act to the Alternative State Review Pilot Program Process of the 1985 Act, which is now applicable statewide. This process is practically used for all comprehensive plan amendments except those that are specifically required to undergo the state coordinated review process. The Expedited State Review Process requires two (2) public hearings and plan amendments are transmitted to reviewing agencies including the State Land Planning Agency that may provide comments on the proposed plan amendment. The reviewing agencies are kept the same as under the 1985 Act. The 2011 Act limits the scope of state agency comments on a proposed comprehensive plan amendment, as said agencies may only comment on specified subjects within their jurisdiction as they relate to important state resources and facilities that will be adversely impacted by an amendment if adopted. The State Land Planning Agency must limit its comments to important state resources and facilities outside the jurisdiction of other commenting state agencies and may include comments on countervailing planning policies and objectives served by the comprehensive plan

amendment that should be balanced against potential adverse impacts to important state resources and facilities. Comments provided by state agencies must state with specificity how the comprehensive plan amendment will adversely impact an important state resource or facility and must list measures the local government may take to eliminate, reduce, or mitigate the adverse impacts.

After receiving reviewing agency comments, the local government is required to hold a second public hearing on whether to adopt the amendment. The second public hearing must be conducted within 180 days after the agency comments are received. If a local government fails to adopt the amendment within 180 days, the amendment is deemed withdrawn. Unless otherwise specified, the 180-day requirement may be extended by agreement as long as notice is provided to the State Land Planning Agency and any affected person that provided comments on the plan amendment. After adopting an amendment, the local government must transmit the plan amendment to the State Land Planning Agency within 10 days of the second public hearing, and the State Land Planning Agency must notify the local government of any deficiencies with the amendment within five (5) working days. Unless timely challenged, an amendment adopted under the expedited review process does not become effective until 31 days after the State Land Planning Agency notifies the local government that the plan amendment package is complete. Within 30 days of the adoption of an amendment, any affected person may file a challenge with the DOAH.

2. The *State Coordinated Review Process* is codified under s. 163.3184(4), F.S., and is designed for new comprehensive plans and amendments that require a more

comprehensive review, namely new plans for newly incorporated municipalities adopted pursuant to s. 163.3167, F.S., and amendments that:

- Are in an area of critical state concern designated pursuant to s.380.05, F.S.;
- Propose a rural land stewardship area pursuant to s. 163.3248, F.S.;
- Propose a sector plan pursuant to s. 163.3245, F.S.; and
- Update a comprehensive plan based on an evaluation and appraisal pursuant to s. 163.3191, F.S.

The State Coordinated Review Process requires two (2) public hearings and a proposed plan or plan amendment is transmitted to the reviewing agencies within 10 days after the initial hearing. The scope of reviewing agency comments under this process is the same as under the expedited state review process, but the State Land Planning Agency is able to comment more broadly on whether the comprehensive plan or amendment is in compliance. Under this process, reviewing agency comments are sent to the State Land Planning Agency that may elect to issue an ORC Report to the local government within 60 days after receiving the proposed comprehensive plan or amendment. The State Land Planning Agency's ORC report details whether the proposed comprehensive plan or amendment is in compliance and whether the proposed comprehensive plan or amendment will adversely impact important state resources and facilities. Once a local government receives the ORC report, it has 180 days to hold a second public hearing on whether to adopt the plan or plan amendment. If not held within 180 days, the comprehensive plan or amendment will be deemed withdrawn, unless

the 180-day time requirement is extended by agreement and notice is provided to the State Land Planning Agency and any affected person that submitted comments. After a comprehensive plan or amendment is adopted, the local government must transmit the comprehensive plan or amendment to the State Land Planning Agency within 10 days of the second public hearing, and the State Land Planning Agency must notify the local government of any deficiencies within five (5) working days.

The State Land Planning Agency has 45 days to determine if the comprehensive plan or amendment is in compliance and if not in compliance, to file a petition with DOAH challenging the comprehensive plan or amendment. The compliance determination is limited to objections raised in the ORC report, unless the comprehensive plan or amendment has substantially changed from the one commented on. The State Land Planning Agency must issue a NOI to find that the plan or plan amendment is in compliance or not in compliance and must post a copy of the NOI on its website. If a NOI is issued to find the comprehensive plan or amendment not in compliance, the NOI is forwarded to DOAH for a compliance hearing.

3. The *Small-Scale Amendment Review Process* is set forth under s. 163.3187, F.S. The 2011 Act keeps the 1985 Act's requirements that small-scale amendments maintain internal consistency between elements of the comprehensive plan and cannot be located in an area of critical state concern with exceptions but removes the density restriction and the ability of the State Land Planning Agency to intervene in challenges filed by an affected person. Small-scale amendments are

still limited to future land use map changes for site-specific small-scale development activity and may not change goals, policies, or objectives of the local comprehensive plan, unless the text changes relate directly to, and are adopted simultaneously with, the small-scale future land use map change.

The 2011 Act continues to require that small-scale amendments undergo only one (1) public hearing and are not subject to the twice a-year limitation on amendments but removes the density restriction thereon. It initially retained the 10-acre limit per individual amendment and the cumulative annual 120-acre limit for small-scale amendments but was relaxed in 2019 to include parcels of land 50 acres or less in urban areas or 100 acres or less in a designated Rural Area of Opportunity (formerly called Rural Area of Critical Economic Concern), and to completely do away with the accumulative annual limit. The State Land Planning Agency neither reviews nor issues a NOI stating whether a small-scale development amendment is in compliance with a local comprehensive plan; and

WHEREAS, recognizing the continuing nature of the statewide, inter-jurisdictional, comprehensive planning process, the Legislature has been, almost every year, making amendments to the 2011 Act to address deficiencies and better promote the orderly and balanced future economic, social, physical, environmental, and fiscal development of the State; and

WHEREAS, these statutory changes to the 2011 Act include various mandates and have direct implication for the City's Comprehensive Plan; and

WHEREAS, these changes include, but are not limited to, the following:

1. The substantial revisions to the Developments of Regional Impact ("DRI") review process by the 2015, 2016 and 2018 Legislatures; and
2. The elimination of the 120-acre annual cap for small-scale amendments by in 2019, and the increase in acreage limit for small-scale development amendment from 10 acres to 50 acres in urban areas, and from 50 acres to 100 acres within a rural area of opportunity in 2021; and
3. The update to s. 163.3177, F.S., in 2021, requiring local governments to now include a property rights element as a required element in their adopted comprehensive plans to ensure that private property rights are considered in local decision-making; and
4. The various amendments made to s. 163.3177, F.S., to: (1) remove the consideration of community goals and vision as a separate component of a local government's analysis; (2) require comprehensive plan elements and amendments to be based on relevant data, which, for the purposes of population estimates and projections, shall now be the greater of the estimates and projections published by the Office of Economic and Demographic Research and the local government; (3) increase the two (2) required planning periods to a 10-year and 20-year period, from 5-year and 10-year; (4) prohibit optional elements of a comprehensive plan from restricting the density or intensity established in the future land use element; (5) require comprehensive plans to encourage the location of schools proximate to urban service areas, to the extent possible; (6) to require local governments to discourage urban sprawl by planning for future growth; and (7) require local governments to consider the feasibility of providing

sanitary sewer services for developments of more than 50 residential lots that have more than one (1) on-site sewage treatment and disposal systems ("OSTDS") per acre within a 10-year planning horizon, and subsequently update their comprehensive plans to include the sanitary sewer planning element; and

5. The 2023 updates to s.163.3191, F.S., to: (1) prohibit local governments that fail to update their comprehensive plans in accordance with the 7-year evaluation and appraisal process from initiating or adopting any publicly initiated plan amendments; (2) require the chair of the governing body of the county and mayor of the municipality to sign an affidavit attesting that all elements of the comprehensive plan comply with statutory requirements as part of the periodic review process; and prescribe certain procedures for the DOC to apply when local governments remain out of compliance with comprehensive planning updates; and

WHEREAS, in addition to these statutory changes that have great implications for the City's Comprehensive Plan since its last update in 2010, many changes have also occurred in the local conditions of the City; and

WHEREAS, per the Bureau of Economic and Business Research ("BEBR") of the University of Florida, the City's population has grown from 122,041 in 2010 to close to 140,000 residents in 2024, which represents an increase of nearly 18,000 new residents or 14.3 percent from the 2010 numbers; and

WHEREAS, during that 15-year period, the City's population growth remains on par with that of Broward County, as indicated by the share-of-growth which essentially remains constant for the period; and

WHEREAS, according to BEBR January 2024 Bulletin, *Projections of Florida County Population by County, 2025-2050, with Estimates for 2023,* Broward County's medium population projections for the 10-year and the 20-year planning horizons are 2.13 million and 2.21 million, respectively; and

WHEREAS, keeping the City's share-of-growth of Broward County's population constant at seven (7) percent, the City's population will be 148,800 and 153,250 residents for the 10-year and the 20-year planning horizons, respectively, which amount to an increase of 10,000 and 15,000 new residents in the two (2) planning horizons; and

WHEREAS, it shall be emphasized that the additional 10,000 residents for the 10-year horizon is consistent with the City's own projection from recent developments (constructed, under construction and/or committed), including, but not limited to, the 2,800-unit, mixed-use development 100-acre, the Park at Miramar, and the 648-unit, 30-acre multifamily rental development, the Miramar Station, the 300-unit, 33-acre multifamily rental development, Catalina at Miramar, and the 393-unit, 3.8-acre mixed use development in the City's Town Center, the Point, formerly known as Manor at Miramar; and

WHEREAS, during the last update of the Comprehensive Plan, only seven (7) percent of the City lands were vacant; and

WHEREAS, the recent growth spurt has depleted most, if not all, of the vacant land inventory reported in the 2010 Data, Inventory and Analysis; and

WHEREAS, the City's current built-out character will physically constrain its ability to accommodate the populations projected for the 10-year and 20-year planning horizons and beyond; and

WHEREAS, in this light, the City must develop and adopt innovative, "Smart Growth," land use policies that are based on market realities and that strategically direct growth along the City's major transit corridors, mainly within the Transit Oriented Corridor ("TOC") and the Miramar Innovation and Technology Activity Center ("MITAC") and around the intersection of University Drive and Miramar Parkway, and support mixed-use development activities, with quality housing for all, integrated with excellent public facilities, recreational opportunities and open space areas, and with a level of site and building design options that conserve energy and promote a healthy, sustainable landscape, support public health and safety; and

WHEREAS, in recent years, the City has, just like the entire South Florida region, if not the nation as a whole, been experiencing a severe affordable housing shortage, which puts at risk both the City's economic competitiveness and quality of life; and

WHEREAS, the 2022 Broward County Affordable Housing Needs Assessment pointed to a shortage of 2,018 affordable homes for the low-income owners, and of 3,417 affordable rental units for the low-, very low, and extremely low-income renters; and

WHEREAS, due in part to the City's "built-out" character, resulting in higher land costs, the traditional ability of the private market to supply affordable housing has become challenging; and

WHEREAS, in light of the lack of vacant tracts with densities high enough to help ease this affordable housing shortage and also accommodate future population growth, the City must continue to embrace best practices from other local governments, such as the County's Affordable Housing Density Bonus Program, to implement creative, market rooted land use policies to ensure a supply of affordable housing to meet the current and

future needs of the City's residents and economy, as demonstrated in previous public private partnership initiatives such as in the development of the 110-unit, senior affordable rental apartment or the 64-unit, owner-occupier, townhouse project, and in the creation of the Affordable Housing Trust Fund; and

WHEREAS, climate change may well be our generation's and, if not, this century's greatest existential threat, as its wide-ranging devastating impacts tend to exacerbate inequalities associated with income, gender, ethnicity, disability, housing, and more; and

WHEREAS, the City recognizes that, as an integral part of Southeast Florida,which is one of the most vulnerable regions in the United States to the impacts of climate change, it is not immune to the threats of climate change, and must therefore partner with other local leaders to foster a culture of resilience and preparedness and help protect its residents and its economy from the unprecedented challenges associated with climate change; and

WHEREAS, the City further acknowledges that, before today's "once in a century" storm surges become "once in a decade" storms, it must start searching for ways to optimize the remaining economic life of its existing infrastructures and take advantage of the available resources from partners such as ICLEI and the Southeast Regional Climate Change Compact; and

WHEREAS, climate-related challenges, from rising seas and flooding to higher temperatures and poor air, underscore the need for a regional approach to climate action planning to help deliver a climate-safe future for the residents and to ensure that the economy of the region does not lock in a high-carbon future or aren't future-proofed against the likely changes in climate; and

WHEREAS, indeed, the solutions required to address these impacts involve scaled, system-level solutions involving transportation, energy, water, economic, social and natural systems, extend therefore well beyond the jurisdictional boundaries of any one governing body or organization and will benefit from the involvement of the federal and state governments, due their ability to wield greater levels of authority and access more significant funding; and

WHEREAS, the required collaborative regional approach notwithstanding, the City must nonetheless play an ever-increasing role in taking the transformational action that is needed across sectors to safeguard livelihoods and welfare in their communities are on the frontlines of the climate crisis; and

WHEREAS, the City's predominant development pattern has historically been a suburban model with a focus on auto-oriented, low-density, and separated land uses; and

WHEREAS, the City's built-out character physically and fiscally constrains the ability to increase roadway capacity through the construction of additional travel lanes for automobiles; and

WHEREAS, in order to accommodate the projected populations for the 10-year and 20-year planning horizons and also enhance its economic base, the City believes that now is the time to shift the focus from transportation, i.e., the physical movement of goods and people from point A to point B by buses, plains, trains, subway systems, cars, and more, to mobility, which goes beyond basic modes of transportation to take into account ease, efficiency, and accessibility for all individuals, hence the rationale behind the redesignation of the Transportation Element to Mobility Element; and

WHEREAS, embracing equitable access to mobility means considering the limitations of all people including location, age, ability, and socioeconomic status, and then creating accessible transportation to their places of work, family, medical services, and more; and

WHEREAS, research shows that providing accessible and reliable mobility options are not just about enhancing individual lives, but a catalyst for the prosperity and inclusivity of the entire community, fostering a more vibrant and connected way of life for everyone, unlocking economic potential, and keeping people employed; and

WHEREAS, this update the Comprehensive Plan also offers the City the opportunity to update the data that provided the basis for the current GOPs of said Element; and

WHEREAS, the current CIE of the Comprehensive Plan was last updated in 2010 under the requirements of the 1985 Act, which included a financial feasibility requirement, meaning the CIE had to identify sufficient revenues to fund the 5-year SCI; and

WHEREAS, the 2011 Act has since removed that requirement and, as such, the CIE needs to be updated to remove all the outdated related financial tables and ensure compliance with the new requirements of the 2011 Act, as amended; and

WHEREAS, the City supplies water services to approximately 96% of its current population, with Broward County Water and Wastewater Services (“BCWWS”) Area 3BC servicing the remaining residents; and

WHEREAS, potable water is provided by the City’s two (2) water treatment plants, the East Water Treatment Plant (“EWTP”) and the West Water Treatment Plant (“WWTP”), which are interconnected via the transmission/distribution system and,

together, provide adequate infrastructure capacity and water supply allocations to meet water demands over the next 20-year planning window; and

WHEREAS, the City recently adopted a Water Distribution System Master Plan, which: (1) developed scenarios in the model for future demand conditions and evaluate the ability of the system to meet planning criteria while delivering system demands; (2) identify improvements necessary to accommodate future growth with potential to improve system redundancy; and (3) develop a phasing plan showing a logical progression of improvements based on growth and prioritization of existing needs for current, 2025, 2030, and 2045 demand conditions; and

WHEREAS, the Water Distribution System Master Plan specifically develops a Capital Improvement Plan to accommodate future growth and eliminate existing deficiencies by upsizing, looping or twinning existing pipelines thereby improving system redundancy; and

WHEREAS, the City owns and operates a wastewater collection, transmission, treatment and disposal system, the Wastewater Reclamation Facility ("WWRF"), to serve its residents and has therefore responsibility for planning, regulating, designing, constructing, operating and maintaining the system, while ensuring compliance with regulatory programs at various levels (federal, state, county, and local); and

WHEREAS, the City has just developed a Wastewater Master Plan through the planning period 2045, which coincidentally corresponds with the Comprehensive Plan's proposed 20-year planning horizon, to most effectively fulfill its responsibilities, provide a high level of service to its residents, promote quality surface waters, practice water

conservation, accommodate growth and economic development, and protect public health, safety and the environment; and

WHEREAS, the Wastewater Master Plan identifies capital improvements to meet the needs of the City's service area through the planning period planning period 2045; which capital improvements are based upon an analysis of the age and condition of the existing wastewater infrastructure and incorporate the results of an updated transmission system hydraulic model in consideration of the forecasted population growth during the planning period; and

WHEREAS, the Broward County Charter requires that the FLUE of the City's Comprehensive Plan be consistent with the BrowardNext-Broward County Land Use Plan (hereiafter "BrowardNext" or "BCLUP"); and

WHEREAS, the 2017 adoption of the BrowardNext brought about various policy changes that have great implication for the municipalities in the County; and

WHEREAS, chief among those various changes are: (1) the collapse of the existing "Commercial," "Industrial," "Employment Center" (High and Low) and "Office Park" non-residential permitted uses related to a single "Commerce" future land use designation in both the text and on the map; (2) the increase of the minimal conversion (up to five (5) acres) of lands designated "Recreation and Open Space" on the BCLUP to permit community or public uses, as long as functional and sufficient open space remains for area residents; (3) the replacement of the flexibility zone boundaries with municipal boundaries; (4) the introduction of a pool of residential units, called "Redevelopment Units, "to be allocated by the Broward County Commission; and (5) the adoption of an "Affordable Housing Density Bonus Program;" and

WHEREAS, the various policy changes introduced by the 2017 BrowardNext warrant that the City amends both its FLUE and its FLUM to collapse the Commercial Recreation, Employment Center, Office Park and Industrial future land use designations under the Commerce (formerly Commercial) future land use designation; and

WHEREAS, the various policy changes introduced by the 2017 BrowardNext further warrant that the City amends both its FLUE and Housing Element to include the affordable housing bonus density provisions, as adopted in the BrowardNext, as a means to promote the production and preservation of affordable housing in the City, especially in light of the built-out character of the City and the resulting lack of vacant parcels suitable for multifamily housing development, and of the fact that the City has depleted its pool of flexibility and/or redevelopment units; and

WHEREAS, as mentioned previously, since the passage of the 2011 Community Planning Act, local governments have more discretion in determining whether they need to update their local comprehensive plan and no longer need to submit evaluation and appraisal reports to DOC for a sufficiency determination; and

WHEREAS, instead, local governments must, every seven (7) years, pursuant to Rule Chapter 73C-49, F.A.C., and s. 163.3191, F.S.: (1) determine whether the need exists to amend the comprehensive plan to reflect changes in state requirements since the last update of the comprehensive plan and update the plan based on changes to local conditions; (2) notify the State Land Planning Agency by letter of this determination; and (3) if amendments to the comprehensive plan are deemed necessary, prepare and transmit the proposed amendments to the State Land Planning Agency within one year

of such determination for review under the State Coordinated Review Process as set forth in s. 163.3184(4), F.S.; and

WHEREAS, the City conducted an EAR of its adopted Comprehensive Plan and identified the above-described changes, which subsequently led to the determination to comprehensively update its land use planning program, and which primarily stem from the enactment of the Community Planning Act and subsequent amendments, from the adoption of the BCLUP and subsequent amendments, and from the City's local conditions, especially as it relates to population growth and the need for redevelopment in the two (2) planning horizons, affordable housing, equitable access to mobility options and climate resiliency, among other issues; and

WHEREAS, in compliance with the June 1, 2024 notification deadline established DOC, the City notified the State of its intent to propose EAR-Based Amendments to its Comprehensive Plan in a correspondence dated May 9, 2024; and

WHEREAS, in a correspondence dated May 21, 2024, DOC acknowledged receipt of the City's intent and set the transmittal deadline for the proposed EAR-Based Amendments to May 9, 2025; and

WHEREAS, to assist with the Comprehensive Plan Update, the City has issued a Request for Quotation (No. 24-BPZ066) and procured the services of Keith Engineering ("Keith"), a professional planning consultant with great expertise in comprehensive planning; and

WHEREAS, Keith and City staff have been working diligently to review work, tasks, expectations and project schedules, establish reporting relations, identify stakeholders,

develop a public involvement plan, discuss specific land use issues/conflicts and opportunities related to the existing GOPs of several Comprehensive Plan Elements; and

WHEREAS, Keith, in coordination with the City, held a kick-off meeting on November 4, 2024, to introduce the project, solicit ideas/concerns, and identify key land use issues to be addressed during the update process; and

WHEREAS, in order to further understand community concerns and aspirations, Keith, in coordination with the City, further organized three (3) neighborhood-level meetings, which were held in the Commission Chambers on January 27, 2025, at the Multi-Service Center on January 28, 2025, and at the Sunset Lakes Community Center on January 29, 2025, respectively; and

WHEREAS, Keith and City Staff have thoroughly combed through the GOPs of the Comprehensive Plan Elements, at the exception of the Property Rights Element, which the City adopted in 2021, in compliance with s. 163.3177(6), F.S., as has been amended by House Bill 59, to identify antiquated content and recommend policy updates, and specifically develop new action-oriented GOPs that incorporate the public input gathered at the three (3) aforementioned community meetings to better address the changes identified in the EAR, and ultimately support the City's long-term vision for climate-safe, equitable, inclusive, prosperous, and sustainable growth; and

WHEREAS, while the changes in state law are significant and impact several elements of the Comprehensive Plan, it shall be noted that the bulk of the contemplated EAR-Based Amendments to the City's Comprehensive Plan truly involves the substantial revisions being made to the Comprehensive Plan's FLUE to effectively address such growth determinants/drivers in the ever-changing City's local conditions as:

1. Population growth and its impact on development and infrastructure;
2. Future land use and land management strategies to guide sustainable development;
3. Production and preservation of affordable housing options;
4. Redevelopment opportunities along the City's major transit corridors, i.e., State Road 7 and University Drive;
5. Development of a multimodal mobility system that meets the needs of users of all ages and ability in the City;
6. Climate Resiliency Planning; and

WHEREAS, Section 163.3184(20(c), F.S., provides that comprehensive plan amendments based on an evaluation and appraisal pursuant to s. 163.3191, F.S, must follow the Coordinated State Review Process pursuant to Section 163.3184(4) F.S.; and

WHEREAS, pursuant to Section 163.3184(4). F.S., local governments must hold an initial public hearing on all proposed comprehensive plan amendments based on an evaluation and appraisal, pursuant to the noticing requirements of s. 163.3184(11), F.S., and subsequently transmit said amendments with all supporting data and analyses to the reviewing agencies listed under Section 163.3184(1)(c), F.S., within ten working days of the initial hearing; and

WHEREAS, Section 163.3184(4), F.S., provides that reviewing agencies may offer comments on such amendments, which they should transmit to the State Land Planning Agency within 30 days from the date after receipt by the State Land Planning Agency of the complete proposed amendments from the local government; and

WHEREAS, Section 163.3184(4), F.S., provides that reviewing agency comments be limited to important state resources and facilities that will be adversely impacted by the amendments if adopted, state with specificity how the amendments will adversely impact important state resources or facilities and identify measures the local government may take to eliminate, reduce, or mitigate the adverse impacts; and

WHEREAS, Section 163.3184(4), F.S., further provides that, if the State Land Planning Agency elects to review the amendments, it shall, within 60 days after receipt of the proposed amendments, issue an ORC Report regarding whether the amendments are in compliance and whether they will adversely impact important state resources and facilities; and

WHEREAS, Section 163.3184(4), F.S., also stipulates that the local government shall, upon receipt of the ORC Report from the State Land Planning Agency, hold its second public hearing to determine whether to adopt the amendments pursuant to the noticing requirements of s. 163.3184(11), F.S., within 180 days after receipt of the ORC Report; and

WHEREAS, Section 163.3184(4), F.S., specifies that amendments adopted by a local government, along with the supporting data and analysis, shall be transmitted within 10 working days after the final adoption hearing to the State Land Planning Agency and any other agency or local government that provided timely comments; and

WHEREAS, failure by the local government to transmit the amendments within 10 working days after the final adoption hearing will result in the amendments being deemed withdrawn; and

WHEREAS, Section 163.3184(4), F.S., specifies that after the State Land Planning

Agency makes a determination of completeness regarding the adopted amendments, the State Land Planning Agency shall have 45 days to determine whether the amendments are in compliance with the Community Planning Act, unless the amendments are substantially changed from the one commented on, during which time period it shall post notice of intent to find that the amendment are in compliance or not in compliance on its Internet website; and

WHEREAS, Section 163.3184(4), F.S., provides that amendments adopted under the State Coordinated Review Process shall go into effect pursuant to the State Land Planning Agency's notice of intent and, if timely challenged, do not become effective until the State Land Planning Agency or the Administration Commission enters a final order determining the adopted amendments to be in compliance; and

WHEREAS, the report from the City's Building, Planning and Zoning Department (the "Department") found the contemplated EAR-Based Amendments to maintain the internal consistency of the Comprehensive Plan, and to satisfy the provisions of ss. 163.3167, 163.3174(4), 163.3184(4) and (11), and 163.3191, F.S. and of s. 303(2)(B) of the City's Land Development Code ("LDC"); and

WHEREAS, the City Manager concurred with the findings from the Department's Report and recommended transmittal of the Amendments to DOC for review under the State Coordinated Review Process established under s. 163.3184(4), F.S.; and

WHEREAS, Section 107 of the City's LDC establishes the Planning and Zoning Board (the "P&Z Board") as the Local Planning Agency ("LPA"), with all the powers and duties related to the preparation of the City's Comprehensive Plan and amendment thereof, as further specified in Section 163.3174(4)(a), F.S.; and

WHEREAS, Section 303.6 of the City's LDC provides that the P&Z Board, sitting as the LPA, shall hold at least one duly noticed public hearing to review any amendment to the City Comprehensive Plan with respect to the review standards of the City's LDC and Section 163.3177, F.S., and, upon a finding that such proposed amendment satisfies said review standards and maintains the internal consistency of the Comprehensive Plan, forward a recommendation to the City Commission; and

WHEREAS, pursuant to Section 163.3174, F.S., and Section 303.6 of the City's LDC, the P&Z Board, sitting as the LPA, held a duly noticed public hearing on March 18, 2025, to review the EAR-Based Amendments, at which hearing the P&Z Board voted to consider the EAR-Based Amendments at its April 8, 2025 public meeting; and

WHEREAS, the P&Z Board, sitting as the LPA, held a duly noticed public hearing on April 8, 2025 and, upon hearing the Department's presentation which summarized and provided the rationale for the EAR-Based Amendments and after due consideration of all matters, found the EAR-Based Amendments to maintain the internal consistency of the City's Comprehensive Plan and to comply with all applicable review criteria of the Community Planning Act and the City's LDC, and unanimously voted to recommend that the City Commission transmitted the EAR-Based Amendments to DOC for review under the State Coordinated Review Process established under s. 163.3184(4), F.S.; and

WHEREAS, on April 28, 2025, the City Commission held a workshop to familiarize itself with the policy changes of the EAR-Based Amendments, ascertain a collective growth vision for the 20-year planning horizon and offer input that could be incorporated in the document in anticipation of the May 7, 2025, transmittal hearing; and

WHEREAS, upon receipt of the P&Z Board's recommendation and pursuant to the notice requirements of s. 163.3184(11), F.S., the City Commission held on May 7, 2025 an initial public hearing on the EAR-Based Amendments and, after due consideration of all matters, authorized the transmittal of the EAR-Based Amendments to DOC and all other reviewing agencies for review under the Coordinated State Review Process set forth in Section 163.3184(4), F.S.; and

WHEREAS, on May 8, 2025, the EAR-Based Amendments were transmitted to DOC and the other reviewing agencies so they may provide comments on important state resources and facilities that will be adversely impacted by the Amendment if adopted; and

WHEREAS, on July 7th, 2025, the State and Planning Agency issued its ORC Report; and

WHEREAS, the EAR-Based Amendments, which had been presented to and approved by the City Commission at the May 7, 2025 transmittal hearing, were then revised to resolve the objections raised in the ORC Report, address the comments therein and incorporated wherever applicable, the recommended policy changes; and

WHEREAS, on November 17th, 2025, and in compliance with the 180-day deadline after receipt of the ORC Report, the City Commission unanimously voted to adopt the EAR-Based Comprehensive Plan Amendments (Comprehensive Plan Amendment No. 26-01ER) and transmit the adopted amendment package to DOC on November 20, 2025; and

WHEREAS, Chapter 2025-190, Section 28, Laws of Florida, enacted by the Florida Legislature and signed into law by Governor Ron DeSantis on June 26, 2025, in response to federal disaster declarations associated with Hurricanes Debby, Helene, and

Milton, restricts local governments from adopting Comprehensive Plan Amendments and land development regulations that are more restrictive or burdensome on development until October 1, 2027; and

WHEREAS, in a correspondence dated January 8, 2026, DOC determined that seven (7) policies within the EAR-Based Comprehensive Plan Amendments adopted at the November 17 2025, meeting were more restrictive or burdensome than existing provisions from the effective 2010 EAR-Based Comprehensive Plan Amendments, as amended over the years to include among other things the Property Rights Element, and therefore conflicted with Chapter 2025-190, Section 28, Laws of Florida; and

WHEREAS, based upon this determination, DOC concluded that Comprehensive Plan Amendment No. 26-01ER was null and void ab initio and legally ineffective; and

WHEREAS, the seven (7) policies identified by DOC as more restrictive or burdensome are listed below and summarized as follows:

1. FLUE Policy 1.6.4, requiring major development proposals in identified activity centers or large-scale residential projects to demonstrate inclusivity for persons with cognitive and sensory processing differences;
2. FLUE Policy 1.8.9, requiring mixed-use projects to incorporate streetscape design and urban enhancements;
3. FLUE Policy 1.14.10, requiring new development adjacent to surface waters to minimize stormwater runoff discharge;
4. FLUE Policy 1.14.17, requiring landscape plans for native vegetation, tree canopy restoration, and removal of exotic species;

5. Mobility Element Policy 1.1.9, requiring provision of transit facilities and coordination with transit agencies;
6. Mobility Element Policy 1.2.8, requiring contributions to a multimodal transportation project fund;
7. Mobility Element Policy 4.1.1, requiring demonstration of roadway level-of-service compliance and traffic studies; and

WHEREAS, on January 28, 2026, City staff met with representatives of DOC to discuss the *Null and Void Ab Initio* correspondence and was advised that, due the expiration of the statutory 180-day adoption deadline following issuance of the ORC Report, the City must initiate a new transmittal cycle, should it still want to adopt the EAR-Based Amendments; and

WHEREAS, the City believes that removing these "burdensome" policies and leaving intact the balance of the now *nullified* EAR-Based Amendments as adopted by the City Commission on November 17, 2025, will take away from their ability to fully implement the shared vision for the orderly growth and development of the City, which was developed at the previously held community, P&Z Board and City Commission meetings; and

WHEREAS, while the City was in the process of preparing, transmitting, and adopting its EAR-Based Comprehensive Plan Amendments, the South Florida Water Management District ("SFWMD") adopted the Lower East Coast Regional Water Supply Plan ("LECRWSP") on September 24, 2024; and

WHEREAS, Section 163.3177(6)(c), F.S., requires each local government within an area served by a regional water supply plan to amend its comprehensive plan to adopt

a water supply facilities work plan for a minimum ten-year planning period, coordinated with the applicable elements of its comprehensive plan, and to update same within eighteen (18) months of adoption of the applicable regional water supply plan; and

WHEREAS, in compliance with the requirements of Section 163.3177(6)(c), F.S., and in response to the adoption of the latest LECRWSP, the City prepared an updated its Ten-Year Water Supply Facilities Work Plan to identify existing and planned traditional and alternative water supply projects, water reuse initiatives, and conservation strategies necessary to meet the potable water needs of existing and future reasonable and beneficial uses within the City; and

WHEREAS, the City's (updated) 2025 Ten-Year Water Supply Facilities Work Plan ensures that the City's Comprehensive Plan is consistent with state law, regional water supply planning, and the long-term potable water needs of the City's residents and future growth; and

WHEREAS, the (updated) 2025 Ten-Year Water Supply Facilities Work Plan specifically updates the Potable Water/Aquifer Recharge Sub-Element and other applicable elements of the Comprehensive Plan to maintain internal consistency with regional and state water supply planning requirements; and

WHEREAS, the (updated) 2025 Ten-Year Water Supply was slated to be adopted via an amendment to the adopted 2025 EAR-Based Amendments, had they been deemed complete by DOC, following the expedited state review process set forth in Section 163.3184(3), F.S.; and

WHEREAS, the City believes that this new transmittal cycle for the revised EAR-Based Amendments provides the City the opportunity to not just remove the *burdensome*

policies identified earlier, but, in full compliance with Section 163.3177(6)(c), F.S., to also incorporate and adopt by reference the (updated) 2025 Ten-Year Water Supply Facilities Work Plan, and thereby update the Comprehensive Plan to address changes in state requirements since the 2010 EAR-Based Amendments (including but not limited to the Live Local Act, Senate Bill 180, and various provisions from the 2011 Community Planning Act, which overhauled the 1985 Growth management Act), in the City's local conditions, in the Broward County land use planning framework, and, also now, in regional water supply planning with the SFWMD; and

WHEREAS, the report from the Department found the proposed EAR-Based Amendments, as revised to remove the *burdensome* policies and incorporate and adopt the updated Ten-Year Water Supply Facilities Work Plan would maintain the internal consistency of the Comprehensive Plan, and to satisfy the provisions of ss. 163.3167, 163.3174(4), 163.3184(4) and (11), and 163.3191, F.S. and of s. 303(2)(B) of the City's LDC; and

WHEREAS, the City Manager concurred with the findings from the Department's report and recommended transmittal of the Amendments to DOC for review under the State Coordinated Review Process established under s. 163.3184(4), F.S.; and

WHEREAS, pursuant to Section 163.3174, F.S., and Section 303.6 of the City's LDC, the P&Z Board, sitting as the LPA, held a duly noticed public hearing on February 10, 2026, to review the revised EAR-Based Amendments; and

WHEREAS, upon hearing the Department's presentation which summarized and provided the rationale for the revised EAR-Based Amendments and after due consideration of all matters, the P&Z Board, sitting as the LPA, found same to maintain

the internal consistency of the City's Comprehensive Plan and to comply with all applicable review criteria of the Community Planning Act and the City's LDC, and unanimously voted to recommend that the City Commission transmitted the revised EAR-Based Amendments to DOC for review under the State Coordinated Review Process established under Section 163.3184(4), F.S.; and

WHEREAS, upon receipt of the P&Z Board's recommendation and upon hearing the Department's presentation which summarized and provided the rationale for the revised EAR-Based Amendments the City Commission held on March 4, 2026, an initial public hearing, pursuant to the notice requirements of s. 163.3184(11), F.S., on the revised EAR-Based Amendments and, after due consideration of all matters, authorized the transmittal of same to the State Land Planning Agency and all other reviewing agencies for review under the Coordinated State Review Process set forth in Section 163.3184(4), F.S.; and

WHEREAS, on March ____, 2026, the City transmitted the proposed revised EAR-Based Amendments to DOC and the other reviewing agencies so they may provide comments on important state resources and facilities that will be adversely impacted by the EAR-Based Amendments if adopted; and

WHEREAS, on _____, 2025, the State Land Planning Agency issued its ORC Report; and

WHEREAS, the EAR-Based Amendments, which were presented to and approved by the City Commission at the March 4, 2026, transmittal hearing, have since been revised to resolve the objections raised in the ORC Report, address the comments therein and incorporated wherever applicable, the recommended policy changes; and

WHEREAS, on _____, 2026, and in compliance with the 180-day deadline after receipt of the ORC Report, the City Commission held a second public hearing to adopt the revised EAR-Based Amendments, as amended to address comments from the ORC, pursuant to the notice requirements of s. 163.3184(11), F.S.; and

WHEREAS, after due consideration of all matters, the City Commission found the revised EAR-Based Amendments to preserve the internal consistency of the Comprehensive Plan and to comply with all applicable review criteria of the Community Planning Act and the City's LDC; and

WHEREAS, the City Commission also found that the proposed revised EAR-Based Amendments would foster and preserve public health, safety, comfort and welfare, and to aid in the harmonious, orderly, and progressive development of the City, and further authorized its transmittal to DEO for a determination of Ordinance completeness, in accordance with state law, unless timely challenged, in which case until the Administrative Commission or DOC issues a final order determining that the revised EAR-Based Amendments are in compliance.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COMMISSION OF THE CITY OF MIRAMAR, FLORIDA AS FOLLOWS:

Section 1: **Recitals; Definitions:**

(a) Recitals. That the foregoing "**WHEREAS**" clauses are ratified and confirmed as being true and correct and are made a specific part of this Ordinance.

(b) Definitions. As used herein, unless the context or City Code of Ordinances requires to the contrary, the following terms will be defined as set forth below:

(1) "City" means the City of Miramar, a Florida Municipal Corporation.

(2) "County" means depending on the context, either (a) the geographical area contained within unincorporated Broward County, Florida, a political subdivision of the State of Florida, or (b) the government of Broward County, acting through the County Commission or its designee.

(3) "State Land Planning Agency" and "DOC" means the Florida Department of Commerce.

(4) "Development" is defined as set forth in Section 163.3164, Florida Statutes.

(5) "F.S." means Florida Statutes.

(6) "FLUE" means the Future Land Use Element of the Comprehensive Plan.

(7) "GOPs" means Goals, Objectives and Policies of the Comprehensive Plan of the City of Miramar.

(8) "LDC" means the Land Development Code of Ordinances of the City of Miramar.

(9) "LEC" means the Lower East Coast, which is one of five planning areas in the South Florida Water Management District, covering 6,500 square miles and covering all of Broward, Miami-Dade and Palm Beach counties, most of Monroe County and parts of Collier and Hendrick counties.

(10) "LECRWSP" means the Lower East Coast Regional Water Supply Plan, developed pursuant to Section 373.709 F.S.

(11) "Legislature" means the State of Florida Legislature.

(12) "SFWMD" means the South Florida Water Management District, the regional governmental agency that manages the water resources in the southern half of the state, covering 16 counties from Orlando to the Florida Keys.

Section 2: **Findings:** The City Commission of the City of Miramar, Florida, hereby finds that the Evaluation and Appraisal Review ("EAR") Based Amendments to the Comprehensive Plan of the City of Miramar, attached hereto and incorporated herein by this reference as Exhibit "A," and the adoption by reference of the 2025 Ten-Year Water Supply Facilities Work Plan, attached hereto as Exhibit "B," to preserve the internal consistency of the City Comprehensive Plan, and to comply with all applicable provisions of the Community Planning Act, Part II of Chapter 163, F.S., and the City of Miramar Land Development Code.

Section 3: **Adoption:** The City Commission of the City of Miramar, Florida, hereby adopts the proposed amendments to the text of the City of Miramar Comprehensive Plan, as attached hereto and incorporated herein by reference as

composite Exhibit "A," specifically amending Goal 1, Objective 1.1, and all affected policies thereunder of the Potable Water/Aquifer Recharge Sub-Element in order to adopt by reference the City's 2025 Ten-Year Water Supply Facilities Work Plan, prepared in response to the September 24, 2024 update of the Lower East Coast Regional Water Supply Plan adopted by the Governing Board of the South Florida Water Management District, and to maintain internal consistency within the Comprehensive Plan. No other provisions of the City of Miramar Comprehensive Plan are amended, added, or deleted by this Ordinance except as expressly set forth in Exhibit "A."

Section 4: **Transmittal:** The City Commission of the City of Miramar, Florida, hereby authorizes the City Manager to transmit the appropriate number of copies of this Ordinance and the City's Comprehensive Plan, as amended herein, to the Florida Department of Commerce, the designated State Land Planning Agency, and to all other applicable reviewing agencies having jurisdiction with regard to the approval of same in accordance with, and pursuant to, the Community Planning Act, as codified in Part II of Chapter 163, F.S., and to keep available copies of the amended City Comprehensive Plan for public review and examination at the Building, Planning, and Zoning Department.

Section 5: **Severability:** If any word, clause, phrase, sentence, paragraph or section of this Ordinance is held to be unconstitutional or invalid by any court of competent jurisdiction, such unconstitutional or invalid part or application shall be considered as eliminated and shall not affect the validity of the remaining portions or applications which shall remain in full force and effect.

Section 6: **Interpretation.** In interpreting the provisions of Exhibit "A" appended to this Ordinance, the following rules and symbols shall apply:

(a) Additions are shown in underlined text and deletions in ~~stricken through~~ text; and

(b) Changes between first and second reading are shown in highlighted text.

Section 7: **Scrivener's Errors:** The City Attorney is hereby authorized to correct scrivener's errors in this Ordinance by filing a corrected copy with the City Clerk.

Section 8: **Effective Date:** The effective date of Section 3 of this Ordinance shall be 31 days after the Department of Commerce, the State Land Planning Agency, notifies the City that the adopted amendment is complete, unless timely challenged by an affected person, in which case, until such time the State Land Planning Agency or the Administration Commission enters a final order determining the adopted amendments to be "In Compliance." Sections 1, 2, 4, 5, 6, 7, and 8 of this Ordinance shall become effective upon adoption.

Temp. Ord. No. 1862
2/2/26
2/25/26

PASSED FIRST READING: _____

PASSED AND ADOPTED ON SECOND READING: _____

_____
Mayor, Wayne M. Messam

_____
Vice Mayor, Yvette Colbourne

ATTEST:

_____
City Clerk, Denise A. Gibbs

I HEREBY CERTIFY that I have approved
this ORDINANCE as to form:

_____
City Attorney,
Austin Pamies Norris Weeks Powell, PLLC

Requested by Administration	**Voted**
Commissioner Maxwell B. Chambers	_____
Commissioner Avril Cherasard	_____
Vice Mayor Yvette Colbourne	_____
Commissioner Carson Edwards	_____
Mayor Wayne M. Messam	

THE 2045 CITY OF MIRAMAR COMPREHENSIVE PLAN
PART 1: GOALS, OBJECTIVES AND POLICIES

TO GUIDE FUTURE GROWTH AND COMMUNITY IMPROVEMENT

CITY OF MIRAMAR COMMISSION:

WAYNE M. MESSAM, MAYOR
YVETTE COLBOURNE, VICE MAYOR
MAXWELL B. CHAMBERS, COMMISSIONER
AVRIL K. CHERASARD, COMMISSIONER
CARSON EDWARDS, COMMISSIONER

COMPREHENSIVE PLAN

PLANNING AND ZONING BOARD
Matthew Thompson, Chairperson
Marcus L. Dixon, Vice Chairperson
Vivian O Walters, Jr.
James Hepburn
Wayne Lomax
Mary Lou Tighe
Annette Payne
Hobel Florido
Anneline Carter

CITY MANAGER: DR. ROY VIRGIN
DEPUTY CITY MANAGER: KELVIN L. BAKER, SR
ASSISTANT CITY MANAGERS:
SHAUN D. GAYLE
ADAM L. BURDEN, II
STEPHEN JOHNSON

CITY ATTORNEY: AUTIN PAMIES NORRIS WEEKS POWELL, PLLC

The City of Miramar Comprehensive Plan was prepared by:
KEITH
&
City of Miramar
Building, Planning & Zoning Department
Nixon Lebrun, AICP, Director
Tekisha I. Jordan, AICP, Assistant Director
Frensky Magny, AICP, Assistant Director
Sue-ling Rosario, Assistant Director
Giovanni Castiglione, GIS Analyst

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I Future Land Use Element

Goal

Maintain a long-range future land use pattern which promotes the orderly and well-managed growth and development of the community, producing quality neighborhoods, enhancing the city's aesthetic appeal, conserving the natural environment and open space, supporting a vibrant economic tax base, and minimizing risks to the public's health, safety and welfare.

Permitted Uses in Future Land Use Categories

Objective 1

Promote orderly and beneficial growth and development of the community through the adoption, implementation and consistent updating of this Future Land Use Element. Eliminate land uses which are inconsistent with Miramar's character and do not contribute to the quality of life desired by its citizens by 2020.

Policy 1.1 The Miramar Future Land Use Map (FLUM) presented as Exhibit 1 is hereby adopted as an integral component of this Comprehensive Plan and the City will utilize the following land use categories and residential densities to designate land uses and manage future community growth:

Residential
Rural Estate Low 2
Low 3
Low 5
Low Medium 10 or LM(10)
Medium 16 or M(16)
Medium High 25 or MH(25)

Non-Residential
Commercial Industrial Office Park
Employment Center Commercial Recreation Recreation and Open Space Institutional and Public Facilities Utilities
Conservation Expressway
City Areas of Particular Concern Mixed Use
Regional Activity Center

Rural Land Use Category

Policy 1.2 Permit the following uses within the Rural land use category

a. Residential uses at a maximum density of one (1) dwelling unit per 2.5 gross acres. Clustering of units may be permitted only if the parcel is developed under a unified development plan and if the areas from which the density is transferred are permanently dedicated as open space.

b. Agriculture and related uses to include cultivation of crops; groves; horse and cattle ranches; private game preserves; fish breeding areas; tree and plant nurseries.

c. Parks.

d. Police and fire protection facilities, libraries, and civic centers.

e. Special Residential Facility Categories 1 (as defined in Appendix A) subject to the requirements of this land use category for the location of one

(1) dwelling unit.

f. Public utilities including water and wastewater pumping stations, electrical utility substations, and telecommunications transmission facilities.

Estate Land Use Category

Policy 1.2A Permit the following uses within the Estate land use categories:

a. Residential uses at a maximum density that does not exceed the maximum gross residential density allowed for the parcel – Estate: Up to and including one dwelling unit per acre.

b. Parks, and civic or cultural buildings ancillary to the primary outdoor recreational use of the site.

c. Agricultural and related uses to include cultivation of crops; groves; horse and cattle ranches; private game preserves; fish breeding areas; tree and plant nurseries; until the area is converted to urban use.

d. Special residential facilities subject to the density provisions of subsection 1.3 (i), police, ambulance, and fire protection facilities, libraries, hospitals, civic centers and governmental administration offices.

e. Public utilities, including water and wastewater pumping stations, electrical utility substations and telecommunication transmission facilities. No structure shall exceed a maximum building lot coverage of 60% or a height of 80 feet.

f. Offices and retail sales of merchandise provided that:

1. To allow both the public and private sectors to respond to changing conditions and permit the appropriate location of neighborhood commercial uses within or adjacent to established residential neighborhoods, the Broward County Land Use Plan shall permit up to 5% of the area designated residential within flexibility zones in Miramar to be used for neighborhood commercial uses, subject to Policy 13.01.10 and the restrictions identified within the Residential Permitted Uses subsection of the Plan Implementation Requirements section of the Broward County Land Use Plan.

2. No added or contiguous area used for offices and/or retail sales of merchandise or services may exceed ten (10) acres. For the purpose of this provision, contiguous is defined as: attached; located within 500 feet; or separated only by streets and highways, canals and rivers, or easements.

g. Special residential facilities, as defined in Appendix A, shall be permitted at the following density:

1. Special residential facility category (1) development shall count as one (1) dwelling unit each.

Low, Low-Medium, Medium, Medium High Land Use Categories

Policy 1.3 Permit the following uses within the Low 2, Low 3, Low 5, Low Medium 10, Medium 16 and Medium High 25 land use categories:

a. Residential uses at a maximum density that does not exceed the maximum gross residential density allowed for the parcel by its respective land use designation as follows:

- Low 2: Up to and including two dwelling units per acre.
- Low 3: Up to and including three dwelling units per acre.
- Low 5: Up to and including five dwelling units per acre.
- Low- Medium 10: Up to and including ten dwelling units per acre.
- Medium 16: Up to and including sixteen dwelling units per acre.
- Medium- High 25: Up to and including twenty-five dwelling units per acre.
- Notwithstanding the density limitations set forth herein, the maximum density for any area identified on the City of Miramar FLUM and the BCLUP Map (Series) by dashed lines circumscribing its edges shall be the number appearing in the circle inside the dashed line, as may be set forth through amendments to the FLUM and certified by the Broward County Planning Council (BCPC). Dwelling units permitted within any area circumscribed by a dashed line may only be applied within the boundaries

of the circumscribed area and may not be transferred.

- Flexibility units shall not be assigned from areas circumscribed by dashed lines on the City's FLUM or BCLUP Map (Series).
- References to density within the City of Miramar Comprehensive Plan mean gross density. "Gross density" means the number of dwelling units existing or proposed within an area, divided by the gross acreage of the area. "Gross acreage" means the total number of acres in an area, including acreage used or proposed for streets, lakes, waterways, and other proposed land uses permitted in residential areas by the City Comprehensive Plan.

b. Parks, golf courses and other outdoor recreational facilities and recreational, civic or cultural buildings ancillary to the primary outdoor recreational use of the site.

c. Agricultural and related uses to include cultivation of crops; groves; horse and cattle ranches; private game preserves; fish breeding areas; tree and plant nurseries; until the area is converted to urban use.

d. Community facilities, including, but not limited to, schools, day care centers, clinics, nursing homes, rehabilitation centers, special residential facilities subject to the density provisions of subsection 1.3 (i), police, ambulance, and fire protection facilities, libraries, civic centers, governmental administration, and cemeteries.

e. Public utilities, including water and wastewater pumping stations, electrical utility substations and telecommunication transmission facilities.

f. Offices and retail sales of merchandise, subject to the following:

1. No more than a total of five percent (5%) of the area designated for residential use on the BCLUP Map (Series) within the City of Miramar may be used for offices and/or neighborhood retail sales of merchandise or services.
2. No such contiguous area may exceed 10 acres. For the purpose of this provision, "contiguous" is defined as: attached; one border of which is

located within 500 feet; or separated only by streets and highways, canals and rivers, or easements.

3. Regardless of the constraints above, space within residential buildings in areas designated for M(16) and MH(25) may be used for offices and/or retail sales of merchandise or services, as long as no more than fifty percent (50%) of the floor area is used for said purposes.

g. Special residential facilities, as defined in Appendix A, shall be permitted at the following densities:

1. Special residential facility category (1) development shall count as one (1) dwelling unit each.

2. Special residential facility category (2) development shall count as two (2) dwelling units each only within LM(10), M(16) and MH(25).

3. Special Residential Facility Category (3) development shall count as one (1) dwelling unit per every two (2) sleeping rooms regardless of the number of kitchens or baths.

Commercial Land Use Category

Policy 1.4 Permit the following uses within the Commercial land use category:

a. Neighborhood, community, and regional retail sales and service.

b. Commercial uses such as financial institutions; medical facilities; offices; personal services; restaurants; entertainment uses; indoor commercial recreation; small appliance repair; printing; studios and galleries; instructional businesses.

c. Hotels and motels.

d. Residential uses (without the need to amend the FLUM) as long as the flexibility or reserve unit pool units (as established pursuant to Policy 1.3a.) are applied to the parcel in the following manner:

1. The residential floor area does not exceed fifty percent (50%) of the total floor area of the building, and/or

2. The first floor is totally confined to commercial use, and/or

3. For parcels five (5) acres in size or less, free standing multi-family residential uses are permitted; within areas designated on the County Plan as Urban Infill, Urban Redevelopment or Downtown Revitalization Areas or Chapter 163 Redevelopment Areas, free standing multi-family residential uses are permitted on parcels ten (10) acres in size or less, and/or

4. For mixed commercial/residential developments greater than five (5) acres in size (or ten (10) acres within areas designated on the County Plan as Urban Infill, Urban Redevelopment or Downtown Revitalization Areas or Chapter 163 Redevelopment Areas) free standing multi-family residential uses are permitted provided that the gross residential acreage does not exceed five (5) acres (ten (10) acres within areas designated on the County Plan as Urban Infill,

Urban Redevelopment or Downtown Revitalization Areas) or forty percent (40%) of the total gross acreage of the commercially designated parcel, whichever is greater, and that the entire mixed commercial/residential development be governed by specific zoning regulations that establish criteria to ensure proper integration and compatibility of land uses within and surrounding the development, and/or

5. Residential units within the same structure as commercial uses for the owner, manager or caretaker of the commercial uses may be located in areas designated commercial without the application of flexibility units or reserve units.

e. Community facilities, such as day care centers, nursing homes, clinics, rehabilitation centers, police and fire protection facilities, libraries, adult vocational and adult educational institutions civic centers, churches, and governmental administration.

f. Public utilities including water and wastewater pumping stations, electrical utility substations, gas pumping stations and transmission facilities, and telecommunications transmission facilities.

g. Non-residential agricultural uses compatible with urban land use to include, but not be limited to, tree and plant nurseries, urban gardens, urban farms, and farmer's markets.

h. Heavy commercial uses such as major automotive services, automotive sales, the refinishing, repair and/or rebuilding of vehicles or boats, contractor's yards, as may be deemed appropriate for the area involved and compatible with the surrounding uses, and subject to the buffering requirements of the City of Miramar Land Development Code.

i. Light industrial uses in the form of manufacturing, wholesaling, storage, warehouse, research facilities, laboratories and businesses, and medical and dental laboratories, as may be deemed appropriate for the area involved and compatible with the surrounding uses, and subject to the buffering requirements of City of Miramar Land Development Code.

Industrial Land Use Category

Policy 1.5 Permit the following uses within the Industrial land use category:

a. Industrial uses including, but not limited to, manufacturing and processing, warehousing and distribution, research and development.

b. New automobile, sales, ancillary used sales and service wholesale businesses and trade shops.

c. Medical, dental, and research laboratories.

d. Public utilities including water and wastewater pumping stations, wastewater, sludge, and solid waste disposal facilities; solid waste transfer stations; sewer plants and electric utility substations, and telecommunications transmission facilities.

e. Transportation facilities.

f. Non-residential agricultural uses until the area is converted to urban use, to include, but not be limited to, tree and plant nurseries, urban gardens, urban farms, and farmer's markets.

.

g. Essential service facilities limited to police, ambulance, and fire protection facilities.

h. Civic facilities limited to the following: parks, libraries, government administration services and maintenance facilities.

i. Adult educational institutions and adult vocational institutions.

j. Commercial and retail businesses and hotels and motels provided that they do not account for more than 20% of the area designated in a Flexibility Zone as Industrial on the Broward County Land Use Plan.

k. Offices.

l. Residential units within the same structure as industrial uses for the owner, manager or caretaker of the industrial uses may be located in areas designated industrial without the application of flexibility or reserve units.

Office Park Land Use Category

Policy 1.6 Permit the following uses within the Office Park land use category:

a. Buildings for offices for administrative, professional, and business purposes.

b. Banking and other financial institutions.

c. Adult educational, scientific and industrial research laboratories, medical or dental laboratories, adult educational institutions and adult vocational institutions.

d. Retail establishments, including restaurants and personal services, which are accessory to the primary office uses.

e. Hotels, motels or similar lodging facilities.

f. Essential service facilities limited to the following: police, ambulance and fire protection facilities.

g. Clinics, libraries, governmental administration offices.

h. Special residential facility categories 2 and 3 (as defined in Appendix A) subject to the requirements for the allocation of flexibility or reserve units.

i. Public utilities ancillary to office park uses including water and wastewater pumping stations, electrical utility substations and telecommunications transmission facilities.

Employment Center Land Use Category

Policy 1.7 Permit the following uses within the Employment Center Land Use Category:

a. Industrial uses including, but not limited to, light manufacturing, warehouse/distribution, research and development, and assembly.

b. Office uses.

c. Hotels, motels and similar lodging.

d. Restaurants.

e. Residential uses are permitted (without the need to amend the City FLUM) as long as flexibility units (as established pursuant to Policy 1.3a.) are applied to the parcel in the following manner:

1. For parcels five (5) acres in size or less, free standing multi-family residential uses are permitted; within areas designated on the County Plan as Urban Infill, Urban Redevelopment or Downtown Revitalization Areas or Chapter 163 Redevelopment Areas, free standing multi-family residential uses are permitted on parcels ten (10) acres in size or less.

2. For mixed use developments greater than 5 acres in size (or ten (10) acres within areas designated on the County Plan as Urban Infill, Urban Redevelopment or Downtown Revitalization Areas or Chapter 163 Redevelopment Areas), free standing multi-family residential uses are permitted provided that the gross residential acreage does not exceed five (5) acres (ten (10) acres within areas designated on the County Plan as Urban Infill, Urban Redevelopment or Downtown Revitalization Areas) or forty (40%) of the total gross acreage of the employment center designated parcel, whichever is greater, and that the entire mixed use development be governed by specific zoning regulations that establish criteria to ensure proper integration and compatibility of land uses within and surrounding the development.

f. Essential service facilities limited to the following: police, ambulance and fire protection facilities.

g. Clinics, libraries, governmental administration offices.

h. Adult educational institutions and adult vocational institutions.

i. Communication facilities.

j. Transportation facilities and public utilities as accessory uses limited to less than fifty percent (50%) of the site.

k. Recreation and open space uses limited to less than fifty percent (50%) of the site, provided that no structure shall exceed building lot coverage of 10%, or a height of 35 feet.

l. Retail uses as accessory uses within buildings devoted to a permitted principal use limited to less than fifty percent (50%) of the site.

m. Commercial and retail business uses as principal uses provided that they do not account for more than twenty percent (20%) of the area designated within a Flexibility Zone as Employment Center on the Future Broward Land Use Plan Map and as long as the location of these uses does not preclude or adversely affect the future use of surrounding areas for Employment Center use.

~~Commercial Recreation Land Use Category~~

~~Policy 1.8 Permit the following uses within the Commercial Recreation land use category:~~

~~a. Active and passive recreation uses, such as nature centers and trails, picnic areas, playgrounds, athletic fields, and parks.~~

~~b. Accessory facilities, including outdoor and indoor recreation, civic, or cultural facilities, as may be determined by the City of Miramar Land Development Code to be accessory to and supportive of the primary commercial recreation facility (excluding residential uses).~~

~~c. Recreational vehicle sites at a maximum density of ten (10) sites per gross acre if permanent location of recreational vehicles on the site is permitted by the City of Miramar Land Development Code, subject to allocation by the City of Miramar of available flexibility or reserve units.~~

~~d. Outdoor and indoor recreation facilities including, but not limited to, recreation complexes, bowling alleys, golf courses, tennis clubs, sports arenas, dog and horse racing facilities, amusement centers, jai-alai frontons.~~

~~e. Hotels, motels and similar lodging ancillary to the primary commercial recreation use.~~

~~Recreation and Open Space Land Use Category~~

~~Policy 1.9 Permit the following uses within the Recreation and Open Space land use category:~~

~~a. Publicly owned and/or operated active and passive recreation areas.~~

~~b. Golf courses which are intended to remain as permanent open space.~~

~~c. Camping ground and facilities.~~

~~d. Cemeteries.~~

~~e. Boat ramps and docks.~~

~~f. Indoor/outdoor cultural, educational and civic facilities, including, but not limited to: animal exhibits, habitats, amphitheaters, band shells and outdoor classrooms.~~

~~g. Concession facilities, only when accessory to the above primary uses, such as refreshment stands, pro shops, souvenir shops and recreation equipment rental facilities.~~

~~Institutional and Public Facilities Land Use Category~~

~~Policy 1.10 Permit the following uses within the Institutional and Public Facilities land use category:~~

~~a. Municipal, county, state and federal offices;~~

~~b. Schools, colleges and universities;~~

~~c. Religious institutions and ancillary uses;~~

d. Libraries and cultural or civic uses;

e. Hospitals, nursing homes; and

f. Special residential facility categories 2 and 3 (as defined in Appendix B) subject to the requirements of this land use category for the allocation of flexibility or reserve units.

Utilities Land Use Category

Policy 1.11 Permit the following uses within the Utilities land use category:

a. Public utilities including water and wastewater treatment plants and pumping stations; wastewater sludge, and solid waste disposal facilities; gas pumping stations and transmission facilities; power plants and electrical utility substations; telecommunications transmission facilities;

b. Ancillary facilities as may be deemed by the City of Miramar Land Development Code to be supportive to the primary uses described in (a).

c. Non-residential agricultural uses, including, but not limited to, tree and plant nurseries, urban gardens, urban farms, and farmer's markets. and

d. Communication facilities.

Conservation Land Use Category

Policy 1.12 Permit the following uses within the Conservation land use category:

a. Passive outdoor recreational uses such as wildlife sanctuaries and feeding stations, nature centers and trails, outdoor research stations and walkways.

b. Structures used for flood control, drainage, and water treatment and storage.

c. State and Federal Native American Reservations.

d. Similar uses to those listed above which do not impair the natural environment or disturb the natural ecosystem of the area and which are not in conflict with applicable water management and wildlife protection policies of local, State and Federal agencies.

Chapter 380 Regional Activity Center

Policy 1.13 For an area to qualify as a Regional Activity Center ("RAC") within the City of Miramar, it must have been an Areawide Development of Regional Impact ("DRI") pursuant to s. 380.06(10), F.S., or must meet the requirements of Policy 11.14 of the SFRPC Strategic Policy Plan, as amended, and meet the following criteria:

a. The density and intensity of land uses within said RAC shall be determined by the Miramar City Commission and shall be specified within the City of Miramar Comprehensive Plan.

b. The RAC shall be a geographic area described in the City Comprehensive Plan and the BCLUP, and further delineated on the City FLUM and the BCLUP Map (Series), or any other map that is an exhibit thereto.

c. The RAC shall facilitate mixed-use development, encourage mass transit, and non-motorized transportation, reduce the need for automobile travel,

provide incentives for quality development and give definition to the urban form. The RAC designation shall apply to such areas as downtown and redevelopment areas; regional employment centers; an Areawide (DRI); and other large existing or planned concentrations of diverse activities and employment or educational opportunities of regional significance consisting of more than retail trade.

d. The RAC shall be subject to review as an Areawide DRI.

e. The Regional Activity Center land use category shall not be used where other land use categories within the BCLUP provide adequate flexibility for the existing or proposed land uses.

f. The designation of a specific area and boundaries as a Regional Activity Center provides a mechanism to increase the threshold of development size required to undergo state review as a DRI; it does not change the City of Miramar FLUM designation of any land, nor does it change the uses or intensities of development authorized by the FLUE of the City Comprehensive Plan.

The following area has been designated Regional Activity Center within the City of Miramar Comprehensive Plan and the BCLUP:

Miramar Regional Activity Center

General Location: The Miramar Regional Activity Center, also referred to as Miramar Activity Center I in the BCLUP, totals approximately 2,205 acres in area. It is generally bounded: to the West, by Flamingo Road; to the North, by Pembroke Road; to the East, by Palm Avenue; and to the South, by the Florida Turnpike between Palm Avenue and Red Road, and generally by an area South of the Florida Turnpike including an area on the South bounded by the Eastward extension of what would be the Bass Creek Road right-of-way between Red Road and Flamingo Road, excluding the area designated Institution and Public Facilities on the FLUM.

Land use program: The permitted uses, as well as the density and intensity of uses with the Miramar Regional Activity Center shall be as follows:

- Residential Land Uses: 11,060 dwelling units.
- Retail Land Uses: 1,521,400 square feet.
- Office Land Uses: 1,750,000 square feet.
- Industrial Land Uses: 9,542,784 square feet.
- Municipal Facility Land Uses: 200,000 square feet.

BCLUP Activity Center

Policy 1.14 For an area to qualify as an Activity Center, pursuant to the provisions of the BCLUP, the following criteria must be met:

a. The Activity Center shall include substantial housing opportunities and permits at least two (2) non-residential uses.

b. Affordable housing needs of the Activity Center must be addressed within the City Comprehensive local land use plan.

c. The Activity Center shall include park land and/or open space that is open to the public as a functional component.

d. The Activity Center shall promote the development of key intersections or major transit stops to create nodes of development, and provide convenient access to mass transit and/or multi-modal facilities.

e. Pedestrian circulation between non-residential activity nodes and residential to non-residential activity nodes should be based, at a maximum, on a ten (10) minute or half-mile walk.

f. The minimum and maximum FAR (Floor Area Ratio) for non-residential uses must be specified by the Miramar City Commission in the City Comprehensive Plan.

g. The City of Miramar shall enter into an inter-local agreement with Broward County for monitoring development activity; said interlocal agreement to be executed no later than 180 consecutive days after the effective date of adoption.

The following area has been designated Activity Center within the BCLUP.

Miramar Transit Oriented Corridor (TOC)

General Location: The Miramar TOC, also referred to as Miramar Activity Center II on the BCLUP, totals approximately 439.7 acres. It is generally bounded: to the east, by SW 66th Avenue; to the north, by Pembroke Road; to the east, by State Road 7/US 441; and to the south, by County Line Road.

Land use program: The permitted uses, as well as the density and intensity of land uses within the Miramar TOC shall be as follows:

- Residential: 3,406 dwelling units*
- Commercial: 2,500.000 square feet
- Office: 2,000,000 square feet
- Hotels: 250 rooms
- Park: 61.31 acres**

*The maximum allowable number of dwelling units within the Miramar TOC includes:

- A single-family pool of 755 dwelling units, which includes the previously approved 32 mobile homes; and
- A multifamily pool of 2,651 dwelling units

**Park acreage includes:

- Miramar Athletic Park: 5.71 acres
- Snake Warrior's Island Park: 55.0 acres
- Miramar Athletic Park Addition: .6 acre***

*** Miramar Athletic Park Addition was acquired through the Broward County Safe Parks and Land Preservation Bond Program.

Expressway Land Use Category

Policy 1.15 Permit the following uses in the Expressway land use category:

a. Limited access highways.

b. Uses of an impermanent nature such as agriculture, nurseries, grazing, non-required parking, open storage and parks are permitted in proposed

expressways. No principal building may be permitted, nor may any land use which impedes the future construction of an expressway be allowed.

Development Review Requirements

Objective 2
By 2020, complete the full revision of the Land Development Code, which will ensure the protection of natural resources, discourage urban sprawl, promote "Smart Growth" and energy efficient development and land use patterns which account for existing and future electrical power generation and transmission systems in an effort to reduce greenhouse gases, encourage the use of innovative land development techniques, promote community aesthetics, ensure the availability of the infrastructure needed to support development, and comply with the Broward County Land Use Plan.

Policy 2.1 The City shall enforce the Land Development Code provisions for minimum adequate stormwater management including wetland preservation/restoration, open space, including historic and archaeological sites, safe and convenient on- site traffic flow, adequate parking, landscaping and signage and standards and clustering of residential units, by 2020.

Policy 2.2 Continue to maintain and improve the City's Concurrency Management System which will ensure that the necessary facilities and services are available concurrent with the impacts of development, the City of Miramar shall review all
City plats for concurrency, and continue to participate in the County Wide Development Review Committee Plat Review and Approval Process, which will consider development proposed on nearly 100% of Miramar's vacant land.

The City and County Plat Approval Process will require that necessary regional and local facilities and services be available concurrent with the impacts of development, after the adoption of the Land Development Code and Concurrency Management System as of the date specified above, through any of the following situation:

a. The necessary facilities are in place at the time a plat approval is issued, or a plat approval is issued subject to the condition that the necessary facilities will be in place when the impacts of the development occur.

b. The necessary facilities are under construction at the time a plat approval is issued.

c. The necessary facilities are the subject of a binding contract executed for the construction of those necessary facilities at the time a plat approval is issued.

d. The necessary facilities have been included in the Broward County or City of Miramar's annual budget at the time a plat approval is issued although the facilities are not yet the subject of a binding contract for their construction. The City of Miramar shall make a determination that it will not remove the budgetary provision for the necessary facilities from the budget.

e. The City may grant a Development Permit consistent with the Land Use Plan and Land Development Code when the following conditions are met.

1. Transportation, Recreational, Drainage and Flood Protection, Potable Water, Solid Waste, and Sanitary Sewer Public Facilities and Services will be available to meet established Level of Service standards, consistent with Chapter 163.3202 (g) Florida Statutes and the Concurrence Management Policies included with Objective 2 of the Land Use Plan.

2. Local streets and roads will provide safe, adequate access between buildings within the proposed development and the trafficways identified on the Broward County Trafficways Plan prior to occupancy.

3. Fire protection service will be adequate to protect people and property in the proposed development.

4. Police protection service will be adequate to protect people and property in the proposed development.

5. School sites and school buildings will be adequate to serve the proposed development.

6. Development does not include a structure, or alteration thereof, that is subject to the notice requirements of Federal Aviation Regulations (FAR), Part 77, Subpart B, unless the Federal Aviation Administration issues, or has issued within the previous ninety (90) days, a written acknowledgment that said structure or alteration would not constitute a hazard to air navigation and does not require increases to minimum instrument flight altitudes within a terminal area, increases to minimum obstruction clearance altitudes, or any other operational modifications at any existing airport or heliport or any planned or proposed airport as described in FAR Part 77.21(c)(2).

Policy 2.3 For those parcels that do not require platting, the above steps in Policy 2.2 will be considered at the time of Development Permit Review. In such cases the words "Development Permit" will replace "Plat Approval" wherever it appears above.

Policy 2.4 Continue to implement and improve the City's Concurrency Monitoring System as part of the Land Development Code to:

a. Determine whether necessary facilities identified within the City's Capital Improvements Element, including Transportation, Recreational, Drainage and Flood Protection, Potable Water, and Sanitary Sewer Facilities, are being constructed in accordance with the schedules in the Comprehensive Plan.

b. Update annually existing Level of Service, committed capacity as defined in the Land Development Code, and facility needs prior to and in conjunction with the annual update of the Capital Improvements Element.

Policy 2.5 Continue to implement the Land Development Code requirement that all development projects except individual single-family homes, and individual duplexes and triplexes secure formal site plan approval prior to building permit approval.

Policy 2.6 The City shall not initiate the extension of sewer and water service outside of its approved water and wastewater service area in order to limit urban sprawl and promote compact, efficient urban development, and shall continue to enforce the uniform extension policy in Ordinance No. 88-30 (effective July 5, 1988). .

Policy 2.7 An application for a building permit for the construction of a principal building on a parcel of land will not be granted unless a plat including the parcel or parcels of land has been approved by the Broward County Commission and recorded in the official records of Broward County subsequent to June 4, 1953. This section will not apply to an application for a building permit which meets any of the following criteria:

a. Construction of two or fewer residential dwelling units on a lot or parcel which lot or parcel was of record as such in the official records of Broward County as of March 1, 1989; or

b. Construction of any multi-family or non-residential lot or parcel which is less than five acres in size and specifically delineated on a plat recorded on or before June 4, 1953;

c. The building permit may be issued for a parcel of land for which plat approval has been given by the Board of County Commissioners although the plat has not yet been recorded, provided such authorization is granted in an agreement among the developer, the City of Miramar and the County. Such agreement shall at a minimum require compliance with the applicable provisions of plat approval and shall prohibit the issuance of certificate of occupancy until the plat is recorded. The City and county shall be required to make a finding that facilities and services will be available at the adopted level of service standards concurrent with the issuance of the building permit; or

d. A building permit may be issued for an essential governmental facility after preliminary plat review where the City and the Broward County Commission find that immediate construction of the governmental facility is essential to the health, safety, or welfare of the public and where the Board determines that public facilities and services will be available at the adopted level of service standards concurrent with the impact of the development of the governmental facility. Such a finding shall be made in a resolution if Broward County is the governmental seeking to construct the facility and issue the permit; and by agreement with the City of Miramar in other circumstances. A certificate of occupancy shall not be issued until the plat is recorded.

Provided that in addition to meeting the above criteria, the issuance of the building permit shall be subject to all of the following:

e. Compliance with the applicable Land Development Code requirements; and

f. Any land within the lot or parcel which is necessary to comply with the Broward County Trafficways Plan has been conveyed to the public by deed or grant of easement.

Policy 2.8 The BCLUP shall be implemented by adoption and enforcement of appropriate local regulations on the development of lands and waters within the jurisdiction of the City of Miramar. No public or private development may be permitted except in compliance with the BCLUP and/or certified Miramar Land Use Plan.

Policy 2.9 Development within the City shall emphasize re-development and infill, which concentrates the growth and intensifies the land uses consistent with the availability of existing urban services and infrastructure in order to conserve natural and man-made resources.

Policy 2.10 The City will encourage and implement to the maximum extent feasible for those (re)development projects within the City that use compact building design principles which preserve more open space, contain mixed use, support multi- modal transportation options, make public transportation viable, reduce infrastructure costs and take advantage of recycled building materials.

Policy 2.11 The City will encourage and implement to the maximum extent feasible for (re)development projects energy conservation and the reduction of greenhouse gasses by encouraging developers and builders to implement the Florida Green Building Coalition, US Green Building Council Leadership in Energy and Environmental Design (LEED), which generally include

the following:

1. Community/Neighborhood - use of compact building design; energy efficient street lighting; energy efficient automobiles/transit.
2. Lot Choice – priority use of small properties in urban areas; use of "brownfield" lands that can be cleaned; use of lands close to sewer and powerlines, mass transit or green space.
3. Site Choice – re-create or preserve wildlife habitat or shelter, replant or donate vegetation, use cleared material for mulch or landscaping or stabilizing soil, or save or reuse topsoil.
4. Water Efficiency/Conservation – use of very efficient clothes washers, low- flow toilets or waterless urinals; use of reclaimed water; innovative irrigation or drought tolerant plants; use of rain gardens, bio-swales and cisterns.
5. Energy Efficiency/Conservation – use of light-colored exterior walls; buildings shaded on the east and west by trees; properly sized air- conditioners; use of ceiling fans; energy efficient appliances and indoor lighting; efficient well-pumping; use of alternate electrical grids and/or use of wind/solar/natural gas energy.
6. Material – use of building materials with recycled content; ecofriendly insulation; lumber from sustainable sources; or locally produced material.
7. Health – use of detached garage; carbon monoxide alarm; central dehumidification systems; energy efficient bathroom exhaust fans with timer; humidistat whole house filtration.

Policy 2.12 The City will encourage and implement to the maximum extent feasible the use of the "NatureScape Broward" program to create and maintain attractive, low maintenance, low impact landscapes which protect the natural resources.

Policy 2.13 The City shall encourage and implement to the maximum extent feasible energy efficient urban design which is consistent with the Broward County Urban Design Element.

Policy 2.14 By 2022, the City shall identify strategies to encourage walking, biking and use of transit throughout the City.

Policy 2.15 The City shall continue to provide educational materials on energy conservation to its residents through utility bill insertions and the City's webpage.

Compatibility of Future Land Uses

Objective 3
Assure that future land uses are compatible.

Policy 3.1 Buffer low density residential land uses from major transportation arteries and from commercial uses and minimize the impacts of existing incompatible land uses through the adoption of Land Development Regulations which provide for setbacks, landscaping and other design techniques. Concentrate mixed use development on transit corridors that will promote pedestrian activity and support multi-modal transportation options.

Policy 3.2 Locate non-residential land uses so that access to those uses does not generate high traffic volumes on local streets through residential neighborhoods.

Policy 3.3 Locate commercial land uses and regional and community facilities, except for schools, close to major traffic corridors and mass transit routes and limit vehicular access to collector and arterial streets with sufficient capacity to accommodate the additional traffic volume without causing the road to fall below Level of Service "D".

Policy 3.4 Locate Industrial land uses so that they have direct access to and from major arterials.

Policy 3.5 Consider the cumulative and long-term effects of decisions regarding amendments to the both the map (FLUM) and the texts of the FLUE of the City Comprehensive Plan.

Policy 3.6 Prevent the creation of future strip commercial development by concentrating neighborhood and community commercial land use designations in nodes designed to serve the needs of the surrounding neighborhoods.

Policy 3.7 Concentrate regional-scale commercial and industrial development in activity centers with direct access to the regional transportation network.

Policy 3.8 Include in the Land Development Code, regulations which address the potentially adverse impacts of industry, including noise, vibration, air pollution, glare, heat, solid wastes, hazardous wastes, fire and explosion.

Policy 3.9 Include in the Land Development Code regulations to establish differing intensities of commercial development compatible with adjacent and surrounding land uses, and which distinguish between neighborhood, community and regional commercial development.

Policy 3.10 Ensure in the Land Development Regulations that the design of lakes, public and private roads and off-street parking facilities is consistent with the applicable criteria of the South Florida Water Management District, the South Broward Drainage District, and the Broward County Department of Planning and Environmental Protection.

Policy 3.11 Areas surrounding existing and proposed airports/heliports shall be planned to promote compatible land uses; Part 150 Study Technical Reports shall be considered during land use decisions which affect airports/heliports (i.e., Perry Airport); air corridors shall be protected from obstruction.

Policy 3.12 Any arrangement of dwelling units on a parcel of land designated for residential use is compatible with the City of Miramar Land Use Plan as long as the maximum number of dwelling units permitted within the parcel is not exceeded. For example, the City of Miramar Land Use Plan does not regulate whether the developer uses 100 acres of land designated for low (3) residential density to build 300 single-family homes, or whether the same 100 acres are used to build a 300-unit high rise structure, with the balance of the land maintained as permanent open space. The distribution and type of units will be determined by applicable zoning and land development regulations.

CP 02.06.01

Policy 3.13 Prevent visual pollution by limiting and controlling the number and size of signs, and by strict enforcement of signage standards contained in the City's adopted Sign Code.

Coordinate Miramar Future Land Uses with the Availability of Public Elementary and Secondary Education Facilities

Objective 3A

Ensure through the future land use planning process that public elementary and secondary education facilities will be available to meet the current and future needs of Miramar's school population.

Policy 3A.1 The City of Miramar shall determine the consistency of land use plan amendments with their Public School Facilities Elements. The consistency finding shall address whether sufficient capacity is available, or anticipated within the short or long range planning horizon of their Elements, to accommodate the projected student impact of proposed amendments. As provided for within the Amended Interlocal Agreement for Public School Facilities Planning (ILA), the School Board of

~~Broward County shall advise the City regarding the projected student impact of amendments and the availability of capacity at impacted schools.~~

~~Policy 3A.2 The City, based upon studies and recommendations provided by the School Board of Broward County, shall implement school impact fee provisions within the Land Development Code, and review and revise the school impact fees at least every three years, to require new residential development to pay its fair share of the cost of land acquisition and construction for new public elementary and secondary school facilities. No municipal government shall accept a building permit application, nor issue a building permit, for new or additional residential units, unless the applicant presents evidence from Broward County that the impact of the proposed development on public educational sites and facilities has been mitigated by payment of school impact fees, based on the fee schedule and accompanying provisions of the Land Development Code. Alternative methods of mitigation for school impacts may only be approved via a recorded agreement among the property owner(s), Broward County, and/or the Broward County, and the School Board of Broward County.~~

~~Policy 3A.3 Broward County and City shall coordinate with the efforts of the School Board of Broward County to address school overcrowding and meet future school needs consistent with the provisions outlined in the Amended Interlocal Agreement for Public School Facility Planning. Also, at the minimum, the following steps shall be followed to address the net student impacts anticipated from proposed Regional Activity Centers (RAC), Local Activity Centers (LAC), Transit Oriented Corridor (TOC), Transit Oriented Development (TOD) or similar land use plan amendment applications:~~

~~a. Prior to the School District review of a submitted Broward County Land Use Plan (BCLUP) application containing increased residential units, a pre-application meeting(s) arranged by either the local government initiating the application, or the Broward County Planning Council (BCPC), in coordination with the School District should take place. The following shall be invited to participate in such meeting(s); 1) the local government(s) initiating the application, 2) the pertinent adjacent local government(s) and~~
~~3) other pertinent governmental stakeholders. The purpose of the meeting(s) will be to (i) estimate the potential cumulative impact of the application and other application(s) containing increased residential units that may be proposed by the adjacent local government(s) and (ii) explore/reach consensus on the appropriate school capacity solutions that may be jointly provided by the local government, or as result of local government conditions or approval.~~

~~b. Broward County shall consider the comments, analysis and recommendations submitted by the School District.~~

~~c. Consistent with the provisions outlined in the Amended Interlocal Agreement for Public School Facility Planning, City or developer may voluntarily provide mitigation for the student impact anticipated from proposed RAC, LAC, TOC, TOD or similar land use designation applications. At the minimum, the mitigation options available to the City and/or developer to address such student impact shall be the mitigation options that are associated with land use plan amendment applications contained in the Amended Interlocal Agreement for Public School Facility Planning or pertinent School Board Policy.~~

~~Policy 3A.4 The City of Miramar, coordinating with the Broward County School Board, will utilize the following general criteria in land use planning and public hearing applications involving proposed public school sites:~~

~~*Elementary Schools* - Generally serve a neighborhood or a small group of neighborhoods where students have a short distance to walk. Land uses should be predominantly residential with housing~~

types and densities to meet the school's enrollment capacity. Playgrounds can be collocated with elementary schools. In higher density areas, neighborhood parks with elderly facilities, neighborhood recreation centers, and library branches can be included.

Middle Schools - Middle schools have a community orientation, and a limited mix of commercial and residential uses nearby is acceptable. Community parks, athletic fields, community centers, and libraries are appropriate for collocation.

High Schools - High schools should be buffered from residential areas. The campus should be large enough to encourage students to remain onsite and to ensure sufficient parking and traffic controls to avoid disruptive offsite parking and dangerous driving situations on neighborhood roads. Collocated public facilities can include community centers, community or district parks, athletic fields, and libraries.

Policy 3A.5 Miramar shall consider the individual and cumulative impacts of land use plan amendments on existing and planned public elementary and secondary education facilities.

Policy 3A.6 Broward County, the City and the School Board of Broward County shall coordinate through the processes and procedures identified in the ILA accomplish coordination between the adopted local comprehensive plans and the School Board's District Educational Facilities Plan.

Policy 3A.7 Broward County, in coordination with the School Board of Broward County and the Broward County Legislative Delegation, shall seek means of obtaining adequate funding for the construction of public elementary and secondary education facilities needed to serve Broward County's school population.

Policy 3A.8 Broward County, the City and the School Board of Broward County shall explore and evaluate opportunities for collocation and shared use of school facilities and civic and recreation facilities during their capital improvement planning processes and other processes as provided for in the ILA.

Policy 3A.9 Broward County, the School Board of Broward County, and the City will coordinate through the procedures established in the ILA and the Broward County and local land use planning process to ensure that proposed public school facility sites are consistent and compatible with the land use categories and policies of their comprehensive plans and enable a close integration between existing and planned schools and surrounding land uses.

Policy 3A.10 Broward County and the City incorporate provisions into their local land use plans and land development regulations which provide for safe pedestrian and/or bicycle access to public schools.

Coordination of Transportation and Land Use
CO 12.01.00
Objective 4
The City of Miramar, in coordination with the transportation planning efforts of the State of Florida, Broward County, SFRPC, MPO, and adjacent municipalities shall continue to maintain and, where feasible, improve the functional relationship between the transportation system and applicable future land use maps to ensure that transportation modes and services meet the transportation needs of existing and future population densities, housing and employment patterns, and land uses.

CP 12.01.01
Policy 4.1 The City shall be divided into Concurrency Districts. Each District shall be one of the following types:

1. A Transportation Concurrency Management Area (TCMA) shall be a compact geographic area with an existing network of roads where multiple, viable alternative travel paths or modes are available for common trips. An area-wide level of service standard shall be established for this District, for the purpose of issuing development orders and permits, based on how mobility will be accomplished within the Area. The portion of the City situated between I-75 and the Florida Turnpike is located within the South Central Concurrency District TCMA. The portion of the City situated east of the Florida Turnpike is located within the Southeast Concurrency District TCMA.

2. A Standard Concurrency District shall be an area where roadway improvements are anticipated to be the dominant form of transportation enhancement. A roadway level of service standard shall be established for each such District, based on the peak hour standard volumes contained in the Florida Department of Transportation Level of Service Manual for this District lying west of Interstate 75. The portion of the City situated west of I-75 is located within the Standard Southwest Concurrency District. All Standard Concurrency Districts within the City and County shall also be considered Transportation Concurrency Exception Areas (TCEAs).

3. If the Standard Concurrency District/TCEA is converted into a TCMA, then the Comprehensive Plan will be amended to recognize the change to TCMA.

Policy 4.2 Unless exempted under other policies, the concurrency management system shall establish the following roadway level of service (LOS) standards for the purpose of issuing development orders and permits.

Transportation Concurrency Management Areas

1. Within the Transportation Concurrency Management Areas, the transportation LOS standards, for the purpose of issuing development orders and permits, are to achieve and maintain the following by FY 2013:

a. Southeast TCMA District - Maintain headways of 30 minutes or less on 80% of routes. Establish and maintain service at one or more neighborhood transit centers. Increase peak-hour weekday fixed-route transit ridership by 24 percent from FY 2009 to FY 2013.

b. South Central TCMA District - Maintain headways of 30 minutes or less on 80% of routes. Establish and maintain service at two or more neighborhood transit centers. Increase peak-hour weekday fixed-route transit ridership by 22 percent from FY 2009 to FY 2013. Maintain the current number of community bus routes through 2013.

c. Overall – Increase number of bus stop shelters by 25 percent from FY 2009 to FY 2013. Traffic volumes on arterial roadways in each District shall remain less than the maximum service volumes as displayed below. These volumes do not apply to Strategic Intermodal System (SIS) and Transportation Regional Incentive Program-funded roadway facilities and cannot be used in a manner that would result in interference with mainline operations on SIS roadway corridors. The City will coordinate with the County and FDOT during 2009 to revise downward the volumes in this table.

Peak Hour Two Way Maximum Service Volumes	
Two-lane Arterials	2,555
Four-lane Arterials	5,442
Six-lane Arterials	8,190
Eight-lane Arterials	10,605

*The Maximum Service Volumes are calculated from "Generalized Peak Hour Two-Way Volumes for Florida's Urbanized Areas", published by the Florida Department of Transportation, as 75% above the volumes for Class II State Two-Way Arterials, for Level of Service D, for all other Districts.

Standard Concurrency Districts

2. Within the Standard Concurrency Districts, the transportation LOS standards, excluding SIS and Transportation Regional Incentive Program- funded roadway facilities, for the purpose of issuing development orders and permits are the generalized two-way peak-hour LOS D standard volumes depicted below, Level of Service Manual, Florida Department of Transportation (2002).

   a. Southwest District (Standard) – the generalized two-way peak- hour LOS "D" standard volumes depicted on Table I below, Quality/Level of Service Handbook, FDOT (2002).

Table I Generalized Peak Hour Two-Way "LOS D" volumes for Florida's Urbanized Areas						
Lanes	2-lane Undiv.	4-lane Div.	6-lane Div.	8-lane Div.	10 Div.	12 lanes
State 2-way Arterials Uninterrupted Flow	1,720	5,870	8,810	---	---	---
Interrupted Flow Class I (0 to 1.99)	1,560	3,390	5,080	6,440	---	---
Interrupted Flow Class I (2.00 to 4.50)	1,460	3,110	4,680	6,060	---	---
Interrupted Flow Class III	1,200	2,750	4,240	5,580	---	---
Interrupted Flow Class IV	1,310	2,880	4,350	5,690	---	---
Freeways, Group 1	---	6,510	10,050	13,600	17,160	20,710
Freeways, Group 2	---	6,250	9,840	13,420	16,980	20,560
Non-State Roadways Major City/County Rd	1,390	2,950	4,450	---	---	---
Other Signalized Rds.	950	2,070	---	---	---	---
Source: Broward County Transportation Element 2006 Comprehensive Plan						

Strategic Intermodal System

3. The level of service standards for roadways on the SIS, including connectors, and roadway facilities funded in accordance with Section 339.2819 F.S., the Transportation Regional Incentive Program (TRIP), shall be set forth in Rule 14-94, FAC, summarized below. These standards shall apply for the purpose of issuing development orders and permits.

SIS Facility	Roadway	Roadway Segment	LOS Standard*
SIS CORRIDORS	FL Turnpike & Homestead Extension	Miami-Dade County line to Palm Beach County line	D
	Interstate 75	Miami-Dade County line to Pembroke Rd	D
	US 27	Miami-Dade County line to Pembroke Rd	D
* The level of service letter designations are defined in FDOT's 2002 Quality/Level of Service Handbook unless an alternate (as refined through identified mobility strategies) standard is agreed to in writing by FDOT.			

Policy 4.3 The concurrency management system shall provide that a development order or permit may be issued when a roadway exceeds its adopted LOS standard provided one or more of the following mitigation measures apply:

Standard Concurrency District

1. The proposed development does not place any trips on, or create any, overcapacity links within the impact area. The impact area is a circular area, centered on the proposed development site, with a radius determined by the scale of the proposed development.

2. There is an approved action plan to accommodate the traffic impact of the development, and implementation of the plan has been committed to in a written agreement approved by the property owner(s), the appropriate municipality, and the County Commission.

3. The necessary improvements to provide a LOS "D" are under construction at the time a permit is issued.

4. The necessary improvements to provide LOS "D" are the subject of a binding executed contract for the construction of the facilities.

5. The necessary improvements for the LOS "D" have been included in the first two (2) years of the adopted state or county five-year schedule of transportation improvements and the applicable government entity makes a determination that a binding contract for the implementation of said improvements will be executed no later than the final day of the second fiscal year of the original schedule.

6. The necessary improvements for the LOS "D" have been included in the first two (2) years of the adopted municipal five-year schedule of transportation improvements and the municipality has entered into an interlocal agreement with the County, which interlocal agreement will include assurances by the municipality, upon which the County may rely, that at the time a development permit is issued, the necessary facilities and services are the subject of a binding executed contract which provides for the commencement of the actual construction of the required facilities or the provision of services within one year of the issuance of a building permit.

7. The necessary facilities and services for LOS "D" are guaranteed in an enforceable development agreement. An enforceable development agreement may include, but is not limited to, development agreements pursuant to Section 163.3220, Florida Statutes, or an agreement or development order issued pursuant to Chapter 380, Florida Statutes; provided that road improvements required by a Development of Regional Impact (DRI) development order shall not be considered for concurrency determinations for the property outside the DRI boundaries unless conditions 3., 4., 5., or 6. above apply.

8. The proposed development is found to have vested rights with regard to any affected road segment in accordance with the provisions of Chapter 163, Part II, Florida Statutes, or a common law vested rights determination made as to that road segment in accordance with procedures set forth within the land development regulations adopted by the Board of County Commissioners. The proposed development must meet concurrency for any road segment for which a vested rights determination has not been made.

9. An impact of one single family home or duplex will constitute a de minimis impact on all roadways regardless of the level of deficiency on the roadway. Further, no impact will be de minimis if it would exceed the adopted LOS standard of any affected designated hurricane evacuation routes.

10. The proposed development is for property within, and for development in accordance with and as authorized by, an approved Development of Regional Impact (DRI) or a Florida Quality Development (FQD) development order which development order was either issued prior to the adoption of the 1989 Broward County Comprehensive Plan or was issued after being reviewed for, and satisfying, Broward County=s transportation concurrency requirements.

11. The proposed development would promote public transportation, which means development that directly affects the provision of public transit, including transit terminals, transit lines and routes, separate lanes for the exclusive use of public transit services, transit stops (shelters and stations), and office buildings or projects that include fixed-rail or transit terminals as part of the building.

Said finding shall be made by the County Commission at the time of approval of an application for a plat, an amendment to the restrictive note on the plat, or the placement of a restrictive note on the plat, or a new finding of adequacy for a plat.

CP 12.01.10

Policy 4.3 Prior to application for a building permit, the applicant shall obtain a Transportation Concurrency Satisfaction Certificate from Broward County. The City will not accept a building permit application, nor issue a building permit, unless the corresponding Transportation Concurrency Satisfaction Certificate has been presented. The County Commission may adopt land development regulations which exempt from these requirement categories of building permits that clearly do not create additional transportation impacts.

CP 12.01.10

Policy 4.4 Broward County shall issue a Transportation Concurrency Satisfaction Certificate, relative to a building permit application, under any of the following circumstances:

1. If the building permit application is on property within a recorded plat that was approved by the County Commission on or after March 20, 1979; and the building permit application is consistent with the level of development under which the plat is currently approved by the County Commission; and the County

~~Commission's finding of satisfaction of transportation concurrency for the plat has not expired; and the plat is not in violation of an agreement with Broward County with respect to transportation concurrency.~~

2. ~~If the building permit application is on property for which Broward County has made a finding of vested rights with respect to transportation concurrency; and the building permit application is consistent with the level of development under which the plat was approved by the County Commission; and the plat is not in violation of an agreement with Broward County with respect to transportation concurrency.~~

3. ~~If the building permit application is for property within, and for development in accordance with and as authorized by, an approved Development of Regional Impact (DRI) or a Florida Quality Development (FQD) development order which development order was either issued prior to the adoption of the 1989 Broward County Comprehensive Plan or was issued after being reviewed for, and satisfying, Broward County's transportation concurrency requirements.~~

4. ~~If the building permit application is for property within a TCMA district; and the applicant has paid to Broward County a Transit Concurrency Assessment, as described in Policy 1.20, for the development proposed in the building permit application.~~

5. ~~If the building permit application is for property within a TCMA; and the application is for an addition to, replacement of, or renovation to a residential building, and does not increase the number of dwelling units within that building nor change the type of units.~~

6. ~~If the building permit application is for property within the TCMA; and the application is for an addition to, replacement of, or renovation to a non-residential building, and does not increase the number of peak-hour trips generated by the building.~~

7. ~~If the building permit application is for property within a Standard Concurrency District; and the application is for property within a recorded plat that was approved by the County Commission; and a finding of satisfaction of transportation concurrency was made for that plat by the County Commission in accordance with Policy 1.9 and has not expired; and the building permit application is consistent with the level of development under which the plat is currently approved by the County Commission; and the plat is not in violation of an agreement with Broward County with regard to transportation concurrency.~~

8. ~~If the building permit application is for property within a standard concurrency district, and the property is not within a recorded plat that was approved by the County Commission on or after March 20, 1979, and the City is not requiring platting or replatting with regard to this building permit application. Broward County may require written evidence from the City that platting or replatting is not required.~~

9. ~~If the building permit application is for development that promotes public transportation, which means development that directly affects the provision of public transit, including transit terminals, transit lines and routes, separate lanes for the exclusive use of public transit services, transit stops (shelters and stations), and office buildings or projects that include fixed-rail or transit terminals as part of the building.~~

10. Policies 1.8 #5 and 1.8 #6 may be modified, so that if a building permit application with the City is for property within a TCMA, and said property is unplatted or platted prior to March 20, 1979, then the applicant shall be subject to a Transit Concurrency Assessment based on the total peak-hour trips generated by the use proposed in the building permit application, regardless of the prior use permitted or built on the property. This option can only be exercised by a municipality adopting such a provision in its Comprehensive Plan

11. The County Commission may, by ordinance, provide that a Transportation Concurrency Satisfaction Certificate shall be issued, relative to a building permit application, if the proposed development is a project which promotes public transportation and is located within a Regional Activity Center as described in and defined by the Broward County Comprehensive Plan, and is within an area that contains major public and private postsecondary institutions of higher learning. The impact of the proposed development on the SIS, as defined in Section 338.001, F.S., shall be considered in issuing said Certificate.

Policy 4.4 The City of Miramar in coordination with Broward County shall address overcapacity roadways segments and roadway segments approaching capacity through the following actions:

1. Utilize and apply, on an annual basis, the results of the Broward County Traffic Circulation Analysis, including level of service determinations, prior to the development of the Capital Improvement Program and Capital Improvements Element. In so doing, a high priority shall be assigned to appropriate County and City road improvements for road segments operating below, or projected to operate below, the adopted peak-hour LOS “D” standard.

2. For overcapacity City roads with lower priorities in funding than those in major road programs, coordinate with Broward County in exploring funding source options and in securing adequate funding for locally sponsored, efficient road and traffic engineering improvements.

Policy 4.5 The City of Miramar shall implement the adopted two-way peak-hour LOS "D" standards through the following actions:

1. To determine the roadway level of service and the trip volumes generated from a proposed development, a planning analysis (K_{100}) factor shall be used by Broward County at the platting stage to convert average annual daily trip volumes to two-way peak hour trips. The Broward County TRIPS Models shall continue to be used to determine the roadway level of service and trips volumes associated with the development.

2. Annually update the Roadway LOS report to identify the peak hour and the existing peak-hour volumes for each collector roadway or higher.

CP 02.05.00
Objective 4A
The City of Miramar shall continue to participate in cooperative intergovernmental plans and programs that will improve safety by 2012.

Policy 4. A1 Continue to coordinate with Broward County to provide a safe transportation roadway network through implementation of, but not limited to, the following programs, activities, or actions

1. The City shall continue to maintain land development regulations that control the connections and access points of driveways and roads to roadways as prescribed by either the Florida Department of Transportation (FDOT) Highway Access Manual, the City Land Development Code, and the City of Miramar Land Development Process and Procedural Manual, as amended.

2. The City shall continue to maintain land development regulations governing on-site traffic flow, parking, and signage.

3. The City shall work with appropriate entities to improve debris removal from roadways.

Policy 4. A2 As part of the Miramar Neighborhood Development Master Plan process and working closely with FDOT in the programmed widening of State Road 7, develop a program by 2012 for correcting the existing off-street parking deficiency in the eastern portion of the City.

Policy 4. A3 The City will continue to implement the portions of the City's Land Development Regulations, which provide controls to ensure convenient on-site travel and parking.

Policy 4. A4 The City will maintain requirements in the Land Development Regulations, which prohibit back-out parking onto thoroughfares for all new commercial development and redevelopment.

CP 02.05.01
Policy 4. A5 Maintain, and improve as necessary, the adopted City Roadway Access Standards which are part of the City's Land Development Code and consistent with Broward County's Land Development Code, that protect residential development from commercial/industrial traffic; ensure safe and adequate access opportunities; and minimize the negative impact on arterial capacity.

CP 12.01.04
Policy 4. A6 The City will require cumulative transportation impact analysis for all land use plan amendments as part of the review and approval process.

Policy 4. A7 Consistent with the adopted Broward County Transportation Element, coordinate with the County in identifying and evaluating potential land use changes near transit routes in the City which have the potential to significantly increase transit ridership while still maintaining compatibility with the area land use pattern and compliance with the adopted Miramar Comprehensive Plan.

CO 12.02.00
Objective 4B
The City of Miramar shall ensure development does not encroach upon existing rights-of-way and shall ensure future development does not encroach upon future rights-of-way as provided in the Broward County Trafficways Plan.

Policy 4B.1 Continue to protect existing rights-of-way from building encroachment through implementation of the City of Miramar Land Development Code provisions that no obstructions of any type which are deemed unsafe pursuant to City standards shall remain or be permitted in the ultimate right-of- way.

Policy 4B.2 The City of Miramar shall continue to protect future rights-of-way from building encroachment through implementation of, but not limited to, the following programs, activities or actions:

1. Continue to construct the roadway circulation network consistent with the adopted Broward County Trafficways Plan.

2. City and County Land Development Code provisions which require that, at the time of plat and site plan approval, future trafficways delineated on the Broward County Trafficways Plan be conveyed to the public by dedication on the face of the plat, deed or, if acceptable to the City and/or County, by grant of easement which is necessary for the ultimate construction of roadways, intersections, turn lanes, bicycle facilities, sidewalks, bus pullout bays, bus shelters, or roadway drainage facilities.

3. Continue to include funding for acquisition of rights-of-way where dedication of land is not possible.

4. Through the Broward County Planning Council, coordinate the City's Roadway Master Plan with the Broward County Trafficways Plan.

CP 12.02.05
Policy 4B.3 Prohibit building encroachment into the ultimate right-of-way needs depicted on the Broward County Trafficways Plan by new development, redevelopment or any improvements requiring a building permit.
CP 12.02.03
Policy 4B.4 Require dedication of the rights-of-way depicted on the Broward County Trafficways Plan through the plat, site plan and building permit approval process in accordance with the provisions of the Land Development Code and current legal case law on this issue as recommended by the City Attorney.

Policy 4B.5 Assist Broward County and FDOT with the acquisition of right-of way in advance of construction to ensure maintenance of acceptable transportation level-of- service

Policy 4B.6 Assist with the protection and acquisition of right-of-way for planned improvements to State Road 7, Pembroke Road, Bass Creek Road and Miramar Parkway through the development permit approval process and the Miramar Neighborhood Development Master Plan (completed 2001).

Policy 4B.7 Coordinate efforts with Broward County and the City of Pembroke Pines to preserve and extend the Pembroke Road east-west right-of-way corridor across I- 75 to S.W. 196th Avenue.

Availability of Open Space and Recreation

CO 5.02.00, CPs5.02.01, 02, 03, CO 5.04.00, CP 5.04.01
Objective 5
Provide adequate and accessible parks and facilities to meet the recreation needs of all current and future Miramar residents.

Objective 5A
Based on detailed information analyzing the recreational needs of Miramar residents in this element and from other relevant sources, increase developed park and open space acreage in the City by 25 acres by 2015 through aggressive capital programming, contributions and fees from private developers, and effective intergovernmental coordination.

Policy 5A.1 Continually look for opportunities to place park land adjacent to school sites and utilize lease agreements with the Broward County School Board to make maximum use of public school sites for recreational purposes.

~~Policy 5A.2 Maintain a high level of recreational use in the vicinity of the new municipal complex, specifically at the Youth Enrichment Center~~

~~Policy 5A.3 Identify mutually-beneficial opportunities and utilize inter-local agreements with Broward County and local municipalities and private organizations to provide shared park and recreation facilities for use of residents from all jurisdictions. Implement sponsorship and hosting opportunities for local, regional, state, national and international athletic, entertainment and cultural events.~~

~~Policy 5A.4 Maintain, and update as necessary, the City's Parks and Recreation Impact Fee Ordinance and associated land dedication requirements to ensure that the private sector pays its fair share.~~

~~Policy 5A.5 Continue to provide a minimum of four (4) acres of park and open space for each 1,000 residents, concurrent with new demand as measured by the City's Concurrency Management System. In addition, continue to provide a minimum of recreational facilities, as per the Florida Recreation and Parks Association Level of Service standards for recreational facilities.~~

~~Policy 5A.6 For the purpose of meeting the four (4) acres of park land for each 1,000 Level of Service Standard, public open space is defined as in the Broward County Land Use Plan.~~

~~Policy 5A.7 Enforce the criteria contained in the City's Land Development Code consistent with the policies of the Department of State, Division of Historical Resources, for~~

~~the evaluation of historical/archeological sites to determine if they should be preserved as open space, passive parks, or preserved but relocated.~~

~~Policy 5A.8 Include in the Land Development Code regulations, which provide for the protection of existing and designated parks, recreation and open space lands to ensure that such lands are protected from future development.~~

~~Objective 5B~~
~~Continue to coordinate public and private resources to ensure the provision of open space as well as promote the use of our existing regional and community parks.~~

~~Policy 5B.1 Require Developments of Regional Impact (DRIs) to dedicate parcels of a minimum 5-acre size to ensure adequate acreage to accommodate facilities to provide a variety of recreational opportunities.~~

~~Policy 5B.2 Continue to require as a condition of site plan approval, the provision of natural reservations and open space to meet the landscaping and tree conservation requirements of the Land Development Code in order to maximize pervious area as well as passive recreation and aesthetic standards of the City, as codified.~~

~~Policy 5B.3 Aggressively implement the approved 1998 Parks Master Plan, as amended, to guide the timing and location of future park development and redevelopment, as well as maintenance of existing parks throughout Miramar.~~

~~Objective 5C~~
~~Seek all feasible opportunities to enhance current mechanisms ensuring the provision of adequate facilities to meet the recreational needs of Miramar's residents in all age groups, as measured by the standards adopted in the Recreation and Open Space Element and any needs analysis update as a basis for evaluating park dedications and as part of the annual update of the City's Capital Improvements process.~~

Policy 5C.1 Provide recreational facilities in accordance with demand and the adopted recreational level of service standards for land and facilities as measured by actual needs analysis to be conducted in conjunction with parks dedications and as part of the annual update of the Capital Improvements Element.

Policy 5C.2 Update park and recreation facilities for which Levels of Service are adopted, at least every five (5) years through data gathered at community meetings and resident surveys to adequately reflect and meet actual demand. Use these Levels of Service as indicators of need and as the measure for achievement of Objective
1.3 in the Recreation and Open Space Element.

Policy 5C.3 When a Level of Service analysis indicates an existing deficiency of one full unit or more of recreational facility and the need has been verified by actual field survey, the facility will be provided, as land permits, through the Capital Improvements process on a prioritized basis.

Policy 5C.4 Utilize park and recreation impact fees collected in accordance with Miramar City Code Sections 2-225 (as amended), developer contributions and user fees to finance development of recreational facilities serving new growth.

Objective 5D
By the year 2015, provide a sufficient number of parks and dedicated open space located so that all Miramar residences are within one (1) mile of a local, neighborhood, community or regional park.

Policy 5D.1 Provide local parks in accordance with the following accessibility standards:

- *Neighborhood Parks* – 1-mile service radius 5,000 population served.
- *Community Parks* – serve local community; 25,000 population served.
- *Regional Parks* – serve entire city over 100,000 population served and beyond jurisdictional limits.

Policy 5D.2 At the next planned update, revise the City's recreational impact fee system to reflect the one (1) mile accessibility standard and functional neighborhood boundaries, and repeat this evaluation at least every seven (7) years thereafter.

Objective 5E
Provide the residents of Miramar with an aesthetically superior city built on the foundation of a well-planned, expansive, and, interconnected open space system unique in Broward County. Enhance the Citywide system of greenbelts, scenic corridors, and linear open space in place by at least 5 percent by 2012.

Policy 5E.1 Maintain and enhance the Miramar Parkway Scenic Corridor providing for landscape easements and I installation of lush landscape improvements along the corridor that balance aesthetics with function of the existing and future land use.

Policy 5E.2 Implement Land Development Code provisions, which specify open space and landscaping requirements for all new development. Consider the impact of excessive landscaping requirements in targeted redevelopment areas, such as the Transit-Oriented Corridor (TOC), to balance aesthetic, functional, and economic needs.

Policy 5E.3 Maintain and improve existing architectural, site, signage, lighting and landscaping design standards contained in the City's Land Development Code to guide the recommendations of City staff and the decisions of the Planning and Zoning Board, and City Commission.

Objective 5F
Complete a Bikeway Master Plan for Miramar by 2012 to lay the groundwork for the creation of a

convenient, interconnected county-wide bikeway network to link residential areas with parks, schools, commercial and mixed uses.

Policy 5F.1 Working with the land and financial support of private developers in the area, study and, if feasible, construct a bikeway as part of the linear park to be created along Miramar Parkway by 2012.

Policy 5F.2 Study viable alternatives and, if appropriate, implement the selected mechanism by 2012 through the Land Development Code, which will require the dedication of right-of-way for bikeways.

Policy 5F.3 Require multi-family and commercial developments to provide bicycle parking areas in quantities commensurate with the amount of persons residing in the multi-family developments or patronizing the commercial establishments.

Natural, Cultural and Historical Resource Protection
Objective 6
Protect natural, cultural and historical resources.

CP 6.01.01
Policy 6.1 Help the SFWMD protect the Everglades Buffer Strip by maintaining the area in a Conservation future land use designation and by directing growth into the Water and Wastewater Assessment Area.

Policy 6.2 Miramar shall continue to encourage source separation and the recycling of solid waste, in accordance with the Solid Waste Act of 1988, as amended.

Policy 6.3 Landfills and resource recovery facilities shall be planned to minimize impacts on adjacent existing or planned land uses.

Policy 6.4 Minimum road crown elevation standards as implemented by the South Florida Water Management District shall be applied throughout Miramar.

Policy 6.5 Do not permit industrial or heavy commercial uses within the 30-day travel contour surrounding wellfields, as defined and determined by the Broward County Environmental Protection and Growth Management Department.

Policy 6.6 Continue to protect environmentally sensitive land and historical/archaeological resources through the Land Development Code, including regulation creating a "City Area of Particular Concern" District, and enforcing Broward County's "Local Area of Particular Concern" Regulations.

Policy 6.7 When making decisions regarding amendments to and revisions of the Land Use Plan Map consider the topography, soils, natural conditions, historic resources, availability of existing public facilities and the net fiscal impact of the proposed change on the City. Amendments which permit industrial uses shall not be permitted within Wellfield Protection Zones of Influence as identified by the Potable Water Supply Wellfield Protection Ordinance of Broward County.

Policy 6.8 No development order will be issued, except as listed below, by Miramar for development within wetlands, as defined herein, until an Environmental Resource License has been issued by the Broward County Environmental Protection and Growth Management Department. However, the City may issue rezoning, site plan, plat approval or development orders issued pursuant to Chapter 380, Florida Statutes, in areas containing wetlands upon issuance of a conceptual review report by the Broward County Environmental Protection and Growth

Management Department.

Policy 6.9 Miramar shall coordinate its development review and permitting programs with the wetlands permitting and mitigation programs of the appropriate local state and federal jurisdictional agencies.

Policy 6.10 The City shall consider the impacts of land use plan amendments on wetland and native upland resources, and minimize those impacts to the maximum extent practicable.

Policy 6.11 Mitigation required pursuant to development activities within "Eastern Broward County" shall be used to restore, enhance or replace wetlands located within "Eastern Broward County"; mitigation may be allowed in other areas of the City only if it is determined by the County Commission and appropriate permitting agencies that suitable sites for such purposes are not available in "Eastern Broward County". For the purposes of this policy, "Eastern Broward County" is defined as the area east of the Everglades Buffer Strip and the Reserve Water Supply areas as defined in Objective 6.02.00, "Permitted Uses Within the Conservation Areas and Natural Reservations'", Broward County Land Use Plan.

Policy 6.12 The City shall require existing development on septic tanks and private wells to hook up to centralized sewer and water facilities as they become available.

Policy 6.13 The City has established 2.0 MGD of reclaimed water as an integral part of their wastewater management and alternative water management program. The City has established 2.0 MGD of reclaimed water for reuse. In 2012, the City shall expand the reclaimed water and additional 2.0 MG.

Policy 6.14 Enforce the criteria contained in the City's Land Development Code, consistent with the policies of the Department of State, Division of Historical Resources, for the evaluation of historical/archeological sites to determine if they should be preserved as open space, passive parks, or preserved but relocated.

CP 6.01.03
Objective 6A
To protect groundwater aquifer recharge areas and prevent flooding, continue to implement site standards for impervious/pervious area ratios and on-site detention/retention facilities, as part of a Master Local Area Drainage Plan.

Policy 6A.1 Utilize recognized standards consistent with those used by Broward County, regional and local water control agencies, and the other local municipalities in developing standards for Miramar in cooperation with the South Florida Water Management District and as a component of the City Master Local Area Drainage Plan.

CP 6.01.05
Objective 6B
Continue to cooperate and coordinate with the SFWMD in implementing the Lower East Coast Water Supply Plan and the Water Conservation Program, described in Chapter 21, Article II, of Miramar's City Code, to protect the minimal seasonal flows and levels of surface water courses, as established by the SFWMD, as well as the potable water supply.

Policy 6B.1 The City shall continue to require adherence to the principles of xeriscape, as promulgated by the South Florida Water Management District and as contained in Miramar's Land Development Code, on landscape plans for all new development and redevelopment projects.

Policy 6B.2 The City shall continue to implement a public information/education program targeting residential water conservation.

~~Policy 6B.3 The City shall continue to enforce, and update as necessary, Chapter 21 of Miramar's City Code of Ordinances to ensure the City's consistency with the SFWMD Water Conservation Plan.~~

~~Policy 6B.4 The City shall continue to limit hours of irrigation at such times that a water restriction is declared by SFWMD.~~

~~Policy 6B.5 The City shall continue to enforce regulation that potable water system supplies water for only ordinary domestic type uses and does not supply water to any irrigation piping system for all new development.~~

~~Policy 6B.6 The City shall continue to enforce regulation that where reclaimed water is available it shall be used for irrigation purposes.~~

~~Policy 6B.7 The City shall continue to enforce Florida Building Code and City regulation for ultra-low volume plumbing flow restriction on new construction.~~

~~Policy 6B.8 The City shall continue to enforce City regulation on water conservation based rate structure.~~

~~Policy 6B.9 The City shall continue to implement the leak detection and meter replacement programs.~~

~~Policy 6B.10 The City shall continue to enforce Florida Building Code and City regulation requiring installation of rain sensors on new irrigation systems.~~

~~CO 9.05.00~~
~~Objective 6C~~
~~Continue to utilize a variety of guidelines and management mechanisms for controlling soil erosion and sediment on construction sites, protecting native soils, wetlands, vegetative communities and wildlife habitat.~~

~~CP 9.05.05~~
~~Policy 6C.1 In order to continue to protect wetlands, the presence or lack of jurisdictional wetlands and appropriate restrictions must be reviewed by the applicable agency to include the County Department of Planning and Environmental Protection, Florida Department of Environmental Regulation, U.S. Army Corp of Engineers, or the South Florida Water Management District as part of the application for development review.~~

~~CP 6.01.08, 6.02.02~~
~~Policy 6C.2 Continue to implement the Land Development Code, requirements that, as part of all development review environmental assessments, an inventory and protection plan for any identified protected, threatened or endangered species found to be using the site.~~

~~Policy 6C.3 As part of the Land Development Code, create preservation and restoration guidelines and standards for wildlife habitat, natural vegetative communities and historical/archeological sites.~~

~~Policy 6C.4 Continue to actively enforce as part of the Land Development Code, the Tree Preservation Ordinance that protects and promotes the maintenance of native vegetative communities.~~

~~Policy 6C.5 Continue to enforce as part of the Land Development Code, Lot Clearing Regulations which require the removal of exotic vegetation.~~

~~Objective 6D~~
~~Identify, conserve and protect all water conservation and recharge areas, consistent with the requirements of the State Comprehensive Plan and the SFWMD Water Supply Planning Lower East Coast Water Supply Plan.~~

~~Policy 6D.1 The City of Miramar shall support the adopted South Florida Water Management District's East Coast Buffer by discouraging to the maximum extent feasible high density and intensity incompatible land uses within the identified buffer areas and on adjacent lands. Those uses permitted in the reserve water supply area designated conservation are as follows:~~

1. ~~Structures such as dikes, berms, levees, canals, ditches, locks, gates, pumping stations, fire towers, monitoring and telecommunications facilities used for flood control, drainage, water quality preservation/enhancement, environmental protection and restoration, wetlands mitigation, mosquito control, fire control and the storage and conservation of water, notwithstanding ancillary impacts to the immediate area where construction and operational impacts will occur.~~

2. ~~Active outdoor recreation uses such as hunting, fishing, boating, air boating and off road vehicles, pursuant to State and Federal regulations.~~

3. ~~Boat ramps and docks and camping facilities.~~

4. ~~Passive outdoor recreational uses such as wildlife sanctuaries and feeding stations, nature centers and trails, outdoor research stations and walkways.~~

5. ~~State and Federal Indian Reservations, including the Miccosukee leased area.~~

6. ~~Utilities, transportation and communications facilities, specifically excluding hazardous liquid pipelines, which do not impair the natural environment or disturb the natural ecosystem of the area and which are not in conflict with applicable water management and wildlife protection policies of local, state and federal agencies.~~

7. ~~Surface impoundments that store water at depths not to exceed 12 feet.~~

8. ~~Construction and operation of water quality treatment facilities and areas and ancillary facilities. These may range from passive biological treatment to technologically intense forms of treatment including, but not limited to, chemical treatment/filtration facilities. Areas required to provide surge basins to hold water awaiting treatment are also allowed.~~

9. ~~Structures designed to promote the storage of water underground, which may include aquifer storage and recovery systems, pumps designed to promote groundwater recharge, and seepage management features, which may include curtain wall or other types of technology.~~

~~Policy 6D.2 Miramar shall work in close coordination with the South Florida Water Management District and other wetland regulatory and planning agencies to assure that wetland mitigation efforts support and optimize the use of identified East Coast Buffer lands.~~

~~Objective 6E~~
~~Improve the quality of air in Broward County by establishing land development regulations which~~

promote Miramar's compliance with the Southeast Florida State Implementation Plan and the National Ambient Air Quality Standards (NAAQS) contained in the Clean Air Act.

Policy 6E.1 Assess the City's adopted transportation level-of-service standards and land development regulations, and make any feasible modifications which will enhance city and areawide air quality.

Objective 6F
Provide coordination of growth management policies and water resource management. Miramar will coordinate and cooperate with the SFWMD and other local, regional, state and federal agencies in the implementation of effective linkage between growth management and water planning in the City.

Policy 6F.1 The City shall consider the most current update of the SFWMD Lower East Coast Water Supply Plan in the annual updates of the Capital Improvements Plan to be updated annually.

Policy 6F.2 Adopted by reference the City of Miramar 2015 10-Year Water Supply Facilities Work Plan adopted May 20, 2015.

Objective 6G
Provide coordination of growth management policies and water resource management. Miramar will coordinate and cooperate with the SFWMD and other local, regional, state and federal agencies in the implementation of effective linkage between growth management and water resource management in the City.

Policy 6G.1 The City shall consider the most current version of the SFWMD Lower East Coast Water Supply Plan in the annual updates of the Capital Improvements Plan to be updated annually.

Policy 6G.2 The 10-Year Water Supply Facilities Work Plan should meet current and project potable water needs based on the availability and appropriate use of regional water resources and the combined use of alternative water supplies. The Work Plan shall incorporate alternative water supply projects from the SFWMD Lower East Coast Water Supply Plan. The Work Plan shall be consistent with the City's water use permit renewals.

Policy 6G.3 The City will coordinate with Broward County to develop consistent work plans utilizing the principle within the SFWMD Lower East Coast Water Supply Plan.

Policy 6G.4 The City shall coordinate with the SFWMD to ensure consistency between the City's and the District's planning efforts.

Policy 6G.5 The City shall support efforts to integrate land use and water resource planning to ensure the availability of water for regional water management purposes with the City.

Public Facilities and Phased Growth
Objective 7
Assure availability of public facilities and services.

CP 8.01.11
Policy 7.1 Continue to require source separation and the recycling of solid waste in accordance with the Solid Waste Act of 1988, and to educate city residents and businesses as to the benefits of recycling in order to increase program participation and effectiveness.

CP 8.03.03
Policy 7.2 Capital improvement projects that are necessary to correct existing deficiencies in developed areas in general and compact deferral areas specifically shall receive priority over capital improvement projects proposed for the undeveloped section of the City, with those within the Water

and Wastewater Assessment Area given priority over those west of this area, in the expenditure of funds not allocated by law or contractual agreement to other projects.

CO 9.02.00
Policy 7.3 Protect the quality of Miramar's potable water supply by continuing to enforce regulations in the Land Development Code and required conditions in Water Service Agreements that prohibit regulated substances, as defined by the Broward County Wellfield Protection Ordinance, in present and future wellfield cones of influence.

CP 9.02.05, 9.02.06
Policy 7.4 Permit no new development in areas to which sewer service is not available or scheduled to be available, consistent with the City's Concurrency Management System.

Policy 7.5 If financially feasible, continue to bring developed unsewered neighborhoods onto the City's central sewer collection system.

CO 9.04.00, CO 9.09.00
Objective 7A
Continue to implement the Master Local Area Drainage Plan specifically oriented and limited to resolving small scale, localized drainage problems, by 2012 in Historic Miramar.

CP 9.04.01
Policy 7A.1 Require on-site detention facilities in new development to meet South Florida Water Management District criteria for the C-9 Basin, to protect surface water quality, and that reflect the results of the proposed City Master Local Area Drainage Plan.

CP 9.04.02
Policy 7A.2 Require all new or expanding quarrying, industrial and commercial operations to prepare Stormwater Management Plans, consistent with SFWMD rules and regulations, to prevent contamination of the Biscayne Aquifer as a component of site plan review.

Policy 7A.3 Incorporate the recommendations of the "Water Management Plan for the Western C-9 Basin" (SFWMD, 1976, as amended) into the Master Local Area Drainage Plan.

Policy 7A.4 Ensure that new development is designed in a manner which utilizes best management practices to minimize the impact on the existing stormwater management system and meets the adopted stormwater management level of service.

Policy 7A.5 Maintain all existing stormwater management systems and monitor areas to ensure improvements are made to areas that experience frequent flooding.

Policy 7A.6 Maintain and enhance the existing Stormwater Utility Program to continue the dedicated, user-based annual fee for improving areas that experience frequent flooding.

CP 9.09.02, 9.10.02, CP 8.01.07, 8.01.18
Policy 7A.7 The following stormwater management level of service is adopted.

Road Protection: Residential streets not greater than eighty feet wide rights-of-way to have crown elevations at or above the elevation for the respective area depicted on the ten year "Flood Criteria Map." Right-of- way greater than eighty feet wide to have an outside edge of through lane pavement at or above the elevation for the respective area depicted on the ten year "Flood Criteria Map."

Buildings: To have the lowest floor elevation no lower than one (1) foot above base flood or 18 inches above the highest point of the adjacent road crown elevations, whichever is greater.

~~Off-Site Discharge: Not to exceed the inflow limit of SFWMD primary receiving canal or the local conveyance system, whichever is less.~~

~~Storm Sewers: Design frequency minimum to be three-year rainfall intensity of the Broward County Water Management Division rainfall intensity/duration curves.~~

~~Flood Plain Routing: Calculated flood elevations based on the ten year and one hundred year return frequency rainfall of three-day duration shall not exceed the corresponding elevations of the ten year "Flood Criteria Map" and the "100 Year Flood Elevation Map," as published by Broward County.~~

~~Antecedent Water Level: The higher elevation of either the control elevation or the elevation depicted on the map "average wet season water levels," as published by Broward County.~~

~~On-Site Storage: Minimum capacity above antecedent water level and below flood plain routing elevations to be design rainfall volume minus off site discharge occurring during design rainfall.~~

~~Best Management Practices (BMP): Prior to discharge to surface or ground water, BMP's will be used to reduce pollutant discharge.~~

~~These levels of service shall be used to determine adequacy at the time of plat approval for all properties that are required to plat and for those properties that are not required to plat, at the time of building permit approval.~~

~~Objective 7B~~
~~Coordinate with responsible county, regional and/or state agencies, to help ensure inactive quarries do not pose a threat to public safety or the environment, and that proposed and active quarrying operations are compatible with adjacent land uses and meet all applicable environmental regulations.~~

~~Policy 7B.1 Enforce the provisions of the City Land Development Code and the applicable rules and regulations of responsible state, regional and county agencies which specify the requirements for the closure of resource extraction operations.~~

~~Policy 7B.2 Cooperate with county, state and regional agencies in enforcing the requirements of 16C–37, Florida Administrative Code, regarding reclamation of land previously used for resource extraction.~~

~~Policy 7B.3 No new quarrying activities for commercial purposes will be permitted within and east of the Water and Wastewater Assessment Area.~~

~~Policy 7B.4 Occupancy permits for development adjacent to active quarrying operations will be issued concurrent with the closing of such operations or when such operations are suitably buffered from the occupied development until closure.~~

~~CO 11.01.00~~
~~Objective 7C~~
~~Continue to permit no development unless infrastructure facilities and essential services which meet the adopted Level of Service Standards are available concurrent with the impacts of the development as measured by the adopted Concurrency Management System.~~

~~Policy 7C.1 Prior to the approval of a building permit, the City of Miramar shall determine whether adequate water supplies and wastewater treatment capacity are available to serve the new development. Sanitary sewer and potable water supply facilities shall be in place and available to serve new development no later than the issuance by the City of Miramar of a certificate of occupancy or its functional equivalent.~~

~~CP 13.01.05.~~
~~Objective 7D~~
~~Ensure that the Town Center continues to serve as the focal point of activity for the City.~~

~~Policy 7D.1 Enhance city services available at the Town Center municipal complex.~~

~~Policy 7D.2 Continue to provide appropriate infrastructure, services, landscaping, and other amenities within the Town Center to encourage the location of government, educational, cultural, and recreational facilities within the center.~~

~~Policy 7D.3 Continue to enhance the Multi-Service Complex, the Youth Enrichment Center and the Civic Center site to a public facility role which could include a recreation and "Mini City Hall" service center for the convenience of existing neighborhoods.~~

~~Policy 7D.4 Maintain and enhance the community centers in Town Center, Sunset Lakes and Historical Miramar to provide residents with government, educational, cultural, transit and recreational services.~~

~~Policy 7D.5 Continue to develop and enhance, in cooperation with Broward County Transit, the community shuttle services to effectively serve Miramar's Town Center and western, central, and eastern community centers.~~

~~Development Review Standards~~

~~Objective 8~~
~~Continue to enforce development review standards~~

~~Policy 8.1 Include in the Land Development Code regulations which provide for the protection of existing and designated parks, recreation and open space lands to ensure that such lands are protected from future development.~~

~~Policy 8.2 Miramar shall establish land development regulations that employ Crime Prevention Through Environmental Design (CPTED) principles to reduce the incidence of crime and protect the safety and welfare of all City residents.~~

~~Policy 8.3 The City may grant an application for a development permit consistent with the City's Land Use Plan when it has determined that the following requirements are met:~~

- ~~a. Traffic circulation, recreational, drainage and flood protection, potable water, solid waste and sanitary sewer public facilities and services will be available to meet the established level of service standards, consistent with Chapter 163.3202(g) Florida Statues and the concurrency management policies of Broward County.~~

- ~~b. Local streets and roads will provide safe, adequate access between buildings within the proposed development and the trafficways identified on the Broward County Trafficways Plan prior to occupancy.~~

- ~~c. Fire protection service will be adequate to protect people and property in the proposed development.~~

- ~~d. Police protection service will be adequate to protect people and property in the proposed development.~~

e. School sites and school buildings will be adequate to serve the proposed development.

f. Development does not include a structure, or alteration thereof, that is subject to the notice requirements of Federal Aviation Regulations (FAR), Part 77, Subpart B, unless the Federal Aviation Administration issues, or has issued within the previous ninety days, a written acknowledgment that said structure or alteration would not constitute a hazard to air navigation and does not require increases to minimum instrument flight altitudes within a terminal area, increases to minimum obstruction clearance altitudes, or any other operational modifications at any existing airport or heliport or any planned or proposed airport as described in FAR Part 77.21 (c)(2).

Policy 8.4 Miramar shall establish Land Development Code regulations that employ traffic calming measures to reduce the incidence of speeding and reckless driving within residential and mixed use developments, thus reducing accident rates and providing a safer environment for pedestrians within such developments.

Redevelopment and Urban Infill

Objective 9

Encourage redevelopment and infill development utilizing to the maximum extent feasible "Smart Growth" principles and energy efficient development which also account for existing and future electrical power generation and transmission systems in an effort to discourage urban sprawl and reduce greenhouse gasses.

Objective 9A

Implement an accelerated economic redevelopment and reinvestment program for eastern Miramar, concentrating initially on the State Road 7 Transit Oriented Corridor (TOC) and immediate environs, but eventually encompassing major areas to the west as later phases are addressed. The initial milestone for this effort is to increase the tax base of the redevelopment area by 15% within the first five (5) years.

Policy 9A.1 Continue to implement the Miramar Neighborhood Development Master Plan focusing on viable redevelopment concepts for the commercial core reviewed by the public, the City and successful commercial developers, and the preparation of a specific strategic implementation program for the selected alternative involving coordinated commitments from private developers and public agencies.

Policy 9A.2 As part of the Miramar Neighborhood Development Master Plan implementation program, the City will revise its City's Land Development Code to help facilitate neighborhood stability and economic vitality, through flexibility in mixing of uses, site development criteria, transportation level of service standards, and other limiting factors.

Policy 9A.3 To support the Neighborhood Development Master Plan by providing physical improvements. The City will continue to make annual cost-efficient and prudent infrastructure upgrades in East Miramar (area east of Palm Ave.) addressing problem areas and enhancing neighborhoods and businesses, with projects such as repavement, curb and gutter drainage, sidewalks, landscaping, and commercial facade upgrades.

Policy 9A.4 Coordinate with the programmed FDOT improvement of State Road 7 scheduled for 2010, to continue to make drainage improvements to alleviate the periodic stress to the system which occurs along U.S. 441 and the surrounding neighborhoods.

Policy 9A.5 Encourage the development of vacant residential lots, less than or equal to two

(2) acres in size and which are surrounded by developed parcels, by exempting such lots from the transportation concurrency requirements contained in the Land Development Code utilizing the de minimis impact rule or other means available. While ensuring consistency with the adopted Miramar Comprehensive Plan and Land Development Code, the City will also allow flexibility for the owners of applicable residential infill lots to build a housing product which is compatible with adjacent development and maximizes property values to the extent possible.

Policy 9A.6 Facilitate the development of vacant non-residential lots, less than or equal to two (2) acres in size and which are surrounded by developed parcels, by exempting such lots from the transportation concurrency requirements contained in the Land Development Code utilizing the de minimis impact rule or other means available. While ensuring consistency with the adopted Miramar Comprehensive Plan and Land Development Code, the City will also allow flexibility for the owners of applicable infill lots to build non-residential projects which are compatible with adjacent development and maximize property values to the extent possible.

Policy 9A.7 Development within the City shall emphasize re-development and infill, which concentrates the growth and intensifies the land uses consistent with the availability of existing urban services and infrastructure in order to conserve natural and man-made resources.

Policy 9A.8 The City will encourage and implement to the maximum extent feasible for those (re)development projects within the City use compact building design principles which preserve more open space, contain mixed use, support multi-modal transportation options, make public transportation viable, reduce infrastructure costs and take advantage of recycled building materials.

Objective 9B

The City of Miramar will implement the Urban Infill Area (UIA) program required by the Broward County Land Use Plan in all designated areas of the city located east of the Florida Turnpike by setting local policies, in coordination with Broward County and the cities of Hollywood, Pembroke Park, Pembroke Pines and West Park, which promote economic development, help increase housing opportunities, and maximize the use of existing public facilities and services in the designated UIA. In addition, the City will encourage redevelopment and expansion of employment and housing opportunities for low and moderate income households within all other identified redevelopment areas in Miramar through the establishment of alternate levels of service on the regional roadway network.

Policy 9B.1 The City shall promote economic development and employment opportunities in the designated UIA by expediting reviews of commercial development applications, and providing flexibility, within the parameters of the Miramar Land Development Code, in the application of zoning and subdivision regulations in the redevelopment area and upgrading of existing commercial sites.

Policy 9B.2 The City will encourage the provision of adequate housing opportunities for all segments of present and future residents in the designated Urban Infill Area both in planning discussions with the development community, and review of specific residential projects for new construction and redevelopment.

Policy 9B.3 The City shall support mixed use developments within the designated UIA and the adopted Transit Oriented Corridor and recommend the most feasible option, involving modifications to the Land Development Code, for consideration by the City Commission.

Policy 9B.4 New and redevelopment projects in the designated UIA shall be exempted from the City's transportation facilities concurrency requirements, provided compliance with Chapter 163.3180 (5)(b), Florida Statutes, and the Broward County Land Use Plan is maintained.

Policy 9B.5 To the maximum extent feasible, Miramar shall encourage integrated transportation

systems, mass transit facilities, bikeways and pedestrian corridors to serve the designated Urban Infill Area in order to reduce reliance upon automobile travel.

Policy 9B.6 All identified redevelopment areas must be served by mass transit facilities.

Policy 9B.7 Neighborhoods within designated redevelopment areas shall be preserved and/or stabilized, including provisions for the appropriate interaction of neighborhood and regional traffic through such means as transportation systems management.

Objective 9C
Develop and implement post-disaster redevelopment and hazard mitigation land use controls and development regulations including strong preventive measures, to protect the health, safety and welfare of Broward County's current and future residents. Also, work closely with Broward County to implement the Hazard Mitigation and Post-Disaster Redevelopment Element for the City's Comprehensive Plan.

Policy 9C.1 Monitor local mitigation strategy information and policies developed by the State and Broward County, build an inventory of potentially-hazardous structures under intense storm conditions, and develop an action plan to address the highest priority sites. Consider any land use and other final recommendations made by properly-constituted interagency committees.
Policy 9C.2 Ensure that the role of the fire and emergency medical services system is fully accounted for and enhanced in the development of the Local Mitigation Strategy and any Comprehensive Plan amendments addressing this issue.

Policy 9C.3 Examine FEMA and State guidelines for post-disaster development recommendations, and develop emergency procedures, lines-of-responsibility, disaster relief funding strategies, and key reconstruction policy decisions to help Miramar "weather" future hurricanes with as little unproductive recovery time as possible, while maximizing expedited financial assistance from federal, state and local sources.

Objective 9D
Transit Oriented Corridor

Facilitate mixed use development with access to transit stations or stops along existing and planned high performance transit service corridors (such as bus rapid transit or rapid bus) designated in the Broward County Comprehensive Plan Transportation Element, the Broward County Transit Master Plan and Broward County Metropolitan Planning Organization's (MPO) Long Range Transportation Plan, Broward County Transit Development Plan, or local adopted financially feasible transportation or transit plan, through the establishment of a Transit Oriented Corridor (TOC) land use category within the Miramar Land Use Plan.

State Road 7, which is an existing transit corridor designated for high performance transit service such as bus rapid transit, or rapid bus by the above referenced plans, may be appropriate for this designation. The Transit Oriented Corridor category may also be applicable along other existing and planned high performance transit corridors designated in the Broward County Comprehensive Plan Transportation Element, the Broward County Transit Master Plan and Broward County MPO's Long Range Transportation Plan, Broward County Transit Development Plan, or local adopted financially feasible transportation or transit plan.

Land Use Criteria

Policy 9D.1 The Transit Oriented Corridor designation may only be applied to areas within approximately ¼ mile on either side of the mainline transit corridor. The area may extend beyond ¼ mile around all major intersections, activity nodes and in locations served by existing or funded

~~community shuttle service.~~

~~Policy 9D.2 Residential use is required as a principal component within a Transit Oriented Corridor. Maximum residential density must be specified by the city, may vary along the corridor, and must be described in the permitted uses section of the Broward County Land Use Plan. Residential density is specified as a maximum number of permitted units.~~

~~Policy 9D.3 At least two non-residential uses must be permitted in the designated area as a principal use: e.g. retail, office, restaurants and personal services, hotel, research business, civic and institutional.~~

~~Policy 9D.4 Minimum and Maximum FAR (Floor Area Ratio) for nonresidential uses within a Transit Oriented Corridor must be specified by the local government and described in the permitted uses section of the Broward County Land Use Plan. Nonresidential intensities may vary along the corridor and may be specified as an overall maximum square footage by use [e.g. pool of square footage by permitted use (retail, office etc.) or land use category (commercial)].~~

~~Policy 9D.5 Additional or expanded stand-alone automobile oriented uses such as: large surface parking lots, gas stations/auto repair/car washes; auto dealers; self/equipment storage; "big box"/warehouse; single-family detached dwelling units; carwashes; and drive-through facilities are discouraged and should be prohibited by the City, or limited unless designed in a manner to encourage pedestrian and transit usage.~~

~~Design Guideline Principles~~

~~Policy 9D.6 The City of Miramar Land Use Element policies shall include guiding principles for municipal design guidelines to adequately address the transition to adjacent residential development and to promote connectivity to transit stations and stops.~~

~~Policy 9D.7 Public plazas, urban open space or green space/pocket park uses that are accessible to the public must be provided as an integrated component within a Transit Oriented Corridor.~~

~~Policy 9D.8 The City of Miramar Land Use Element shall include policies that ensure that areas designated as Transit Oriented Corridors include design features that promote and enhance pedestrian mobility, including connectivity to transit stops and stations, based on the following characteristics:~~

~~a. Integrated transit stops with shelter, or station (within the TOC area).~~

~~b. Wide (5 feet shall be the minimum consistent with ADA requirements) pedestrian and bicycle paths that minimize conflicts with motorized traffic and are adequately landscaped, shaded and provide opportunities for shelter from the elements.~~

~~c. Buildings should front the street (zero or minimal setbacks are encouraged).~~

~~d. Vehicle parking strategies that encourage and support transit usage (such as parking that does not front the street, shared parking, parking structures, and/or~~

~~e. reduced parking ratios).~~

~~f. Streets (internal and adjacent to the TOC) should be designed to discourage isolation and provide connectivity (such as streets in the grid pattern).~~

~~Policy 9D.9 The City of Miramar shall require internal pedestrian and transit amenities to serve the residents and employees within the area designated as a Transit Oriented Corridor (such as seating on benches or planter ledges, shade, light fixtures, trash receptacles, information kiosks, bicycle parking) or other amenities that could be incorporated into adjacent publicly accessible areas and plazas (such as clocks, fountains, sculpture, drinking fountains, banners, flags and food and refreshment vendor areas.)~~

~~Policy 9D.10 The intent of the required Design Guideline Principles is to provide guidelines for the City's implementation of the Transit Oriented Corridor land use category. The city shall use some or all of the above design elements, or develop other design strategies, which accomplish the goals of using design elements to enhance pedestrian and transit mobility. County review of applications seeking Transit Oriented Corridor land use category designations will only determine whether the City has adopted, through plan policies, a cohesive set of implementation strategies to accomplish the design strategies sought, and will not seek to require a specific design approach or a fixed set of design approaches as a requirement for County approval of the land use designation sought.~~

~~Review Process Considerations~~

~~Policy 9D.11 The transportation impact analysis for a proposed Transit Oriented Corridor designation shall consider the modal shift provided through the provision of transit and the transit oriented design. In addition, the transportation impact analysis shall consider the effects of internal capture as applicable to transit oriented mixed use projects.~~

~~Policy 9D.12 In consideration of non-residential land uses in areas proposed for designation as a Transit Oriented Corridor the impact analysis for the designation in the Broward County Land Use Plan may be based on the amount of non-residential development which could be permitted as per the intensity standards of the City of Miramar land use element rather than the alternative 10,000 square feet per gross acre utilized for non-residential impact analysis.~~

~~Policy 9D.13 An interlocal agreement between the City of Miramar and Broward County must be executed no later than six months from the effective date of the adoption of a Transit Oriented Corridor which provides that monitoring of development activity and enforcement of permitted land use densities and intensities shall be the responsibility of the City.~~

~~Housing Opportunities~~
~~Objective 10~~
~~Develop programs to provide a complete range of housing opportunities necessary to accommodate all segments of Miramar's present and future population, which shall encourage energy efficient design and construction in the creation of housing, including the use of renewable energy resources.~~

~~Policy 10.1 Miramar shall continue to implement and improve existing programs to provide, encourage, or enable low and moderate income housing to meet the needs of its existing and future residential population and economic activities. The City shall coordinate with other local municipalities and/or governmental agencies which use energy conservation principles.~~

~~Policy 10.2 The City shall take appropriate actions to support affordable housing, including incentives within the land development permitting and fee systems, such as expedited review or fee waivers, for developments which are primarily aimed at providing affordable housing.~~

~~Policy 10.3 The Land Development Code will continue to include provisions to encourage or enable a variety of housing opportunities in varying price ranges, including housing for low and moderate income families in large scale residential developments.~~

~~Policy 10.4 A pool of "Affordable Housing Units" (AFUs) is established for the City equal to 10% of the total available flexibility and reserve units within Miramar. AFU's shall be deducted from the City's reserve and flexibility unit totals.~~

~~Policy 10.5 The City will continue to assess the vacant land use in coordination with the Transportation Element in order to determine if there are adequate sites at densities to accommodate identified affordable housing needs, and provide direction for amendments to the future land use map and future land use categories to ensure that a sufficient supply of potential affordable housing sites is designated.~~

~~Policy 10.6 The City shall promote new housing projects which contain compact building design principles, mixed use, medium to high densities, promote pedestrian activity and support multi-modal transportation options by offering density and intensity bonuses and fast tracking options.~~

~~Policy 10.7 The City shall promote housing projects which use renewable energy resources in construction, reduce public infrastructure costs and reduce impacts on natural resources by offering density and intensity bonuses and fast tracking options.~~

~~Tourism~~
~~Objective 11~~
~~Increase Miramar's attractiveness to tourists through the establishment of a land use pattern and development regulations aimed at enhancing the area's natural and man-made environments.~~

~~Policy 11.1 To ensure the adequate provision of public services and facilities, Miramar shall take into consideration the City's tourist population and the seasonal demands placed upon City and County infrastructure.~~

~~Policy 11.2 Encourage tourism through the use of mixed use developments designed in a downtown fashion that contains entertainment uses. Examples to consider are Mizner Park, Coconut Grove, Downtown Delray Beach, and City Place in West Palm Beach.~~

~~Community Aesthetics~~
~~Objective 12~~
~~Enhance, improve and maintain the aesthetic standards of community appearance throughout the City.~~

~~Policy 12.1 Continue to implement and enforce the Community Design Plan adopted in the Land Development Code for all development and redevelopment.~~

I. Future Land Use Element

GOAL 1 Gradual and Ordered Growth

Consistent with the Community Planning Act and the BrowardNext – Broward County Land Use Plan (BrowardNext or BCLUP), the Comprehensive Plan of the City of Miramar (City) shall promote a development pattern that discourages the proliferation of urban sprawl and creates a balance of uses at a rate commensurable with projected population and economic growth, and through the implementation of smart growth and smart city initiatives to:

1. Protect residential neighborhoods from incompatible land uses;
2. Foster a culture of resilience and preparedness to protect the City's neighborhoods from the worst effects of flooding and climate change;
3. Promote equitable, healthy and quality neighborhoods;
4. Direct or locate growth along the City's major transportation corridors and other targeted areas through context-sensitive redevelopment and infill development;
5. Encourage mixed-use development with a functional mix of uses with appropriate densities and intensities;
6. Adopt adaptive, land use approaches to create neuro-inclusive development.
7. Promote land use patterns that support the deployment of Smart City infrastructure to enhance key urban outcomes.
8. Supply a wide range of housing choices for existing and future residents from all walks of life;
9. Unlock inclusive, sustainable and innovative economic growth;
10. Promote a multimodal transportation system with improved comfort, convenience and resilience for those who live, work and play in the City;
11. Ensure the efficient and cost-effective provision and/or extension of public infrastructure and services and by actively supporting the integration of Smart City technologies;
12. Promote social equity and environmental justice;
13. Increase community health and food access;
14. Encourage the location of schools proximate to residential areas to the extent possible; and
15. Maximize preservation and conservation of environmental assets.

Objective 1.1 Neighborhood Compatibility

Protect residential neighborhoods from incompatible and more intense adjacent uses and the potential adverse impacts from such uses.

Evaluation Measure 1.1 Annual record of development permits issued for non-residential development adjacent to residential neighborhoods.

Policy 1.1.1 Ensure that new development and redevelopment feature densities and intensities that are compatible with adjacent residential land uses.

Policy 1.1.2 All Future Land Use Map (FLUM) amendments and rezonings shall provide for the orderly transition of varying residential land use designations.

Policy 1.1.3 Discourage FLUM amendments, rezonings or other methods that would place residential units into or adjoining industrial land use designations. Developments that occur in accordance with the Live Local Act, as amended from time to time, shall be exempt from this policy and should be designed to minimize incompatibility between land uses.

Policy 1.1.4 Through ongoing updates to the FLUE, consider density and intensity revisions with an emphasis on minimal negative impacts to existing residential areas, particularly single-family areas.

Policy 1.1.5 Protect neighborhoods from unreasonable traffic impacts by utilizing traffic calming measures such as, but not limited to, street closures, signalization, site modifications,

access controls, stop signs, and traffic separators.

Policy 1.1.6 Through ongoing updates to the FLUE and the Land Development Code (LDC), evaluate established residential zoning districts to determine appropriate densities.

Policy 1.1.7 Require residential densities of zoning districts to be consistent with the densities on the FLUM.

Policy 1.1.8 Encourage rezoning of properties subject to development and/or redevelopment proposals to provide for consistency with the FLUM designations.

Policy 1.1.9 Eliminate or reduce nonconforming uses to provide for consistency with the goals, objectives, and policies (GOPs) of the FLUE and/or the provisions of the LDC.

Policy 1.1.10 Through ongoing updates to the FLUE and the LDC, modify land uses and development patterns within antiquated subdivisions.

Policy 1.1.11 Amend the City's Official Zoning Map to change the antiquated Planned Unit Development (PUD) zoning classifications to the closest and most applicable zoning classifications.

Policy 1.1.12 Maintain buffering provisions in the LDC, including setbacks, building height transitions and decorative structural or vegetative buffers between residential land uses with differing densities, and between residential and non-residential land uses.

Policy 1.1.13 Establish design review criteria in the LDC, which address the potential adverse impacts of noise, vibration, air pollution, glare, heat, solid waste, hazardous waste, fire, explosion, excessive odors, traffic, and parking impacts to protect residential areas that are adjacent to industrial and commercial areas.

Policy 1.1.14 Review all proposed development with respect to the potential for related impacts to the regional air quality, negative impacts eliminated or effectively mitigated. (Cross-reference BrowardNext – Broward County Land Use Plan BCLUP Policy 2.25.1)

Policy 1.1.15 Continue to differentiate on the adopted City FLUM and Official Zoning Map, the commercial and industrial land use categories and zoning designations which are consistent with but more specific than the BCLUP's Commerce land use category in terms of intensity, permitted uses and compatibility with adjacent and surrounding land uses.

Objective 1.2 Neighborhood Resilience

Encourage the adoption of innovative land development regulations to promote sustainable development, and of strategies to reduce contributions to climate pollution, strengthen resilience against climate-related hazards, transition to clean energy, and enhance livability and quality of life for all residents, ensuring thereby that that City investments in infrastructure and services do not lock in a high-carbon future or aren't future-proofed against the likely changes in climate.

Evaluation Measure 1.2 Adoption of LDC amendments for increased building flood protection.

Policy 1.2.1 Increase protection of residential areas and neighborhoods through the support of green design guidelines and/or form-based codes for new development and major renovation residential areas, historic neighborhoods, and areas vulnerable to flooding.

Policy 1.2.2 Continue to encourage new development in higher elevated, and areas less vulnerable to flooding.

Policy 1.2.3 Adopt and regularly review floodplain design criteria that exceed, or are more stringent than, the minimum requirements of the National Flood Insurance Program (NFIP), which is managed by the Federal Emergency Management Agency (FEMA) to provide greater neighborhoods and pedestrian experiences. Such design criteria shall include a maximum freeboard requirement without penalty for height to allow flexible adaptability of the ground floor and sea level rise resilience.

Policy 1.2.4 Continue to require all substantial improvement, new development, and redevelopment to be consistent with the minimum finished floor elevations as specified in the NFIP requirements, the South Florida Building Code, and the City's LDC.

Policy 1.2.5 Continue to participate in the NFIP's Community Rating System (CRS) and undertake appropriate creditable activities to increase its rating and enable residents and businesses to receive greater discount on flood insurance policies, and to promote a more sustainable, flood resilient community.

Policy 1.2.6 Within one year of the adoption of these EAR-based Amendments, amend the LDC to provide for sustainable design standards.

Policy 1.2.7 Continue to evaluate and improve the LDC to facilitate sustainable and resilient redevelopment and support adaptation strategies in the build environment that reduce greenhouse gas emissions.

Policy 1.2.8 Promote smart, sustainable, and resilient neighborhoods, implement nature-based solutions (NbS), which include a broad range of actions that harness the power of nature for sustainable development and that support climate resilience, healthy populations, sustainable economies, green jobs and biodiversity conservation.

Policy 1.2.9 Continue to promote and encourage, and shall implement to the maximum extent feasible for the operation of local government and those (re)development projects and lands owned by the city, the utilization of environmentally friendly and energy efficient principles and methods consistent with programs such as the United States Green Building Council Leadership in Energy and Environmental Design (LEED) and Florida Green Building Coalition (FGBC) which may generally include the following:

1. Community/Neighborhood – use of compact building design; energy efficient street lighting; energy efficient automobiles/transit.
2. Lot Choice – priority use of small properties in urban areas; use of "brownfield" lands that can be cleaned; use of lands close to sewer and power lines, mass transit or green space.
3. Site Choice – re-create or preserve wildlife habitat or shelter, replant or donate vegetation, use cleared material for mulch or landscaping or stabilizing soil or save or reuse topsoil.
4. Water Efficiency/Conservation – use of very efficient clothes washers, low-flow toilets, or waterless urinals; use of reclaimed water; innovative irrigation or drought tolerant plants; use of rain gardens, bioswales and cisterns.
5. Energy Efficiency/Conservation – use of light-colored exterior walls; buildings shaded on the east and west by trees; properly sized air-conditioners; use of ceiling fans; energy efficient appliances and indoor lighting; efficient well-pumping; use of alternate electrical grids, and/or use of wind/solar/natural gas energy.
6. Materials – use of building materials with recycled content; ecofriendly insulation; lumber from sustainable sources; or locally produced materials.

Policy 1.2.10 Through the membership with ICLEI-Local Governments for Sustainability, continue to partner with other cities across the globe in meeting the Paris Agreement

overarching goal of achieving carbon neutrality by 2050 or sooner, in line with global efforts to limit warming to 1.5C.

Policy 1.2.11 Continue participating in and collaborating with the Southeast Florida Regional Climate Change Compact (Compact) on climate change impact analyses and development of appropriate mitigation, protection, accommodation, and adaptation strategies.

Policy 1.2.12 Continue to endorse the Southeast Florida Climate Action Pledge to:

1. Jointly advance strategic climate adaptation and mitigation planning, programs, policies, and projects;
2. Support the implementation of the Regional Climate Action Plan (RCAP), as amended, through integrating its recommendations and strategies into existing and future relevant planning, program, Policy, and project development as appropriate; and
3. Utilize and integrate tools and resources developed by the Compact, as appropriate, in climate action planning and implementation, including application of the Regionally Unified Sea Level Rise Projection, participation in the Compact Climate Assessment Tool (C-CAT), and engagement in Compact events, including RCAP Implementation Workshops and attendance at the Annual Climate Leadership Summit.

Policy 1.2.13 Continue to support the efforts of State, regional and County environmental and planning agencies to jointly develop, assess, and recommend a suite of planning tools and adaptation strategies to maximize opportunities to adapt and protect from the impacts of climate change.

Policy 1.2.14 Cooperate with the South Florida Water Management District (SFWMD), Broward County, and the U.S. Corps of Engineers in the comprehensive evaluation of the stormwater management system and operational practices in the context of sea level rise to improve the ability of these systems to adapt.

Policy 1.2.15 Advocate for state laws and programs that expand all opportunities for solar or other renewable energy deployment statewide.

Policy 1.2.16 Identify and assess the vulnerability climate change impacts pose to public facilities and services, including but not limited to water and wastewater facilities, stormwater systems, roads, bridges, governmental buildings, hospitals, and transit infrastructure.

Policy 1.2.17 Continue to support public education and outreach programs, by whatever means appropriate and approved by the City Commission, addressing issues including, but not limited to:

1. Energy efficiency,
2. Water conservation,
3. Solid waste reduction and recycling,
4. Urban forests and native landscaping,
5. Air quality,
6. Greenhouse gas reduction, and
7. Climate change adaptation and response planning.

Objective 1.3 Equitable Neighborhoods

Continue to support environmental justice and social equity as an approach for meeting the needs of underserved and vulnerable Miramar neighbors through policies and programs that reduce disparities while fostering healthy and vibrant neighborhoods.

Policy 1.3.1 In local and regional land use Policy and public infrastructure and services decisions, continue to ensure fair treatment and meaningful participation when considering the impacts to underserved and vulnerable Miramar neighbors, including but not limited to, the economically disadvantaged, racial and ethnic minorities, the uninsured, low-income children, the elderly, the homeless and those with chronic health conditions, including severe mental illness.

Policy 1.3.2 In changes in land use and/or zoning designations, consider environmental justice to avoid, minimize, or mitigate disproportionately high and adverse human health and environmental effects, including interrelated social and economic effects, on underserved and vulnerable populations.

Policy 1.3.3 Consider potential outcomes of redevelopment including the needs of underserved populations and under-resourced markets including housing affordability, displacement, capacity building of impacted populations, preserving cultural assets, and potential for expanding minority business ownership.

Objective 1.4 Healthy Neighborhoods

Promote neighborhoods that enhance community health through access to public amenities, healthy food, and safe environments, for everyone.

Policy 1.4.1 Regularly monitor the food level of accessibility for residents to identify and reduce any healthy food priority areas in the City.

Policy 1.4.1a Utilize data collected by the US Department of Agriculture, the Center for Disease Control, and from business licenses to map the locations of grocery stores, supermarkets, farmer markets, and similar establishments to determine the accessibility for residents in the City.

Policy 1.4.1b Annually update the location map to determine underserved areas in the community.

Policy 1.4.2 Encourage the location of grocery stores, farmers markets, and community food gardens to support access to healthful food for all areas where people live.

Policy 1.4.2a Provide incentives for grocery stores, full-service supermarkets, farmers markets, food carts and other mobile vendors to locate in underserved communities, including consideration of land use amendments and permitted and consideration of conditional use regulations, where appropriate.

Policy 1.4.2b Provide and promote resources designed to encourage urban agriculture opportunities, including, but not limited to, community and home gardens, including consideration of land use amendments and permitted and consideration of conditional use regulations, where appropriate.

Policy 1.4.2c Accommodate concentrations of food service providers at strategic locations in relation to the transportation system and concentrations of housing and employment in the City.

Policy 1.4.2d Recognize the value of the local food system in sustaining the local economy and neighborhoods by supporting our capacity to grow, process, distribute, and access local foods. Explore, as appropriate, regulations allowing for the development of urban farms, vertical

farming, and associated land use regulations to allow for hydroponic and aquaponic uses within the City.

Policy 1.4.2e Seek opportunities to partner with non-profit organizations, local businesses, student organizations, and other community efforts aimed at providing healthy and affordable food options for communities in Miramar, including to identify areas of the City in need of additional resources or services.

Policy 1.4.3 Institute a cross-disciplinary approach to addressing the social determinants of health and potential impacts to health equity resulting from land use policies, public infrastructure, or services decisions. Considerations shall include potential impacts upon individuals' access to clinical care, air and water quality, housing, transportation, jobs, income, education, social cohesion, community safety, child development, diet, and exercise.

Policy 1.4.4 Continue to protect and promote the public health, safety, and welfare through the application of development standards.

Objective 1.5 Quality Neighborhoods

Maintain and continuously improve neighborhoods through neighborhood planning, effective code compliance, on-going community outreach and implementation of neighborhood plans and beautification programs.

Policy 1.5.1 Create and/or update neighborhood plans to develop high-quality, vibrant neighborhoods that feature a balanced mix of residential uses and supporting non-residential uses and are defined with walkable streets and quality buildings through the creation of guidelines that enhance the pedestrian realm and give clear intent for an active street-level and an exceptional public realm experience.

Policy 1.5.2 Protect the integrity of existing single-family neighborhoods through design elements, which maintain consistency and/or improve the aesthetic quality of the neighborhood.

Policy 1.5.3 Promote community identity through building and streetscape enhancements, with a focus on primary entrances, wayfinding, and gateways to the City.

Policy 1.5.4 Adopt design standards in the LDC to promote strong, healthy, and beautiful neighborhoods that enhance the physical character and embrace distinctive qualities of individual neighborhoods throughout the City.

Policy 1.5.5 Adopt design guidelines for amenities and street furnishings based on character and context of each neighborhood, considering life cycle, South Florida climate and maintenance costs.

Policy 1.5.6 Promote participatory neighborhood design planning to ensure that land development regulations and neighborhood design standards adopted into the LDC work hand in hand to help neighborhoods improve, while at the same time preserving historic and cultural value and preventing the displacement of existing residents.

Policy 1.5.7 Incorporate Crime Prevention Through Environmental Design (CPTED) standards to create and enhance a sense of safety and security throughout the built environment.

Policy 1.5.8 Protect neighborhoods from unreasonable traffic impacts by utilizing traffic calming measures such as, but not limited to, street closures, signalization, site modifications, access controls, stop signs, and traffic separators.

Policy 1.5.9 Act upon resident requests for traffic calming within residential neighborhoods, in furtherance of the applicable sections of the City Code of Ordinances, which outline the procedures for the installation of traffic calming measures within the City.

Policy 1.5.10 Consider appointing neighborhood liaisons to serve as residents' direct link to City services dedicated to helping protect the health, safety and welfare of residents and improving the quality of life of neighborhoods.

Policy 1.5.11 Encourage the incorporation of public art and placemaking strategies in development and infrastructure projects to enliven the City's neighborhoods and creatively transform them into vibrant places where diverse people come together to construct meaning, foster attachment, and mediate change.

Policy 1.5.12 Encourage urban design which, responds to the climate and character of Miramar, is pedestrian friendly, human-scaled and contains the infrastructure and amenities to create a vibrant public realm.

Policy 1.5.13 Include aesthetic and functional considerations in the design and implementation of public improvement projects along gateway corridors to support and enhance the visual quality, livability, and character of the City.

Policy 1.5.14 Update the LDC to provide for more context-sensitive, aesthetically pleasing signage along the commercial corridors, establish a sign amortization program to incentivize property owners to bring their properties to Code and thereby reduce the clutter of undesirable signs.

Policy 1.5.15 Integrate gateway directional signage into a comprehensive City way- finding sign that addresses how people move and connect throughout the City.

Policy 1.5.16 Ensure that all public spaces, buildings, and events are designed and maintained to be both physically and cognitively accessible to individuals of all abilities, including those with neurodivergent needs.

Objective 1.6 Neuro Inclusivity

Promote inclusive land use patterns and development practices that support neurodiverse individuals by fostering environments that are accessible, calming, and adaptable to a wide range of sensory, cognitive, and behavioral needs.

Policy 1.6.1 Encourage development and redevelopment projects, particularly within mixed-use and public-serving areas, to integrate universal design and neuro-inclusive design principles that support sensory-friendly environments, such as quiet zones, low-stimulation lighting, and clear visual wayfinding.

Policy 1.6.2 Promote the integration of supportive uses such as neuro-inclusive housing, therapeutic services, and inclusive recreation and education facilities within residential and mixed-use future land use categories.

Policy 1.6.3 Work with developers, design professionals, and community organizations to incorporate sensory gardens, quiet outdoor spaces, and adaptive recreation areas into open space and public park planning.

Policy 1.6.4 Support zoning and land development code amendments that remove barriers to establishing housing types and community facilities that serve neurodiverse populations, including co-housing, supportive housing, and sensory-friendly spaces.

Objective 1.7 Smart City Initiatives

Encourage and support the integration of Smart City technologies into the built environment to improve public services, enhance quality of life, and promote innovation-oriented economic development through the strategic designation and development of land uses.

Policy 1.7.1 Promote land use designations and development patterns that support the deployment of Smart City infrastructure such as public Wi-Fi, smart lighting, and broadband-ready development in activity centers, mixed-use corridors, and public facilities.

Policy 1.7.2 Promote public-private partnerships to advance Smart City infrastructure within new and redeveloping areas, including broadband deployment, sensor networks, and data-sharing platforms that align with the City's long-term growth strategy.

Policy 1.7.3 Incentivize developments within targeted growth areas to incorporate smart building technologies, such as energy-efficient systems, green infrastructure monitoring, and smart metering, as part of land use approvals and sustainability initiatives.

Policy 1.7.4 Coordinate with regional partners, utility providers, and technology firms to ensure that land use planning considers the physical and digital infrastructure needed for emerging Smart City applications, including autonomous vehicles, micro-mobility networks, and smart waste management systems.

Policy 1.7.5 Support the continued development and expansion of the City's Real-Time Crime Center (RTCC) as a critical land use function that leverages data analytics, camera systems, license plate readers, and sensor technologies to improve public safety and emergency coordination.

Policy 1.7.6 Encourage and prioritize the provision of public Wi-Fi infrastructure, particularly within municipal parks, civic spaces, and designated activity centers, to promote digital inclusion and increase community access to information.

Policy 1.7.7 Support the continued maintenance, integration, and expansion of geospatial information systems (GIS) to inform land use decisions, enhance public transparency, and assist with long-range planning efforts.

Policy 1.7.8 Support the development and expansion of the Miramar Innovation and Technology Activity Center (MITAC) as a designated mixed-use district that facilitates the emergence of smart neighborhoods, characterized by integrated technology systems, connectivity, sustainable infrastructure, and community-oriented design.

Policy 1.7.9 Coordinate land use planning efforts with public safety departments to ensure that new development and redevelopment projects integrate with the City's real-time surveillance and monitoring systems, particularly in high-traffic, mixed-use, and activity centers.

Objective 1.8 Redevelopment and Infill Development

Direct or locate growth along the City's major transportation corridors, especially at the Intersection of University Drive and Miramar Parkway, and within the Transit Oriented Corridor Activity Center future land use designation.

Evaluation Measure 1.8 Adherence to design guidelines and the LDC in new development and capital improvements that support the redevelopment/revitalization of these targeted areas.

Policy 1.8.1 Implement strategies that are rooted in market demand and real estate realities to promote redevelopment and "in-fill" activities through the adoption of innovative land development regulations.

Policy 1.8.2 Promote vibrant mixed-use developments within the targeted areas, which combine new homes with office space, shops and restaurants, and places for art, culture, and civic life.

Policy 1.8.3 Guide the revitalization of the targeted areas through development and redevelopment projects and capital improvement investments.

Policy 1.8.4 Strengthen the identity and presence of arts, cultural and entertainment uses within the targeted areas.

Policy 1.8.5 Create lively, safe, attractive, and comfortable public spaces within the targeted areas, which draw people and activity to the City.

Policy 1.8.6 Support community development activities and programs within the targeted areas, such as housing rehabilitation, small business development, facilitation of all types of housing, including, but not limited to low-income and moderate-income housing, and land assembly programs.

Policy 1.8.7 Amend the LDC to reduce parking requirements for residential and commercial uses along major corridors where it can be shown that pedestrian and transit amenities are provided, shared parking is provided, or sufficient public parking is nearby.

Policy 1.8.8 Amend the LDC to incorporate design guidelines to assure compatibility with surrounding neighborhoods.

Policy 1.8.9 Within one year of the adoption of these EAR-based Amendments, adopt a new local activity center around the University Drive and Miramar Parkway to be called University Drive Activity Center (UDAC), which would create a synergistic mix of new retail, housing, office, cultural and/or entertainment uses. Coordination with FDOT should be conducted prior to approval of the local activity center to mitigate potential impacts on the operation of University Drive.

Policy 1.8.10 Continue to implement the Transit Oriented Corridor's vision of a vibrant community with a successful mix of business and residential uses defined with walkable streets and quality buildings through the calibration of existing guidelines which aim to enhance the pedestrian realm and gives clear intent for an active street level and an exceptional public realm experience.

Policy 1.8.11 Continue to coordinate with FDOT to appropriately maximize and enhance State Highway System (SHS) facilities by ensuring interconnectivity and compliance with facility operation standards.

Objective 1.9 Mixed-Use Development

Encourage a functional and balanced intermix of uses to enhance the livability of the City and further discourage urban sprawl.

Evaluation Measure 1.9 Annual record of number of approved mixed-use development orders.

Policy 1.9.1 Mixed use residential development shall promote an urban form, which creates well integrated land use combinations, balances intensity and density, and promotes the safe, interconnectivity of vehicular, pedestrian, and other non-motorized movement.

Policy 1.9.2 Amend the LDC to include appropriate design standards to ensure mixed-use developments are compatible with adjacent existing land uses and adjacent adopted future land use designations.

Policy 1.9.3 Mixed use areas should include enhancements of the public realm, through open space, urban public plazas and/or recreational areas through development, redevelopment, and public investments.

Policy 1.9.4 Utilize standards for residential properties along major thoroughfares, as necessary, to encourage higher densities and support use of public transit.

Policy 1.9.5 Continue to provide incentives through the LDC to encourage growth in the designated major transit corridors, which shall include, but not be limited to, reduced height and setback requirements, reduced parking standards and modified landscaping requirements.

Policy 1.9.6 Continue to improve connectivity between modes, including adding additional miles of bike lanes, sidewalks, and transit facilities and consider this connectivity in land use and development review considerations.

Policy 1.9.7 Identify inclusionary initiatives that promote the creation of sensory-friendly environments in public spaces.

Policy 1.9.8 Continue to coordinate with FDOT to appropriately maximize and enhance State Highway System (SHS) facilities by ensuring interconnectivity and compliance with facility operation standards.

Objective 1.10 Housing

Provide adequate sites at varying densities to accommodate adequate and affordable housing for all segments of the existing and future population, including affordable workforce housing, as defined in Section 380.0651(1)(h), Florida Statutes (F.S.), housing for very-low-, low-, and moderate-income households, affordable housing for persons 60 years of age or older, and those with special housing needs, with supporting infrastructure and public facilities.

Policy 1.10.1 Provide for a sufficient amount of land for residential use to meet future housing needs, including very low, low, and moderate income, and to accommodate the projected population.

Policy 1.10.2 Continue the review and streamlining as needed, of those ordinances, codes and regulations related to the permitting process, in order to continue the reduction of excessive requirements and amend or add other provisions that increase private sector participation in adding to the supply of affordable housing.

Policy 1.10.3 Designate the Building, Planning, and Zoning Department as the lead agency, with assistance from the Economic Development and Housing Department, Engineering, and other appropriate Departments.

Policy 1.10.4 Affordable housing units should focus on providing shelter to extremely low-, very low-, low-, and moderate-income residents, small families, single person households, and economically vulnerable households.

Policy 1.10.5 Assist and encourage public/private partnerships with private community-based non-profit agencies and other private sector agencies that further City housing Policy objectives, in order to improve cooperation among participants involved in housing

production and to enhance the feasibility of producing and delivering affordable housing.

Policy 1.10.6 Continue to make adequate provisions through the City's Code of Ordinances and the LDC, including, but not limited to, waiver of impact fees and expedited building permit reviews, to enable public, private and not-for-profit organization investment in the construction of new affordable housing units.

Policy 1.10.7 Amend the LDC to reduce parking requirements for affordable, workforce, attainable housing development. Senior affordable units shall be subject to a 50 percent reduction.

Policy 1.10.8 Continue to implement incentives for providing affordable housing per the policies in the BCLUP and in the City's Comprehensive Plan, including the use of density bonuses, flexibility and redevelopment units for affordable housing.

Policy 1.10.9 Support the distribution of housing for very low-, low-, moderate- and middle-income households, to avoid undue concentrations of very low- and low-income housing throughout the City.

Policy 1.10.10 Amend the LDC to require developers of both market-rate and affordable and workforce housing to utilize principles of sustainable design by implementing environmentally friendly and green building design standards.

Policy 1.10.11 Encourage the creation and integration of comprehensive housing policies that recognize and accommodate the unique needs of adults on the autism spectrum and other neurodivergent individuals.

Policy 1.10.12 Provide incentives for developers to incorporate neuro-inclusive design features in housing projects.

Policy 1.10.13 Future land use plan amendments that create 100 additional residential units or more will be reviewed in conformance with BCLUP Policy 2.16.2 regarding affordable housing.

Policy 1.10.14:

1. Bonus residential density may be allocated to facilitate the development of affordable housing for persons within the following income categories as defined in the BCLUP and the City's Comprehensive Plan:
   - Moderate-income persons having a total annual anticipated income for the household that does not exceed 120 percent of the median annual income adjusted for family size for households within the County.*
   - Low-income persons having a total annual anticipated income for the household that does not exceed 80 percent of the median annual income adjusted for family size for households within the County.*
   - Very-Low income persons having a total annual anticipated income for the household that does not exceed 50 percent of the median annual income adjusted for family size for households within the County.*

   *While occupying a rental unit, annual anticipated gross income may increase to an amount not to exceed 140 percent of the applicable median income adjusted for family size.

2. Bonus Formulas

Moderate-income: Six (6) bonus units per every one (1) “moderate-income” unit.

Low-income: Nine (9) bonus units per every one (1) “low-income” unit.

Very-Low-income: Nineteen (19) bonus units per every one (1) “very-low-income” unit.

3. Affordable housing density bonuses are conditioned on the developer or purchaser providing, in a manner acceptable to the Building Planning and Zoning Department and the City Attorney, guarantees, as a minimum, through the use of restrictive covenants, that the affordability of the bonus units for the affordable income groups described above will be maintained for a period of at least thirty (30) years for rental housing and at least thirty (30) years for owner-occupied housing.

4. The total number of units, including affordable and bonus units, on lands designated as “Residential” may not exceed a maximum of 50 dwelling units per acre on the BCLUP and the FLUE. For parcels designated “Commerce” or similar designation on the local land use plan map, these maximum densities shall not be applicable. If the total density, including the affordable and bonus units, exceeds the density permitted by the existing zoning classification, City Commission shall make a finding of compatibility with existing and future land uses and the LDC at a publicly noticed meeting, consistent with its notification requirements; otherwise, the City’s Planning and Zoning Board, in its capacity as the local planning agency, and pursuant to the requirements of Section 163.3174, (F.S.), may make the finding of compatibility at a publicly noticed meeting, consistent with the above.

5. At the time of allocation of bonus density, a finding shall be made that ascertains adequate public facilities and services are in place or will be in place to accommodate all bonus and affordable units by the completion of the project.

6. Allocations of bonus residential density do not require an amendment to the Broward County Land Use Plan or the City’s Comprehensive Plan.

7. By January 31 of each year, an annual report shall be transmitted to the Broward County Planning Council, which provides tables reflecting bonus density units allocated.

8. “Affordable” unit and bonus unit construction is subject to the following, as enforced by the applicable local government:

    a. One hundred percent (100%) of “affordable” units must receive certificates of occupancy before the final fifty percent (50%) of bonus units receive their certificate of occupancy; or

    b. All “affordable” units shall be available before or concurrently with bonus units.

Objective 1.11 Mobility

Promote and encourage (re)development, and implement to the maximum extent feasible for those (re)development projects and lands owned by the City, to take advantage of compact building design to preserve more open space, support a complete range of transportation choices, make public transportation viable, reduce public infrastructure cost and improve the health condition of residents and the wider community, in a manner generally consistent with the Broward Complete Streets Guidelines, or equivalent principles.

Policy 1.11.1 Identify multi-modal transportation systems consistent with the Broward Complete Streets Guidelines, the City should utilize the "Context Sensitive Corridor" Broward County Trafficways Plan designation to provide for the reservation or acquisition of rights-of-way necessary for mass transit, bicycle and pedestrian facilities and services within their land development regulations.

Policy 1.11.2 Ample and secure bicycle parking should be incorporated into non-residential and mixed-use redevelopments. The bicycle parking should be consistent with the Broward County "End of Trips Facilities Guide."

Policy 1.11.3 Amend the LDC to include incentives for constructing safe and accessible pedestrian and bicycle facilities, pathways, and greenways throughout the City, in a manner generally consistent with the Broward Complete Streets Guidelines, or equivalent principles.

Policy 1.11.4 Development designs should be context-sensitive and consider existing and planned adjacent land uses. Development projects should be considered both separately and as part of a connected network with integrated pedestrian, bicycle, and transit facilities generally consistent with the Broward Complete Streets Guidelines or equivalent principles.

Policy 1.11.5 Enhance policies and standards within the LDC addressing CPTED principles, such as lighting, street design, natural surveillance, natural access control and territorial reinforcement.

Policy 1.11.6 Encourage streetscape design which enhances connectivity and incorporates technological advancements and improvements in mobility.

Policy 1.11.7 Continue to enhance bicycle and pedestrian mobility, prioritize safety and ensure connectivity throughout the City. The City will continuously explore, as part of this connectivity, alternative designs to ensure safe pedestrian, micromobility options, and bicycling crossings.

Policy 1.11.8 Coordinate with FDOT's complete-streets/bicycle-pedestrian coordinator on Complete Street improvements that may impact State Highway System (SHS) facilities to ensure compliance with facility operation standards.

Objective 1.12

Ensure the efficient and cost-effective provision and/or extension of public infrastructure to serve the existing and future development.

Policy 1.12.1 Continue to re-evaluate the need for additional property adjacent to existing utility plants or utility facilities in order to meet future development needs.

Policy 1.12.2 Continue to require the dedication of sites, easements, and rights-of-way for utilities which are needed to serve the proposed projects and surrounding land uses, as a condition of the approval of development plans.

Policy 1.12.3 Continue to require site plan review and screening at proposed sites for electric substations and switching stations, wastewater pumping stations, water storage facilities, reclaimed water storage and pumping facilities, and other utility land uses in all land use categories and zoning districts.

Policy 1.12.4 Require existing development on septic tanks and private wells to hook up to centralized sewer and water facilities as they become available and will make

extension of and connection to centralized sewer facilities in proximity to surface waters a priority.

Policy 1.12.5 Electric lines will be installed underground to the maximum extent feasible to minimize electric service disruptions during natural disasters.

Objective 1.13 Location and Siting of Schools

Coordinate with Broward County School Board (School Board) to promote the location of schools on land proximate to residential areas.

Policy 1.13.1 The following criteria pertain to the location of new schools:

- Locate proposed school sites away from industrial uses, major arterials roadways (e.g. freeways), railroads, airports and similar land uses to avoid noise, odors, dust and traffic impacts and hazards.
- Provide buffers to shield the impacts from incompatible land uses such as industrial uses, major arterials roadways (e.g. freeways), railroads, airports and similar land uses to avoid noise, odors, dust and traffic impacts and hazards as part of the redevelopment of existing school sites.
- Consider surrounding land uses such as hospitals, adult communities, nursing homes and similar land uses that may be disrupted by school activities and traffic during the selection of new sites or redevelopment of existing sites.
- Centrally locate proposed new schools within their intended attendance zones, to the extent possible, and be consistent with walking and bus travel time standards.
- Ensure that the proposed site for a new school shall be of sufficient size so that buildings and ancillary facilities and future expansions will not interfere with historic or archaeological resources, and are located away from floodplains, flood prone areas, wetlands and other environmentally sensitive areas.
- Make public utilities (e.g. water, sewer, storm drains) readily available to the site.
- Access to the proposed school site should be from a collector road (minor collector or local road for an elementary school) and avoid the need for slow down zones, if possible.
- Ingress and egress to any proposed school site should not create detrimental impacts on adjacent roads, provide safe approaches for pedestrians, bicyclists, cars and buses, and mass transit or community shuttle stop should be located nearby.
- Collaborate with FDOT and the School Board to implement the “safe routes to school” (SRTS) program to make schools and parks more accessible for children, including those with disabilities, and to fund SRTS improvements.

Policy 1.13.2 Continue to coordinate land use with Broward County and the School Board through the procedures established in the Interlocal Agreement (ILA), as amended, and the Broward County and the City land use planning process to ensure that existing and proposed public school facility sites are located on land proximate to residential development. consistent and compatible with the future land use categories, future land use maps and policies of the County and the City Comprehensive Plan and enable a close integration between existing and planned schools and surrounding land uses.

Policy 1.13.3 Continue to participate in the staff working group comprised of staff representatives from the School Board, the County and the Municipalities (hereinafter referred to as Staff Working Group) to discuss issues and formulate recommendations regarding coordination of land use and school facilities planning and to comply with public school concurrency requirements, including such issues as population and student projections, development trends, school needs, co-location and joint use opportunities, ancillary infrastructure improvements needed to support the schools

and safe student access.

Policy 1.13.4 Continue to support the School Board, as appropriate, in implementation of the criteria for expansion of existing school sites in accordance with the adopted Interlocal Agreement between the cities and the School Board for school concurrency.

Policy 1.13.5 Continue to collaborate with the School Board and Broward County to implement concurrency management systems consistent with the policies included in the County's and the City's Public School Facility Element, and with the procedures and requirements in the ILA and the County's Land Development Code.

Objective 1.14 Preservation of Environmental Assets

Continue to comply with Broward County regulations concerning Local Areas of Particular Concern and Natural Resource Areas and develop local initiatives to protect and conserve the natural and vegetative resources of the City.

Evaluation Measure 1.14a Annual record of local initiatives to protect and conserve the natural and vegetative resources of the City.

Evaluation Measure 1.14b Record of permits issued for lot clearing in designated Natural Resource Areas.

Evaluation Measure 1.14c Designation of Conservation Areas on the City's Future Land Use Map.

Policy 1.14.1 Monitor development activity in designated Natural Resource Areas in accordance with the Broward County Lot Clearing Ordinance.

Policy 1.14.2 Through the development review process, consider the presence of environmentally sensitive lands in formulating recommendations for approvals. Refer all platting requests, which include Local Areas of Particular Concern to the County for Environmental Impact Statements.

Policy 1.14.3 Local initiatives, which address environmentally sensitive lands, shall be developed:

- Based upon County standards for Local Areas of Particular Concern and Natural Resource Areas to assess environmentally sensitive lands as a measure to protect and conserve valuable ecological communities within the City which are an integral part of South Florida's and Broward County's natural environment;
- Giving due consideration to the size, location, and condition of the parcel to determine suitability and viability for preservation;
- To protect those environmentally sensitive lands deemed viable and valuable; and
- To regulate wetlands.

Policy 1.14.4 Areas determined to be natural reservations by the Broward County Planning Council shall be protected through designation as a "Conservation" use on the Comprehensive Plan.

Policy 1.14.5 As a part of the development review process, protect and conserve plant species listed in the Regulated Plant Index established through the Florida Department of Agriculture and Consumer Services.

Policy 1.14.6 Lakes shall be required to be constructed with vegetated shallow water habitat as required by the Florida Department of Environmental Protection (FDEP).

Policy 1.14.7 In an effort to protect the groundwater supply from potential sources of pollution,

recommend against land use designations which permit industrial uses that could negatively impact water quality within wellhead protection areas of influence.

Policy 1.14.8 Restrict the use of septic tanks through the LDC. New septic tank systems shall only be permitted when the Florida Department of Health and Rehabilitative Services determines they are consistent with Broward County's Water, Sanitary Sewer and Septic Tank Ordinance and with the requirements of the Florida Statutes and the Florida Administrative Code. (Cross-reference BCLUP Policy 2.11.5.)

Policy 1.14.9 When it is determined to be practical and financially feasible, require land uses currently on septic systems to be connected to central wastewater treatment facilities, with priority given to those land uses in proximity to surface waters. (Cross- reference BCLUP Policy 2.11.6.)

Policy 1.14.10 To minimize soil erosion on new construction sites, consider including provisions in the LDC, which require treatments and other measures consistent with Chapter 27 of the Broward County Code. (Cross-reference BCLUP Policy 2.24.4.)

Policy 1.14.11 Continue to coordinate with Broward County, its municipalities, and interested stakeholders to study and recommend incentives to preserve designated environmentally sensitive lands that are privately controlled. (Cross-reference BCLUP Policy 2.23.4.)

Policy 1.14.12 Consider and minimize the impacts that land use amendments, rezonings or site plan approvals have on natural resources, including wetlands, and culturally, historically, archaeologically, and paleontologically significant resources.

Policy 1.14.13 Review all FLUM amendments, rezonings and site plan applications to ensure that there is sufficient wastewater collection and treatment facilities, potable water resources available and if reuse water is available, require it be used, and that they pose no noxious impacts to the Biscayne Aquifer.

Policy 1.14.14 Maintain a map and current list of culturally, historically, archaeologically, and architecturally significant properties and encourage the property owners to protect these resources.

Policy 1.14.15 Promote the acquisition, retention, and management of unique natural areas in the City to preserve their environmental, recreational and other public benefits.

Policy 1.14.16 Enforce the procedures for compliance with the County Wellfield Protection Ordinance in areas of the City that fall within Zone 3 as depicted on the County's natural resource map series, at all levels of development, including Land Use Plan Amendments and Site Plans.

Policy 1.14.17 Review all proposals for development with consideration to the County's Natural Resource Map Series and discourage activities which would have a detrimental impact on significant natural resource areas which may or may not be designated by Broward County as Local Areas of Particular Concern.

Policy 1.14.18 Protect the integrity of the two wellfields by designating wellfield sites with a suitable land use designation which restricts inappropriate development.

Policy 1.14.19 Protect the integrity of the two wellfields by City ownership of the wellfield sites or restrictive easements on the wellfield sites and the water lines from the wells.

Objective 1.15 Economic Development

Transform Miramar into a model community for economic development and prosperity by leading an innovative environment that encourages retention and recruitment of business and industry, provides living-wage employment and increased training and competitiveness of the local workforce, while prioritizing environmental issues, social issues, and corporate governance.

Policy 1.15.1 Promote Miramar as a desirable place to live and visit by creating programs that enhance sense of place and encourage operation of various retail, entertainment, and tourism opportunities throughout the City.

Policy 1.15.2 Attract and support existing and future residents by creating high quality, safe, and aesthetic public and open space areas, streetscapes, parks, and sports facilities.

Policy 1.15.3 Improve overall pedestrian character of neighborhoods to increase safety, reduce the potential for crime, reduce vehicle speeds, promote healthier lifestyles, encourage pride of ownership, and encourage personal investment, all of which can positively impact overall property values.

Policy 1.15.4 Develop land development regulations and development review processes that maintain community quality and sustain economic growth.

Policy 1.15.5 Target investment in Historic Miramar by establishing programs and incentives to promulgate local businesses and encourage equitable development.

Policy 1.15.6 Continue investing in community activities that provide financial incentives for business expansion, create jobs with livable wages throughout Miramar, and expand the City tax base to provide for financial sustainability.

Policy 1.15.7 Continue to encourage capital investment, public improvements, and job training efforts in Historic Miramar.

Policy 1.15.8 Foster continued labor force growth by improving economic diversification and expansion and ensuring site availability and infrastructure capacity to support business growth.

Policy 1.15.9 Periodically update the City's Economic Development Action Plan (EDAP) to ensure the City's economic development vision is rooted in market realities and incorporates community values and preferences through a public engagement process that involves a diverse group of citizens and stakeholders.

Policy 1.15.10 Support, pursue, and prioritize innovative approaches that grow the City's key target industries through a creative cluster development model strategy.

Policy 1.15.11 Encourage and increase fair access to a variety of high-quality jobs of all pay levels in current and future target industries, regardless of protected characteristics, to provide for equality of opportunities and outcomes, and a more diverse, inclusive, productive, and equitable future of work.

Policy 1.15.12 Cultivate an environment of innovation and connect the City's economic development activities to local resources and assets through coordinated leadership partnerships.

Policy 1.15.13 Coordinate with local businesses and local business organizations to provide job training and identify educational gaps in the City's workforce.

Policy 1.15.14 Work with local educational institutions to ensure that the City has a well-educated workforce available to meet the needs of a growing knowledge-based economy.

Policy 1.15.15 Maintain strong partnerships with local and regional job training and educational institutions to ensure that the local workforce has the skills necessary to meet job requirements of existing and future local businesses.

Policy 1.15.16 Work with underrepresented entrepreneurs, such as minority populations and women, as well as other Miramar-based businesses to develop and implement a strategic nurturing plan for such businesses in the City.

Policy 1.15.17 Ensure underrepresented entrepreneurs, such as minority populations and women, as well as other Miramar-based businesses are utilizing existing economic development programs offered by the City through outreach.

Policy 1.15.18 Enhance economic competitiveness by increasing confidence and pride in existing and potential future business owners, employees, and residents, and assist by providing incentives to target industries.

Policy 1.15.19 Work with the Miramar/Pembroke Pines Chamber of Commerce to concentrate business development efforts on existing and future industries that enhance and diversify the existing economy and economic base.

Policy 1.15.20 Regularly evaluate the demand for land designated for economic activity, the availability and location of land suited for economic development activities, and opportunities for revitalization and reuse.

Policy 1.15.21 Maintain a system that tracks available properties recognized as having high economic suitability to encourage investors to locate within the city.

Policy 1.15.22 Develop programs to incentivize the expansion and agglomeration of target industry facilities to areas suitable for such industries.

Policy 1.15.23 Prioritize economic development efforts to attract and induce investment in local small businesses throughout the City.

Policy 1.15.24 Where appropriate, continue to support efforts to assist small business through technical assistance for business start-up and/or expansion, such as the Miramar Business Academy, the Small Business Signage Program, the Small Business Grant Program, or the Vacant Storefront Cover Program.

Policy 1.15.25 Provide technical and financial assistance to small emerging technology firms and firms involved in international trade.

Policy 1.15.26 Explore opportunities to leverage Miramar's industry to expand the network for technology and innovation entrepreneurs to learn about services and jobs, build relationships, and find resources to help enable their businesses to flourish.

Policy 1.15.27 Promote access to working capital and other forms of financial assistance to nurture entrepreneurship, innovation, and business growth.

GOAL 2 Permitted Uses

Uses and densities permitted in the future land use categories are established within the Goals, Objectives, and Policies of the Comprehensive Plan. Land development regulations as to permitted uses and densities, as established in the City's LDC, must be in compliance with the permitted uses of the Comprehensive Plan as shown on the FLUM. The City's LDC may prohibit or restrict any of the land uses permitted within any land use category of the City's Comprehensive Plan.

Objective 2.1 - Ensure Adherence to Standards

The following establishes the Future Land Use designations, permitted uses and special considerations:

Evaluation Measure 2.1 Annual record of the City's adherence to the density standards and permitted uses, as provided by the Future Land Use Element.

Policy 2.1.1 Density and intensity standards are utilized to control the intensity or density of all uses within the City in order to ensure compliance with the Goals, Objectives and Policies of the Plan. These standards include, but are not limited to:

- The regulation of the amount of open space surfaces required for a development to control the intensity of development, especially in areas of sensitive natural resources to reduce environmental impacts;
- Consideration of unique characteristics of the land or site to determine its capacity for residential and/or non-residential uses;
- The regulation of the amount of impervious surfaces provided on a development site;
- The regulation of density through density ranges and housing types;
- The regulation of structures on a development site through the application of minimum lot sizes, yards and setbacks, height and bulk control planes, floor area ratios, off-street parking and loading;
- The regulation of uses permitted in each land use category in order to prevent the mixing;
  of incompatible uses, which may have a negative effect on another; and
- The reduction of nonconforming uses.

Policy 2.1.2 All references to density within the Comprehensive Plan mean net density, except for mixed-use development, which shall have a density limitation based on gross acres, as defined in the Definitions Section of this Comprehensive Plan.

Policy 2.1.3 Use the Comprehensive Plan and LDC to establish differing densities for residential land uses.

Policy 2.1.4 Any arrangement of dwelling units on a parcel of land designated for residential use is compatible with the Comprehensive Plan if the maximum number of dwelling units permitted within the parcel is not exceeded. The distribution of units will be determined by zoning of the parcel and other restrictions imposed by the LDC.

Policy 2.1.5 A studio housing unit or efficiency housing unit, no greater than 500 square feet in size may be counted by the City as 0.5 dwelling units for residential density calculations. (Cross-reference BCLUP* Policy 2.2.5).

Policy 2.1.6 Utilize the Comprehensive Plan and LDC to establish differing intensities for non-residential land uses.

Policy 2.1.7 Utilize the Comprehensive Plan and the LDC to establish appropriate intensity standards for non-residential land uses compatible with adjacent existing and future residential land uses.

Policy 2.1.8 Calculations of acreage covered by different land use categories on the City's FLUM will necessarily be approximate, due to the scale of the map. Where edges of land use categories are close to property lines, streets, transmission lines or other existing lines, edges should be construed to follow those lines. A lake or canal should be construed as having been assigned the same land use category as that assigned to adjacent unsubmerged land.

Policy 2.1.9 The following Future Land Use designations shall be applied to the FLUM.

Policy 2.1.10 The FLUM, presented herein and incorporated hereto as Exhibit A, is hereby adopted as an integral part of this Comprehensive Plan. The FLUM shall include the following land use categories to designate land uses and manage the gradual and ordered growth of the City:

Residential	**Non-residential**	**Activity Centers**
Rural Estate 1 (E-1) Estate 2 (E-2) Residential Low 2 (RL-2) Residential Low 3 (RL-3) Residential Low 5 (RL-5) Residential Medium-Low 10 (RM-10) Residential Medium 16 (RM-16) Residential Medium High 25 (RM-25) Irregular Density (ID)	Commerce (C) Recreation and Open Space (ROS) Institutional (IN) Utilities (U) Conservation (CO) City Areas of Particular Concern (CAPC)	Miramar Regional Activity Center (RAC) Miramar Transit Oriented Corridor (TOC) Miramar Innovation and Technology Center (MITAC)

Residential Future Land Use Categories

The residential future land use designations are intended primarily for dwellings and other land uses in support of the residential environment. Uses permitted in areas designated residential are as follows:

1. Dwelling units, subject to the density limits shown for that particular residential future land use category on the FLUM.

Category	Intensity Allowed
Rural Estate 1 (E-1)	one (1) dwelling unit per 2.5 gross acres
Estate 2 (E-2)	one (1) dwelling unit per 1 gross acre
Residential Low 2 (RL-2)	two (2) dwelling units per 1 gross acre
Residential Low 3 (RL-3)	three (3) dwelling units per 1 gross acre
Residential Low 5 (RL-5)	five (5) dwelling units per 1 gross acre
Residential Medium-Low 10 or LM (RM-10)	ten (10) dwelling units per 1 gross acre
Residential Medium 16 or M (RM-16)	sixteen (16) dwelling units per 1 gross acre
Residential Medium High 25 or MH (RM-25)	twenty-five (25) dwelling units per 1 gross acre
Irregular Density (ID)	

2. Home occupations and other uses accessory to a dwelling unit.
3. Hotels, motels and similar lodging. The maximum number of hotel, motel or similar lodging units permitted on any parcel designated for residential use is double the maximum number of dwelling units permitted by the Future Land Use Plan designation.
4. Parks, playgrounds, golf courses, open space, other outdoor recreational facilities, and recreational, civic or cultural buildings ancillary to the primary outdoor recreational use of the site and City approved outdoor events.
5. Community facilities designed to serve the residential area, such as schools, churches, day care centers, health clinics, nursing homes, hospitals, rehabilitation quarters, governmental administration, police and fire protection facilities, libraries and civic centers.
6. Public utilities including water and wastewater treatment plants; pumping and transfer stations; transmission facilities; excluding landfills and electric power generating plants.
7. Communication facilities.
8. Agriculture limited to flower and vegetable gardens, greenhouses and groves.
9. Offices and/or retail sales of merchandise or services, subject to the review and approval requirements of Broward County Land Use Plan for those portions of the City of Miramar which are subject to this Policy and the following limitations and provisions:
    a. No added contiguous area used for neighborhood offices and/or neighborhood retail sales of merchandise or services may exceed ten (10) acres. For the purposes of this provision, contiguous is defined as: attached; located within 500 feet; or separated by only streets and highways, canals and rivers, or easements.
    b. Within a flexibility zone, no more than a total of 5% of the area designated for residential use on the City Land Use Plan Map (Series) may be used for neighborhood offices and/ or neighborhood retail sales of merchandise or services.
    c. No added contiguous area used for offices and/or neighborhood retail sales of merchandise or services may exceed ten (10) acres. For the purpose of this provision, contiguous is defined as: attached; located within 500 feet; or separated only by streets and highways, canals and rivers, or easements.
    d. Regardless of the constraints of a. and b. above, space within residential buildings in areas designated for Medium-High (25 dwelling units per net acre) and High (60 dwelling units per net acre) residential density may be used for offices and/or retail sales of merchandise or services, so long as no more than 50% of the floor area is used for offices.
    e. Regardless of the constraints of a. and b. above, space within residential buildings in areas designated medium residential density (15 dwelling units per net acre) may be used for offices, as long as no more than 50% of the floor area is used for offices.
10. Recreational vehicle/mobile home park sites in the Low-Medium (10), Medium (15), and

Medium-High (25) density ranges. The maximum number of recreational vehicle park sites permitted is: a. Equal to the maximum number of dwelling units designated for that parcel on the FLUM, and subject to further restrictions as may be included in the LDC.

11. Special Residential Facilities, as defined in the Definitions Section, which meet the density provisions by Category type stated below:

Special Residential Facility Category (1)	Development shall count as one (1) dwelling unit each.
Special Residential Facility Category (2)	Development shall count as two (2) dwelling units each.
Special Residential Facility Category (3)	Development shall count as one (1) dwelling unit per every two (2) sleeping rooms regardless of the number of kitchens or baths.

Estate 1 (E-1)	
Intent	
The Estate (1) future land use is the residential land use with the lowest density in Miramar and supports rural development. It is intended to be a buffer between the Conservation area and suburban development.	
Maximum Residential Density	**Permitted Uses**
one (1) dwelling unit per 2.5 gross acres	a. Rural residential development. b. Low intensity agriculture and related uses to include cultivation of crops, groves, horse and cattle ranches, private game preserves, fish breeding areas, tree and plant nurseries. c. Parks. d. Police and fire protection facilities. e. Category 1 Special Residential Facilities (as defined in Appendix A) subject to the requirements of this land use category for the location of one (1) dwelling unit. f. Public utilities including water and wastewater pumping stations, electrical utility substations, and telecommunications transmission facilities.

Estate 2 (E-2)	
Intent	
The Estate (2) future land use supports exurban development and is meant to create a rural-like area in Miramar.	
Maximum Residential Density	**Permitted Uses**
one (1) dwelling unit per 1 gross acre	a. Rural residential development b. Parks, and civic or cultural buildings ancillary to the primary outdoor recreational use of the site. c. Low intensity agriculture and related uses to include cultivation of crops; groves; horse and cattle ranches; private game preserves; fish breeding areas; tree and plant nurseries. d. Category 1 Special Residential Facilities (as defined in Appendix A) subject to the requirements of this land use category for the location of one (1) dwelling unit. e. Civic uses including but not limited to, police, ambulance, and fire protection facilities, libraries, hospitals, civic centers and governmental administration offices, subject to the standards set forth in the City's Land Development Code. f. Public utilities, including water and wastewater pumping stations, electrical utility substations and telecommunication transmission facilities.- g. Offices and retail sales of merchandise, provided a. Broward County Land Use Plan shall permit up to 5% of the area designated residential within flexibility zones in Miramar to be used for neighborhood commercial uses, subject to Policy 2.10.1 and the restrictions identified within the Residential Permitted Uses subsection of the Plan Implementation Requirements section of the Broward County Land Use Plan. b. No added or contiguous area used for offices and/or retail sales of merchandise or services may exceed ten (10) acres. For the purpose of this provision, contiguous is defined as: attached; located within 500 feet; or separated only by streets and highways, canals and rivers, or easements. h. Category 1 Special Residential Facilities (as defined in Appendix A) subject to the requirements of this land use category for the location of one (1) dwelling unit.

Residential Low (RL-2, RL-3, and RL-5)

Intent

These future land uses support suburban development and are primarily intended to accommodate low-density, single-family neighborhoods in Miramar.

Maximum Residential Density

Low 2 (RL-2)	Low 3 (RL-3)	Low 5 (RL-5)
two (2) dwelling units per 1 gross acre	three (3) dwelling units per 1 gross acre	five (5) dwelling units per 1 gross acre

Permitted Uses

a. Parks, golf courses and other outdoor recreational facilities and recreational, civic or cultural buildings ancillary to the primary outdoor recreational use of the site.
b. Agricultural and related uses to include cultivation of crops, groves, horse and cattle ranches, private game preserves, fish breeding areas, tree and plant nurseries, until the area is converted to urban use.
c. Community facilities, including, but not limited to, schools, day care centers, clinics, nursing homes, rehabilitation centers, special residential facilities subject to the density provisions of subsection 1.3 (i), police, ambulance, and fire protection facilities, libraries, civic centers, governmental administration, and cemeteries.
d. Public utilities, including water and wastewater pumping stations, electrical utility substations and telecommunication transmission facilities.
e. Offices and retail sales of merchandise, subject to the following:
    1. No more than a total of five percent (5%) of the area designated for residential use on the BCLUP Map (Series) within the City of Miramar may be used for offices and/or neighborhood retail sales of merchandise or services.
    2. No such contiguous area may exceed 10 acres.
f. Category 1 Special Residential Facilities (as defined in Appendix A) subject to the requirements of this land use category for the location of one (1) dwelling unit

Residential Medium (RM-10, RM-16, and RM-25)

Intent

These future land uses support suburban development and are primarily intended to provide for both low- and medium-density housing options in Miramar.

Maximum Residential Density

Residential **Medium Low 10 (RM-10)**	***Residential*** **Medium 16 (RM-16)**	***Residential*** **Medium High 25 (RM-25)**
ten (10) dwelling units per 1 gross acre	sixteen (16) dwelling units per 1 gross acre	twenty-five (25) dwelling units per 1 gross acre

Permitted Uses

a. Parks, golf courses and other outdoor recreational facilities and recreational, civic or cultural buildings ancillary to the primary outdoor recreational use of the site.
b. Agricultural and related uses to include cultivation of crops; groves; horse and cattle ranches; private game preserves; fish breeding areas; tree and plant nurseries; until the area is converted to urban use.
c. Community facilities, including, but not limited to, schools, day care centers, clinics, nursing homes, rehabilitation centers, special residential facilities subject to the density provisions of subsection 1.3 (i), police, ambulance, and fire protection facilities, libraries, civic centers, governmental administration, and cemeteries.
d. Public utilities, including water and wastewater pumping stations, electrical utility substations and telecommunication transmission facilities.
e. Offices and retail sales of merchandise, subject to the following:
    1. No more than a total of five percent (5%) of the area designated for residential use on the BCLUP Map (Series) within the City of Miramar may be used for offices and/or neighborhood retail sales of merchandise or services.
    2. No such contiguous area may exceed 10 acres.
    3. Regardless of the constraints above, space within residential buildings in areas designated for M (16) and MH (25) may be used for offices and/or retail sales of merchandise or services, as long as no more than fifty percent (50%) of the floor area is used for said purposes.
f. Special residential facilities, as defined in Appendix A, shall be permitted at the following densities:
    1. Special residential facility category (1) development shall count as one (1) dwelling unit each.
    2. Special residential facility category (2) development shall count as two (2) dwelling units each only within LM (10), M(16) and MH(25).
    3. Special Residential Facility Category (3) development shall count as one (1) dwelling unit per every two (2) sleeping rooms regardless of the number of kitchens or baths.

Irregular Density (ID)

Intent

The City of Miramar understands that unique developments might fall outside of the regular land use designations. Irregular Density "dashed line" areas assign, as designated as either irregular density or dashed-area on the Broward County Land Use Plan, specific residential densities and shall be labeled with the maximum density on the Future Land Use Map.

Maximum Densities

Sunset Lakes	1.5 units per 1 gross acre
Country Lakes West	3.06 units per 1 gross acre
Tuscan Isles	3.21 units per 1 gross acre
Melrose Cove	8 units per 1 gross acre
Silver Falls	4.33 units per 1 gross acre
Vizcaya	4.95 units per 1 gross acre
Lakeshore	10.8 units per 1 gross acre
Missionwood	12 units per 1 gross acre

Permitted Uses

Irregular Residential Densities - selected areas of the City that exist as of the date of the adoption of the Plan or are annexed into the City with existing densities other than those contained in the City's Future Land Use Element, are identified on the Future Land Use Plan Map as Irregular with the maximum overall density appearing in the circle below the map designation.

That number can be multiplied by the number of net acres within the area circumscribed by the dashed line. That number shall limit the maximum number of dwelling units allowed within the circumscribed by the dashed line. The Irregular density may permit a mixture of residential types and nonresidential uses as further restricted by zoning and flexibility provisions.

Such areas are identified on the Future Broward County Land Use Plan Map (Series) by dashed lines circumscribing their edges. For each of these areas, the maximum overall density in dwelling units per acre is the number, which appears in the circle inside the dashed line. That number can be multiplied by the number of acres inside the dashed line, including areas not designated for residential use, to ascertain the maximum number of dwelling units allowable within the dashed line. The dwelling units that are permitted within areas circumscribed by a dashed line may only be applied within the boundaries of the circumscribed area and may not be transferred.

The Broward County Land Use Plan is structured on a "gross density" basis. The following table shows the relationship of the City map legend expressed in net acres with the County map designations expressed in gross acres.

City Residential Land Use Category Dwelling Units Per Net Acre	County Residential Land Use Category Dwelling Units Per Gross Acre
Rural Estate 1 (E-1) Estate 2 (E-2) Residential Low 2 (RL-2) Residential Low 3 (RL-3) Residential Low 5 (RL-5)	Low (2) Residential (2 du/gross acre) Low (3) Residential (3 du/gross acre) Low (5 du/gross acre)
Residential Medium-Low 10 or LM (RM-	Low Medium (10 du/gross acre)

10)	
Residential Medium 16 or M (RM-16)	Medium (16 du/gross acre)
Residential Medium High 25 or MH (RM-25)	Medium High (25 du/gross acre)
N/A	High (50 du/gross acre)
Irregular Density (ID)	

Non-Residential Future Land Use Categories

The non-residential future land use designations are intended primarily to support and encourage sustainable and compatible commerce, industry, and institutional facilities within the City. The mixed-use designations are intended primarily to encourage a unique residential-commerce environment that encourages compact development fulfilling a "live, work, play" vision.

Uses permitted in areas designated non-residential are limited to the following intensities:

Category	Intensity Allowed[1]
Commerce (C)	60% Lot Coverage
Recreation and Open Space (ROS)	60% Lot Coverage
Institutional (IN)	60% Lot Coverage
Utilities (U)	60% Lot Coverage
Conservation (CO)	10% Lot Coverage
Miramar Regional Activity Center (RAC)	80% Lot Coverage
Miramar Transit Oriented Corridor (TOC)	80% Lot Coverage
Miramar Innovation and Technology Center (MITAC)	80% Lot Coverage
Transportation (T)	100% Lot Coverage
City Areas of Particular Concern (CAPC)	80% Lot Coverage

[1] Measured by including the combined plot area covered by all principal and accessory buildings

Commerce (C)
Intent
The Commerce future land use is intended to encourage economic growth and accommodate opportunities for the retention and expansion of economic activities by allowing multitudes of different businesses to prosper within Miramar. Development shall be geared towards general commercial, office, industrial, manufacturing, processing or assembly plants and their support enterprises for warehouse, storage, distribution and research and development. Commercial uses are business, retail, service, office, industrial and other commercial enterprises.
Maximum Intensities
Floor area ratios shall be prescribed by the assigned zoning district as stated in the Land Development Code and City of Miramar Zoning Map.
Permitted Uses
a. Neighborhood, community, and regional retail sales and service uses. b. Office, personal service, business, restaurants, entertainment, and indoor commercial recreation uses. c. Automobile sales and repair. d. Heavy commercial uses, e. Industrial and manufacturing uses, including but not limited to storage, wholesale uses, warehouse and logistic facilities, research laboratories, office uses. f. The sale, display, manufacturing and servicing of aircraft and aviation parts and supplies. g. Utilities, transportation, and communication facilities, excluding electrical power plants. h. Hotels, motels, and similar lodging. i. Hospitals and public health facilities. j. Community facilities including schools (Adult educational institutions, adult vocational institutions, and compatible accessory uses.) k. Public utilities, transportation, and communication facilities, excluding landfills and electrical power plants.

l. Non-residential agricultural uses, to include, but not be limited to, tree and plant nurseries, urban gardens, urban farms, and farmer's markets.
m. Government administration, judicial, police, fire, and library services.
n. Banking and financial institutions.
o. Light industrial uses as may be deemed appropriate for the area involved and
p. compatible with the surrounding uses, and subject to the requirements of City of Miramar Land Development Code.
q. Communication facilities.
r. Parks, recreation, open space, and City approved outdoor events as long as the location of these do not preclude or adversely affect the future use of the surrounding areas for industry.
s. Non-residential agricultural uses that do not preclude or restrain industrial use of the surrounding areas.
t. Recreation and open space uses.
u. Special residential facilities.
v. Residential uses are permitted as part of a mixed-use development, without the need to amend the Land Use Plan Map, provided that the parcel is in the City's approved unified residential flex area applies to the parcel in one or more of the following manners:
    1. With form-based regulations that transition to adjacent lower density along major corridors provide for: affordable housing provisions linked to transportation options and provide connections to local services and amenities that the entire mixed commercial/ residential development be governed by specific zoning regulations that establish criteria to ensure proper integration and compatibility of land uses within and surrounding the development; affordable units are allowed as single use residential dwellings without the need for mixed use development per the Broward County Land Use Plan; and/or
    2. Residential units within the same structure as commercial uses for the owner, manager or caretaker of the commercial uses may be located in areas designated commercial.
    3. Special Residential Facilities such as group homes and foster care facilities are subject, when applicable, to the Special Residential Facilities provisions and allocation of redevelopment, flexibility, or bonus sleeping rooms as contained in the "Administrative Rules Document: Broward County Land Use Plan." To facilitate implementation of this section, each local government may permit a maximum of one hundred (100) "bonus" sleeping rooms, consistent with Broward County Ordinance 85-92, that are permanently dedicated to Special Residential use without allocating density.

Recreation and Open Space (ROS)

Intent

The Recreation and Open Space land use is aimed at providing public and private active or passive recreation facilities within Miramar. These uses serve public recreation needs, by providing space for outdoor recreational activities and visual relief to the landscape, support increased tree canopy, water transpiration and air purification, or by serving as an absorbing buffer from obnoxious sights and sounds.

Maximum Densities

Floor area ratios shall be prescribed by the assigned zoning district as stated in the Land Development Code and City of Miramar Zoning Map.

Permitted Uses

a. Publicly owned and/or operated active and passive outdoor recreation.
b. Outdoor cultural, educational, and civic facilities including, but not limited to nature exhibits, habitats, band shells outdoor classrooms.
c. Public or private golf courses which are intended to remain as permanent open space through recorded legal restrictions.
d. Vistas, scenic views, greenways, natural or native preserves, and landscaped paths or trails.
e. Uses accessory or supportive to the above uses. Concessions, only when accessory to the above uses including refreshment stands, pro shops, souvenir shops and rental facilities.
f. City approved outdoor events.
g. Civic, cultural, and educational facilities may be permitted if they are ancillary to the primary recreation use of the site.
h. Camping ground and facilities.
i. Cemeteries.
j. Boat ramps and docks.

Institutional (IN)

Intent

The Institutional land use is intended to serve the basic social needs of the population. It facilitates the development of educational, cultural, community, or public service facilities.

Maximum Densities

Floor area ratios shall be prescribed by the assigned zoning district as stated in the Land Development Code and City of Miramar Zoning Map.

Permitted Uses

a. Schools and churches.
b. Hospitals and public health clinics.
c. Special residential facilities.
d. Philanthropic clubs and lodges.
e. Government administration, judicial system and police, fire and library services.
f. Civic, community and cultural centers, including co-located public schools.
g. Historic areas and buildings.
h. Utilities and transportation facilities

Utilities (U)

Intent

The Utilities land use shall allow for the development of facilities necessary for public and/or private utilities to provide the best services possible.

Maximum Densities

Floor area ratios shall be prescribed by the assigned zoning district as stated in the Land Development Code and City of Miramar Zoning Map.

Permitted Uses

a. Utilities such as water and wastewater treatment plants, pumping stations, substations, solid waste disposal and transfer stations.
b. Other uses determined to be ancillary to the primary uses described in 1 above, as further restricted by the Unified Land Development Regulations.
c. Parks, Recreation and Open Space and City approved outdoor events that do not preclude or adversely affect the future utility use of the surrounding areas for utility facilities.
d. Non-residential agricultural uses, including, but not limited to, tree and plant nurseries, urban gardens, urban farms, and farmer's markets.
e. Communication facilities

Conservation (CO)

Intent

Conservation areas are intended to protect water supply, environmentally sensitive lands, wildlife habitat and the natural environment.

Maximum Densities

Floor area ratios shall be prescribed by the assigned zoning district as stated in the Land Development Code and City of Miramar Zoning Map. Proposed projects within this future land use shall minimize development as much as possible.

Permitted Uses

a. Passive outdoor recreational uses such as wildlife sanctuaries and feeding stations, nature centers and trails, outdoor research stations and walkways.
b. Uses which do not impair the natural environment or disturb the natural ecosystem of the area and which are not in conflict with any applicable contractual agreement or management policies of the federal, state regional, county, municipal or non-profit agency which manages the area.
c. Natural Reservations are designated for conservation use on the City's Future Land Use Map and include public lands, which are conservation areas.
d. City approved outdoor events.
e. Areas subject to repeated flooding due to sea level rise.

Local Activity Center

The intent of the Local Activity Center land use designation is to support a balanced mix of land uses characterized by compactness, pedestrian-friendly design, neighborhood-scale and framed by architecture and landscape design appropriate to local history and ecology. Development patterns within Local Activity Centers shall generally reflect planning and design principles such as walkable neighborhoods oriented around the five-minute walk, primary orientation toward public transit systems, a centrally located community-serving land use or land uses and greater integration of housing, employment, shopping and recreation at the neighborhood level.

For an area to qualify as an Local Activity Center, the following criteria must be met:

1. A Local Activity Center shall be a specific geographic area not exceeding 160 gross contiguous acres, unless located within an approved Chapter 163, Florida Statutes, Redevelopment Area. At such time as 75% of the originally designated Local Activity Center is developed/ redeveloped, an expansion to a subject Local Activity Center up to 100% may be proposed.
2. The density and intensity of land uses permitted within a proposed Local Activity Center shall be specified for inclusion within the Future Land Use Element Permitted Uses section.
3. Uses proposed within a Local Activity Center shall include residential uses and park land and/or open space. One or more other uses such as commercial, civic, institutional, or employment-based activity shall also be included within a Local Activity Center.
4. Park land must reflect no net loss of acreage of existing and designated parks within the proposed Local Activity Center. Park and open space land may include squares, greenbelts, greenways and playgrounds; ill-defined residual areas such as buffers and berms, for purposes of this criteria, are not considered park land or open space.
5. A proposed Local Activity Center must have a geographic configuration of appropriate depth and frontage to support the location of uses in a manner oriented around the five- minute (i.e. quarter-mile) walk. Multiple nodes of activity oriented around the five-minute (i.e. quarter-mile) walk may be included within one Local Activity Center.
6. Seventy-five percent (75%) of the land within a Local Activity Center must be located within a quarter-mile of mass transit or multi-modal facilities or are included within an adopted plan to be located within a quarter-mile of mass transit or multi- modal facilities upon buildout of the Local Activity Center. Local governments shall ensure convenient access to mass transit, community shuttle or multi-modal facilities where such facilities are in place or planned to be in place at the time the Local Activity Center is proposed. Where such facilities are not in place or planned to be in place at the time of the proposal, the local government shall require design standards in the local land use element for a Local Activity Center that ensure that the primary priority is a safe, comfortable and attractive pedestrian environment that will allow for convenient interconnection to transit, will reduce the number of automobile trips internally and will ultimately support an integrated multi- modal transportation system.
7. A proposed Local Activity Center shall demonstrate consistency with the goals, objectives and policies and other requirements of the City of Miramar Comprehensive Plan.
8. An interlocal agreement between the municipality and Broward County must be executed no later than six months from the effective date of the adoption of a Local Activity Center which provides that monitoring of development activity and enforcement of permitted land uses densities and intensities shall be the responsibility of the affected municipality.

Regional Activity Center

The Regional Activity Center (RAC) land use category is intended to encourage development or redevelopment of areas that have regional significance and facilitate a mix of uses, encourage mass transit, reduce the need for automobile travel, and encourage a strong definition of the urban form, promoting a "live, work, play" environment. Examples of areas which may be appropriate for the regional activity center designation, include adopted developments of regional impact, and areas surrounding regional community facilities such as governmental complexes.

For an area to qualify as a Regional Activity Center, the following criteria must be met:

1. The Regional Activity Center land use designation shall not be approved where other land use designations within the City Land Use Plan provide sufficient flexibility for the existing or proposed land uses.
2. The density and intensity of land uses permitted within each Regional Activity Center shall be specified within the City Land Use Plan.
3. Regional Activity Centers shall include mixed land uses of regional significance.
4. Regional Activity Centers shall either be the subject of an adopted Development of Regional Impact, or be a center of regional tourist activity, or provide direct access to existing or proposed mass transportation facilities.
5. Each Regional Activity Center shall be a defined geographical area, delineated on the City Future Land Use Plan Map.
6. Regional Activity Centers shall provide for substantial housing opportunities including workforce and affordable housing.
7. Public park space shall be included as a functional component of all Regional Activity Centers.
8. Redevelopment activities should be encouraged within Regional Activity Centers.

Developments should be pedestrian-friendly and promote the use of mass transit to reduce reliance upon automobile travel.

Miramar Regional Activity Center (RAC)	
Intent	
The Miramar Regional Activity Center, also referred to as Miramar Activity Center I in the BCLUP, totals approximately 2,205 acres in area.	
General Location	
It is generally bounded: to the West, by Flamingo Road; to the North, by Pembroke Road; to the East, by Palm Avenue; and to the South, by the Florida Turnpike between Palm Avenue and Red Road, and generally by an area South of the Florida Turnpike including an area on the South bounded by the Eastward extension of what would be the Bass Creek Road right-of-way between Red Road and Flamingo Road, excluding the area designated Institution and Public Facilities on the FLUM.	
Land Use Program & Maximum Area Intensity	
Residential Land Uses	11,060 dwelling units
Retail Land Uses	1,836,400 square feet
Office Land Uses	1,450,000 square feet
Industrial Land Uses	9,449,000 square feet
Municipal Facility Land Uses	135,000 square feet
Hotel / Motel Land Uses	372 rooms
Additional Requirements	
All new construction of the 2,350 units resulting from City of Miramar Application No. 1808669 and Broward County Application PCT 19-7, on a project-by-project basis, shall address affordable housing through one of the following methods as a developer or owner may elect: • A contribution of $500 per unit to be paid at the time of building permit; or • 15% of the residential units shall be provided as affordable, as defined in the Broward County Land Use Plan. The affordability of the units shall be maintained for a minimum of fifteen (15) years. A developer electing to provide 15% affordable units is not subject to the $500 per unit fee.	

Miramar Transit Oriented Center (TOC)		
Intent		
The Miramar Transit Oriented Corridor (TOC), also referred to as Miramar Activity Center II in the BCLUP, totals approximately 439.7 acres.		
General Location		
It is generally bounded: to the east, by SW 66th Avenue; to the north, by Pembroke Road; to the east, by State Road 7/US 441; and to the south, by County Line Road.		
Land Use Program & Maximum Area Intensity		
	General	Specific
Residential Land Uses	3,406 dwelling units	- 755 single-family units (including 32 mobile homes) - 2,651 multi-family units
Commercial Land Uses	2,500,000 square feet	-
Office Land Uses	2,000,000 square feet	-
Hotel Land Uses	250 rooms	-
Park Land Uses	61.31 acres minimum	- Miramar Athletic Park: 5.71 acres - Snake Warrior's Island Park: 55.0 acres - Miramar Athletic Park Addition: .6 acre*
*Miramar Athletic Park Addition was acquired through the Broward County Safe Parks and Land Preservation Bond Program.		

Miramar Innovation and Technology Center (MITAC)

Intent

The Miramar Innovation and Technology Center (MITAC) covers approximately 83.2 acres.

General Location

It is located in the heart of Historic Miramar and comprises multiple properties on both sides of Miramar Parkway, between the Florida Turnpike and SW 67th Avenue.

Land Use Program & Maximum Area Intensity

Residential Land Uses	450 multi-family dwelling units*
Commercial Land Uses	300,000 square feet
Office Land Uses	200,000 square feet
Public School Uses	276,000 square feet
Municipal Facility Land Uses	160,000 square feet
Recreational and Open Space	10.23 acres minimum

* A minimum of 15% of the total residential entitlements shall be used to provide for affordable housing, for which, pursuant to the BCLUP, monthly rents or mortgage payments (including taxes and insurance) do not exceed 30 percent of an amount representing the percentage (very low = 50%; low = 80%; moderate = 120%) of the area median income limits adjusted for family size for the households, in order to achieve a sufficient supply of affordable housing to serve Historic Miramar.

Additional Requirements

Development shall provide for compatibility with and adequate transition to the adjacent single-family residential neighborhoods, in order to protect the character and integrity of these neighborhoods;

Development shall incorporate buildings that front the street and may offer zero to minimal setbacks, as well as internal streets that discourage isolation and provide connectivity;

Coordinate with Broward County Transit to plan for and integrate a transit hub within the MITAC, in order to reduce reliance on automobile travel;

Development shall incorporate vehicle parking strategies that encourage transit usage, as well as design features that prioritize pedestrian mobility, including connectivity to the transit hub;

Development shall include ADA-compliant pedestrian and bicycle paths, as well as greenways to accomplish fully-connected routes to all destinations within the MITAC; said paths to be spatially defined by buildings, trees and lighting, incorporate designs that minimize conflicts with motorized traffic and discourage high speed traffic, and offer opportunities for shelter from the elements; and

Park land, public plazas, recreational areas, urban open space or green space/pocket park uses that are accessible to the public, as well as any amenities, such as clocks, fountains, sculptures and drinking fountains, which could be incorporated into these publicly accessible areas, shall be provided as an integrated component within the MITAC.

***Transportation* (T)**

Intent

The Transportation future land use is meant to delineate major public roadways and transportation infrastructure.

Permitted Uses

Expressways - Uses of an impermanent nature such as agriculture, nurseries, grazing, nonrequired parking, open storage and parks are permitted in proposed expressways. Such provisions are intended to provide owners of property within proposed expressways with limited uses that do interfere with the long-term public goal of acquiring rights-of-way for expressway purposes. No principal building may be permitted, nor may any land use, which impedes the future construction of an expressway, be allowed.

Proposed expressways shall have an underlying residential land use designation unless bordered on both sides by non-residential land use designations. The underlying density credited to the expressway shall be equal to the density of the adjacent residential land use designation. In cases where the proposed expressway is bordered by residential land use designations of different densities, the adjacent density shall apply up to the mid-point of the right-of-way. Residential units may not be constructed within the proposed expressway. However, the densities accruing to the proposed expressway may be transferred to adjacent parcels if the owner dedicates the right-of-way to a governmental agency for expressway uses. If a formal determination has been made by the Broward County Board of County Commissioners that the proposed expressway will not be constructed, the land uses permitted within the expressway corridor shall be those permitted by the adjacent land use designation as determined by the City through the Broward County Planning Council (re) certification process.

City Areas of Particular Concern (CAPC)

Intent

The City of Miramar understands that unique circumstances might cause concerns, prompting the need to require further regulation for a limited amount of time. City Areas of Particular Concern “dashed line” areas assign specific regulation to certain area(s) of the City and shall be labeled on the Future Land Use Map.

Requirements

a. Dashed lined areas shall be approved by City Commission through ordinance under a declaration of justifiable concern. Such concern shall be consistent with the goals and objectives of the comprehensive plan.
b. Only a compact, cohesive, and small area of the city shall be delineated. No more than 20% of the land in the city shall be delineated at one time.
c. Within the declaration ordinance, regulations in addition to future land use criteria may be imposed that address the concern. This can include but is not limited to building restrictions, on-site infrastructural improvements, landscaping enhancements, bonuses & incentives, and master plan implementations. Under no circumstances shall this delineation reduce intensity of the underlying future land use.
d. Within the declaration ordinance, a date of expiration shall be instituted. The ordinance can be amended to extend the date of expiration under the discretion of City Commission.
e. After expiration, the dashed line shall be removed from the future land use map and the criteria imposed no longer applies.

Objective 2.2 Utilization of Flexibility Rules

The City shall follow Flexibility Rules established in the Broward County Land Use Plan in order to facilitate the arrangement of residential densities and nonresidential intensities to respond to changing economic conditions. Flexibility units are the difference between the number of residential dwelling units permitted by the Broward County Land Use Plan and the number of residential dwelling units permitted by the City's Land Use Plan. Nonresidential flexibility is based on an acreage percentage by land use category. Flexibility Rules are further defined by zones or zone and the City has a citywide unified zone.

Evaluation Measure 2.2 Annual record of approved applications utilizing Flexibility Rules within the City.

Policy 2.2.1 The City's Unified Flex Strategy shall focus on a long-term vision that promotes a sustainable built environment by focusing development in the City's Regional Activity Centers and shall consider major transit corridors for future mixed-use development, with supporting multimodal transportation options.

Policy 2.2.1a The Unified Flex Strategy shall be geographically defined by a citywide unified zone as depicted on the City's official flex map.

Policy 2.2.1b Factors in the evaluation and update of the strategy shall include, but not be limited to: improved livability and affordability for residents, heightened community revitalization and placemaking, lower housing and transportation costs, increased mobility options and access to jobs, more efficient transportation investments and enhanced regional connections, expanded shopping and housing choices, increased sustainability and reduced greenhouse gas emissions (i.e. less need to drive), and enhanced economic development.

Policy 2.2.1c Where appropriate, the official flex map shall be amended to assist the City in protecting and preserving residential neighborhoods as well as limiting growth on the barrier island, through directed approaches in the location of flex units.

Policy 2.2.1d The Unified Flex Strategy shall be utilized to maintain the availability of nonresidential flexibility throughout the City and availability of affordable housing.

Policy 2.2.1e Adopt a form-based, mixed-use zoning district to address flex unit allocation along major transit corridors for future development. The form-based, mixed use zoning district shall incorporate design standards to address neighborhood compatibility, enhanced pedestrian safety, multimodal connectivity, and shall include options to incorporate affordable housing.

Policy 2.2.1f Consider the availability of and strategic investment in future infrastructure, multimodal transportation, climate change and resiliency considerations in the designation of future eligible areas for flexibility incorporation.

Policy 2.2.2 The City may rearrange residential densities using Flexibility Units in accordance with the County and City's adopted Land Use Plans and the "Administrative Rules Document" of the County Land Use Plan.

Policy 2.2.2a Utilization of Flexibility Units shall be subject to a determination by the Broward County Commission that such allocation is compatible with

adjacent land uses, and that impacts on public school facilities have been adequately considered, in the following instances:

1. Allocations to sites which are contiguous to a municipality upon request of the contiguous municipality.
2. Allocations to sites which are adjacent to an environmentally Sensitive Land, as defined with the Broward County Comprehensive Plan, or a Broward County or regional park, including sites which are attached, located within 500 feet, or separated only by streets and highways, canals, and rivers or easements, upon request of the Broward County Commission.
3. To ensure compliance with the rules and procedures for the processing of County Commission compatibility reviews as provided for by the Broward County Planning Council's administrative rules.

Policy 2.2.2b This Policy shall not apply to an application of the five percent (5%) residential-to-commercial flexibility rule which has been applied by the local government through (re)zoning or other official action prior to **November 5, 2004.**

Policy 2.2.3 The City may rearrange nonresidential intensities using Flexibility Rules in accordance with the County and City's adopted Land Use Plans and the "Administrative Rules Document" of the County Land Use Plan.

Policy 2.2.3a Permit up to 5% of the area with a residential land use designation to be used for neighborhood commercial uses as identified and in accordance with this Plan and the rules established within the "Administrative Rules Document: Broward County Land Use Plan" to allow both the public and private sectors to respond to changing conditions and permit the appropriate location of neighborhood commercial uses within or adjacent to established residential neighborhoods.

Policy 2.2.3b The city's certified comprehensive plan (land use plan) may decrease by 20% the lands designated "Commerce" on the Broward County Land Use Plan Map for residential use in accordance with the rules established within the "Administrative Rules Document: Broward County Land Use Plan" and the Chapter 163, Florida Statutes plan adoption and amendment process.

Policy 2.2.3c Residential uses, up to 10 acres (up to 20 acres for projects that include a minimum of 15% affordable housing restricted to such use for a minimum of 15 years), are permitted via allocation of "flexibility units" and/or "redevelopment units," provided that total residential uses do not exceed 20% of the land area designated Commercial, and Industrial.

Objective 2.3

Ensure a relatively even, logical, and compatible future land uses distribution within Miramar.

Policy 2.3.1 The following zoning districts are deemed compatible and consistent with the corresponding future land use districts stated in Objective 1.1. Districts have the discretion to be more restrictive than the future land use designation.

Land Use Designation Compatibility	
Residential	
Future Land Use	Implementing Zoning
Estate 1 (E-1)	Rural (RL) Community Facilities (CF)
Estate 2 (E-2)	Estate Residential (E) Single Family 1 (RS1) Community Facilities (CF)
Residential Low 2 (RL-2)	Single Family 2 (RS2) Community Facilities (CF)
Residential Low 3 (RL-3)	Single Family 3 (RS3) Community Facilities (CF)
Residential Low 5 (RL-4)	Single Family 4 (RS4) Single Family 5 (RS5) Trailer/Mobile Home Park (T) Community Facilities (CF)
Residential Low Medium (RM-10)	Single Family 6 (RS6) Single Family 7 (RS7) Multifamily 1 (RM1) Trailer/Mobile Home Park (T) Community Facilities (CF)
Residential Medium (RM-16)	Multifamily 2 (RM2) Trailer/Mobile Home Park (T) Community Facilities (CF)
Residential Medium High (RM-25)	Multifamily 3 (RM3) Community Facilities (CF)
Irregular Density (ID)	Planned Unit Development (PUD) All other districts
Non Residential	
Commerce (C)	Neighborhood Business (B1) Community Business (B2) Heavy Business (B3) Planned Industrial Development (PID), Community Facilities (CF)
Recreation & Open Space (R&OS)	Recreation / Open Space (OS) Commercial Recreation (CR)
Institutional (IN)	Community Facilities (CF)
Utilities (U)	Utilities (U) Community Facilities (CF)
Conservation (CO)	Conservation (CNS)
Activity Centers	
Miramar Regional Activity Center (RAC)	Traditional Neighborhood Development (TND) Mixed-use Low (ML) Mixed-use High (MH) Neighborhood Business (B1) Community Business (B2) Heavy Business (B3)

	Planned Industrial Development (PID) Community Facilities (CF) Commercial Recreation (CR)
Miramar Transit Oriented Center (TOC)	Traditional Neighborhood Development (TND) Mixed-use Low (ML) Mixed-use High (MH) Neighborhood Business (B1) Community Business (B2) Heavy Business (B3) Single Family 8 (RS8) Multifamily 4 (RM4) Community Facilities (CF)
Miramar Innovation and Technology Center (MITAC)	Traditional Neighborhood Development (TND) Mixed-use Low (ML) Mixed-use High (MH) Neighborhood Business (B1) Community Business (B2) Heavy Business (B3) Single Family 8 (RS8) Multifamily 4 (RM4) Community Facilities (CF)

Policy 2.3.2 Any arrangement of dwelling units on a parcel of land designated for residential use is compatible if the maximum number of dwelling units permitted is not exceeded. The distribution and type of units will be determined by applicable zoning and land development regulations.

Policy 2.3.3 The BCLUP shall be implemented by adoption and enforcement of appropriate local regulations on the development of lands and waters within the jurisdiction of the City of Miramar. No public or private development may be permitted except in compliance with the BCLUP and certified Miramar Land Use Plan.

Policy 2.3.4 Definitions from the BCLUP shall be used to interpret the FLUE of the Comprehensive Plan.

Policy 2.3.5 Locate non-residential land uses along major traffic corridors, so that access to those uses does not generate high traffic volumes on local streets through residential neighborhoods.

Policy 2.3.6 Locate commercial, regional, and community facility land uses (apart from schools) close to major traffic corridors and mass transit routes. Limit vehicular access to collector and arterial streets with sufficient capacity to accommodate the additional traffic volume without causing the road to fall below Level of Service “D”.

Policy 2.3.7 Prevent future strip commercial development by concentrating neighborhood and community commercial land use designations in nodes designed to serve the needs of the surrounding neighborhoods.

Policy 2.3.8 Locate Industrial land uses so that they have direct access to and from major arterials.

Policy 2.3.9 Concentrate regional-scale commercial and industrial development in activity centers with direct access to the regional transportation network.

Policy 2.3.10 Areas surrounding existing and proposed airports/heliports shall promote compatible land uses; utilize Part 150 Study Technical Reports during land use decisions which affect airports/heliports (i.e., Perry Airport); and protect air corridors from obstruction.

Policy 2.3.11 Consider the cumulative and long-term effects of decisions regarding amendments to the both the map (FLUM) and the texts of the FLUE of the City Comprehensive Plan.

Policy 2.3.12 Activity Center residential allocations may be increased by 20% or 500 dwelling units / hotel rooms, whichever is less, every five years via a local land use plan amendment, as stipulated in BCLUP Policy 2.4.1.

Policy 2.3.13 Activity Center non-residential allocations may be increased by 20% or 200,000 square feet, whichever is less, every five years via a local land use plan amendment, as stipulated in BCLUP Policy 2.4.1.

Policy 2.3.14 Establish, by 2030, an Arts, Workforce, and Entertainment District within the RAC. Such a district should run along Red Road and promote mixed-use high-density residential, hotel, and light industrial development.

Objective 2.4

Ensure that all development permits granted are consisted with the City's Comprehensive Plan and Elements.

Policy 2.4.1 Traffic circulation, recreational, drainage and flood protection, potable water, solid waste and sanitary sewer public facilities and services shall be available to meet the established level of service standards, consistent with Chapter 163.3202(g) Florida Statues and the concurrency management policies of Broward County.

Policy 2.4.2 The City will require cumulative transportation impact analysis for all land use plan amendments as part of the review and approval process.

Policy 2.4.3 Local streets and roads should provide safe, adequate access between buildings within the proposed development and the trafficways identified on the Broward County Trafficways Plan prior to occupancy.

Policy 2.4.4 Fire protection service will be adequate to protect people and property in the proposed development.

Policy 2.4.5 Police protection service will be adequate to protect people and property in the proposed development.

Policy 2.4.6 School sites and school buildings will be adequate to serve the proposed development.

Policy 2.4.7 Development does not include a structure, or alteration thereof, that is subject to the notice requirements of Federal Aviation Regulations (FAR), Part 77, Subpart B, unless the Federal Aviation Administration issues, or has issued within the previous ninety days, a written acknowledgment that said structure or alteration would not constitute a hazard to air navigation and does not require increases to minimum instrument flight altitudes within a terminal area, increases to minimum obstruction clearance altitudes, or any other operational modifications at any existing airport or heliport or any planned or proposed airport as described in FAR Part 77.21 (c)(2).

Policy 2.4.8 For parcels that do not require platting, the above policies will be considered at the time of Development Permit Review. In such cases the words “Development Permit” will replace “Plat Approval” wherever it appears above.

Policy 2.4.9 A studio housing unit or efficiency housing unit, no greater than 500 square feet in size may be counted as 0.5 dwelling units for residential density calculations, as stipulated in BCLUP Policy 2.2.5.

GOAL 3 Implementation of the Plan

Promote the advancement of great neighborhoods throughout the implementation of the Goals, Objectives, and Policies of this plan in compliance with the Broward County Land Use Plan and State Regulations.

Objective 3.1 Compliance with Broward County Land Use Plan

Policy 3.1.1 Coordinate concurrency regulations and land use planning activities with the Broward County Land Use Plan.

Policy 3.1.2 Miramar shall adopt land development regulations that require platting at least in those circumstances where this plan requires platting; and such regulations may establish additional standards, procedures, and requirements as may be necessary to regulate and control the platting of lands within the City.

Policy 3.1.2a Prior to plat approval, Broward County and/or the appropriate local government shall ensure that the public facilities and services necessary to meet the level of service standards established within the Broward County Comprehensive Plan and affected municipal comprehensive plan will be available to serve new development.

Policy 3.1.3 An application for a building permit for the construction of a principal building on a parcel of land shall not be granted unless a plat including the parcel or parcels of land has been approved by the Broward County Commission and recorded in the official records of Broward County subsequent to June 4, 1953. The City shall not approve for recordation in the Official Records any plat of lands that is not in compliance with the Broward County Land Use Plan or with the City of Miramar's land use plan.

Policy 3.1.3a This section will not apply to an application for a building permit which meets any of the following criteria:

1. Construction of two or fewer residential dwelling units. Applications for two or fewer residential dwelling units on property under the same ownership, within 500 feet of property exempted within the past twelve (12) months, shall not be exempt. Construction on any multi-family or non-residential lot or parcel which is less than ten (10) acres in size and the majority of which is specifically delineated on a plat recorded on or before June 4, 1953;
2. Construction of a replacement building in which the proposed reconstruction will be utilized for the same general use, is equal to or less than the gross area of the original principal building and will be located within the same general footprint. (For the purpose of this guideline, "original building" means the total gross floor area devoted to the principal use on a parcel as of November 22, 1978. November 22, 1978 was the effective date of the 1977 Broward County Land Use Plan countywide platting requirement.)
3. Construction of single-family, infill development that is deed-restricted to affordable housing for a time period of at least fifteen (15) years. For the purposes of this exemption, infill development shall be defined as, "the development of new housing on scattered vacant sites in a built-up area."
4. A building permit may be issued for a parcel of land for which plat approval has been given by the Board of County Commissioners although the plat has not yet been recorded, provided such authorization is granted in an agreement among the developer, the affected unit of local government and the County. Such agreements shall at a minimum require compliance with the applicable provisions

of plat approval and shall prohibit the issuance of a certificate of occupancy until the plat is recorded. The municipality and county shall be required to make a finding that facilities and services will be available at the adopted level of service standards concurrent with the issuance of the building permit; or

5. A building permit may be issued for an essential governmental facility after preliminary plat review where the Broward County Commission finds that immediate construction of the governmental facility is essential to the health, safety, or welfare of the public and where the Board determines that public facilities and services will be available at the adopted level of service standards concurrent with the impact of the development of the governmental facility. Such a finding shall be made in a resolution if Broward County is the government seeking to construct the facility and issue the permit; and by agreement with the affected units of local government in other circumstances.

Policy 3.1.3b A certificate of occupancy shall not be issued until the plat is recorded. Provided that in addition to meeting the above criteria, the issuance of the building permit shall be subject to all of the following:

1. Compliance with the applicable land development regulations; and
2. Any land within the lot or parcel which is necessary to comply with the Broward County Trafficways Plan has been conveyed to the public by deed or grant of easement.

Policy 3.1.4 Development permits granted by the City of Miramar shall be consistent with the Broward County Land Use Plan.

Policy 3.1.5 For amendments which propose to add 100 or more residential dwelling units to the existing densities approved by the BCLUP, the City shall coordinate and cooperate with Broward County to implement the City's chosen policies, methods and programs to achieve and/or maintain a sufficient supply of affordable housing.

Policy 3.1.5a In addressing amendments which propose to add 100 or more residential dwelling units to the existing densities approved by the BCLUP, the City may include consideration and implementation of the following affordable housing strategies:

a. Programs and policies involving mechanisms such as, but not limited to, impact fees, in lieu fees, and/or public funds, in which the municipality, and/or Broward County, and/ or other appropriate agencies/entities (including, but not limited to, major employers), provide for the construction or supply of affordable housing;
b. Programs and policies involving mechanisms such as, but not limited to, impact fees, in lieu fees, and/or public funds, in which the municipality, and/or Broward County, and/ or other appropriate agencies/entities (including, but not limited to, major employers), provide funding to facilitate the affordable purchase or renting of housing;
c. Programs and policies in which the municipality, and/or Broward County, and/or other appropriate agencies, facilitate the maintenance of the existing supply of affordable housing stock, if any;
d. Property tax abatement programs aimed at preserving or creating affordable housing;
e. Streamlined and reduced-cost permitting procedures for affordable housing;

f. Specific minimum set-aside requirements for new affordable housing construction;
g. Use of appropriate existing public lands, or public land-banking, to facilitate an affordable housing supply;
h. Programs and policies to facilitate the development and use of municipal and/or Broward County affordable housing density bonus provisions;
i. Land development regulations which promote the availability of affordable housing such as reduced lot size and floor area for dwelling units, construction of zero lot line and cluster housing, vertical integration of residential units with non-residential uses, and the allowance of accessory dwelling units; or
j. Utilize the existing supply of affordable housing.

Policy 3.1.5b Demonstrate compliance with BrowardNEXT policies at the time of the County's consideration of the applicable land use plan amendment, by establishing that the City has implemented or ensured adoption of appropriate Policy and program measures to implement its chosen policies, methods and programs to achieve and/or maintain a sufficient supply of affordable housing.

Policy 3.1.5c Estimate the supply of affordable housing utilizing the data and methodology referenced within the "Administrative Rules Document: BrowardNext." For the purposes of this Policy, the term "affordable housing" shall include the meaning as defined by the BCLUP.

Policy 3.1.5d The median annual income estimate utilized to evaluate local conditions and needs should be updated at least yearly.

Policy 3.1.6 The ensure compliance with the provisions of the Broward Land Use Plan, policies AI 1.4.3, CM 1.1.2b, CM 1.1.7a, CM 3.1.4, CM 3.3.7, CM 4.1.8, TM 3.2.1, IC 1.2.5,CON 1.2.3, CON 3.2.1, CON 3.2.2, CON 5.1.3, CON 5.1.4, HP 1.2.3, PR 1.4.3, SWS 2.1.2b, SWS 6.1.3, CON 5.1.5a, SWS 7.4.4, Objectives EDU 1.3, IC 1.2 and their associated policies, are adopted by reference into the Land Use Element.

Policy 3.1.7 Amendments to the City's future land use map requiring amendments to the Broward County Land Use Plan containing golf courses, including closed golf courses, shall address the following:
a. The impact of the loss of open space on the surrounding residential areas. The loss of open space must be mitigated through provision of parks and open space to serve the surrounding neighborhood.
b. Management of storm water retention taking into account the extent to which the golf course provided storm water retention for the surrounding development and how this will be mitigated, along with any additional storm water impacts created by the new development.
c. Minimization of the impact on natural resources including wetlands, lakes, aquifer recharge areas and the tree canopy, including any historic trees on the site.
d. Mitigation of environmental contamination. The level of environmental contamination must be determined by conducting a Phase 1 environmental assessment. A Phase 2 environmental assessment may be required based upon the findings of the Phase 1 assessment.
e. Integration of the proposed development with the surrounding areas including how the development will tie into the existing neighborhoods through roads, sidewalks, parks/open space and greenways. (Cross-reference BCLUP POLICY 2.5.5).

Policy 3.1.8 The City's land use plan shall map and maintain a current list of historically, architecturally and archaeologically significant properties and address the protection of these historic resources. (BCLUP Policy 2.30.1)

Policy 3.1.9 Continue to adhere to the Broward County Planning Council's certification and recertification process established within the Broward County Charter to ensure the land use plans of Broward County's local governments are in substantial conformity with the Broward County Land Use Plan and implement the procedures identified within the "Administrative Rules Document: BrowardNEXT." (BCLUP Policy 2.33.1.)

Policy 3.1.10 Continue to adhere to the Broward County Land Use Plan to further the consistency and compatibility among the land use plans of Broward County's local governments through the Broward County Planning Council's certification and recertification process. (BCLUP Policy 2.33.2.)

Policy 3.1.11 The City's land use plans and plan amendments shall successfully complete the Chapter 163, Florida Statutes local comprehensive plan review process prior to their certification or recertification by the Broward County Planning Council. (BCLUP Policy 2.33.3)

Objective 3.2: Implementation of the Comprehensive Plan and the FLUM

Policy 3.2.1 Continue to enforce criteria for reviewing and making recommendations regarding the adoption of amendments to the FLUM.

Policy 3.2.2 The City's short-term planning horizon shall be 5 years and the long- term shall be 2045. The Future Land Use Map shall contain an adequate supply of land in each district to meet the demands of the existing and future population up to the projected 2045 population, and the City shall ensure that infrastructure and services are or will be made available to meet the needs of this projected population.

Policy 3.2.3 Continue to utilize the development review process to implement its standards and criteria for construction and operation of stormwater management to provide for drainage and to control seasonal and/or periodic flooding in the City.

Policy 3.2.4 Continue to implement flood hazard standards to safeguard the public health, safety, and to minimize public and private losses due to flooding through regulation of development in flood hazard areas.

Policy 3.2.4a Consider amending the LDC to allowing a maximum freeboard requirement without penalty for height to allow flexible adaptability of the ground floor and sea level rise resilience.

Policy 3.2.5 The development review process shall continue to be used to review development permits in accordance with adopted goals, objectives, and policies of the Plan to ensure that new developments are compatible with surrounding land uses and provide for adequate municipal services to mitigate any development related impacts.

Policy 3.2.6 Continue to review the FLUM to ensure consistency with the BCLUP future map series.

Objective 3.3 Coordination of Water Supply Planning and Land Use Planning

Coordinate water supply planning and land use planning activities of the City with municipalities receiving water from the City and providing water to the City to ensure that water needs of the City's residents are met.

Evaluation Measure 3.3 Implementation of water supply projects described in the 10-Year Water Supply Facilities Work Plan.

Policy 3.3.1 Maintain a 10-Year Water Supply Work Plan which shall be updated within eighteen (18) months of any update to the regional plan adopted by the SFWMD pursuant to Section 163.3177(6)(c), F.S.

Policy 3.3.2 Maintain consistency between the demand calculations in the Water Supply Facilities Work Plan and the population projections contained in this element.

Policy 3.3.3 Monitor water demand needs and land use planning in municipalities receiving water from the City and providing water to the City.

Policy 3.3.4 Assess the Water Supply Facilities Work Plan as part of the Evaluation and Appraisal Report analysis, when possible.

Policy 3.3.5 Work with Broward County and other municipalities to update the Broward County Population Forecasting Model. Wholesale user agreement shall meet the demand projected by the Broward County Population Forecasting Model. Monitoring of population projections for retail customers outside the City limits will be accomplished through the Broward County Population forecasting Model and annual confirmation of those projections with each City.

Policy 3.3.6 Coordinate with Broward County and its municipalities to pursue the establishment of mandatory reuse zones in order to require the use of reclaimed water for irrigation, when source water is available, with the goal of reducing demands on the Biscayne Aquifer. (Cross-reference BCLUP POLICY 2.11.3.)

Objective 3.4 - Coordination of Transportation and Land Use Planning
Promote Mixed Use and coordinate City land use planning with transportation planning activities of the City, County and State to ensure that regional roadway network levels of service are met.

Evaluation Measure 3.4 Comprehensive Plan amendments processed to achieve consistency with the Broward County Transportation Element.

Policy 3.4.1 For those portions of the Regional Roadway network located within the City of Miramar, the City shall adopt levels of service and concurrency management consistent with the Broward County Transportation Element.

Policy 3.4.2 Utilize the highway capacity methodology endorsed by the Broward County Metropolitan Planning Organization (MPO) and the Broward County Commission to determine capabilities and levels of service on the Regional Roadway Network.

Policy 3.4.3 Continue to consider the individual and cumulative impacts of land use amendments on the existing and planned transportation facilities within the County.

Policy 3.4.4 Provide for residential mixed land use designations which allow a combination of residential, commercial, employment based, and other appropriate uses as described in the permitted uses section of the FLUE.

Policy 3.4.5 Mixed-use residential development shall promote an urban form which creates well integrated land use combinations, balances intensity and density, and promotes the safe, interconnectivity of vehicular, pedestrian, and other non-motorized movement. Policies should integrate the public realm, through open space, urban public plazas and/or recreational areas.

Policy 3.4.6 Amend the LDC to include appropriate design standards to ensure a mixed-use

development is compatible with adjacent existing land uses and adjacent adopted future land use designations.

Policy 3.4.7 Support access control regulations for the protection of the regional roadway network and Broward County Trafficways Plan.

Policy 3.4.7a Adopt and implement land development regulations in its LDC to provide for the reservation and acquisition of rights-of-way sufficient to meet the requirements of the Broward County Trafficways Plan.

Policy 3.4.7b To protect the transportation corridors identified on the Broward County Trafficways Plan, Miramar shall require that development is set back from identified rights-of-way when issuing development orders, while providing an administrative relief process to ensure such set back does not deny all beneficial use of the property proposed for development.

Policy 3.4.7c At the time of plat recordation rights-of-way shall be conveyed to the public by deed or easement sufficient to address the impact of development on transportation needs and to meet the requirements of the Broward County Trafficways Plan.

Objective 3.5 - Coordination of Land Use and Airport/Heliport Planning
Ensure that incompatible land uses Identified and reduced adjacent to existing and proposed airport/heliport facilities.

Evaluation Measure 3.5 Interlocal agreements executed with local governments with jurisdiction over lands under noise contours and flight paths of North Perry Airport.

Policy 3.5.1 Areas surrounding existing airports shall be developed or redeveloped to promote compatible land uses consistent with the elements of the City Comprehensive Plan and affected elements of other local plans.

Policy 3.5.2 Development orders shall not be issued for land uses or structures that are incompatible with airport uses and/or create a hazard to air navigation.

Policy 3.5.3 The recommendations of adopted Part 150 Study Reports shall be taken into consideration during land use decisions affecting airports and their adjacent areas as part of the City development review process.

Policy 3.5.4 Protect navigable airspace regulated by the Federal Aviation Administration (FAA) from obstruction.

Policy 3.5.5 Post noise contour data and noise abatement information for North Perry Airport on the City's website.

Policy 3.5.6 All classroom areas located within the City shall comply with the noise level requirements of F.A.R. Part 150 (Appendix), as amended from time to time, and all schools located within the City shall comply with the requirements of Section 333.03 (2) (c), (2)(c) and (3), F.S.

Objective 3.6 – Recertification

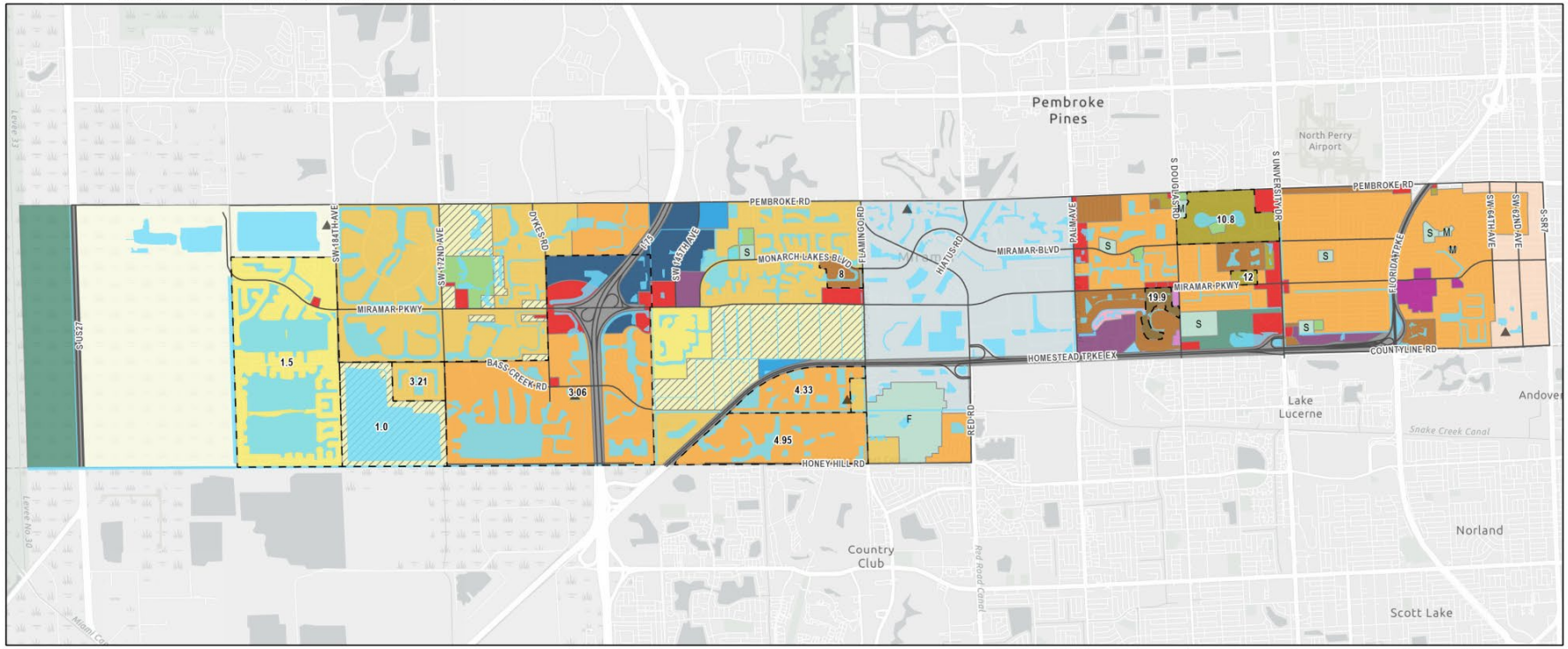
Continue to maintain a Comprehensive Plan certified by Broward County as implemented by the procedures in the Administrative Rules Document: Broward County Land Use Plan by incorporating the relevant Objectives and Policies of the Broward County Land Use Plan into the City's Land Use Element to facilitate Certification of the City's Comprehensive Plan.

Policy 3.6.1 Continue to adhere to the Broward County Planning Council's certification and recertification process established within the Broward County Charter to ensure the land use plans of Broward County's local governments are in substantial conformity with the Broward County Land Use Plan and implement the procedures identified within the "Administrative Rules Document: BrowardNEXT." (BCLUP Policy 2.33.1.)

FUTURE LAND USE MAP (CURRENT)

2300 CIVIC CENTER PLACE | MIRAMAR, FL 33025 | WWW.MIRAMARFL.GOV

EXHIBIT A



LEGEND

- RURAL
- ESTATE (1 DU/AC)
- LOW 2
- LOW 3
- LOW 5
- LOW MEDIUM 10
- MEDIUM 16
- MEDIUM HIGH 25
- COMMERCIAL
- INDUSTRIAL
- EMPLOYMENT CENTER
- OFFICE PARK
- MIRAMAR INNOVATION & TECH ACT CNTR
- TRANSIT ORIENTED CORRIDOR
- REGIONAL ACTIVITY CENTER
- COMMERCIAL RECREATION
- INSTITUTIONAL & PUBLIC FACILITY
- RECREATION & OPEN SPACE
- RESERVE WATER SUPPLY AREA
- UTILITIES

INFORMATIONAL

- IRREGULAR
- Transportation
- Miramar Waterbodies
- ▲ Known Archeological Sites

Institutional & Public Facilities
S = School
F = Federal
M = Municipal

Map Updated: 09/16/2021 | Ord. 21-20

N

0 0.5 1 2 Miles

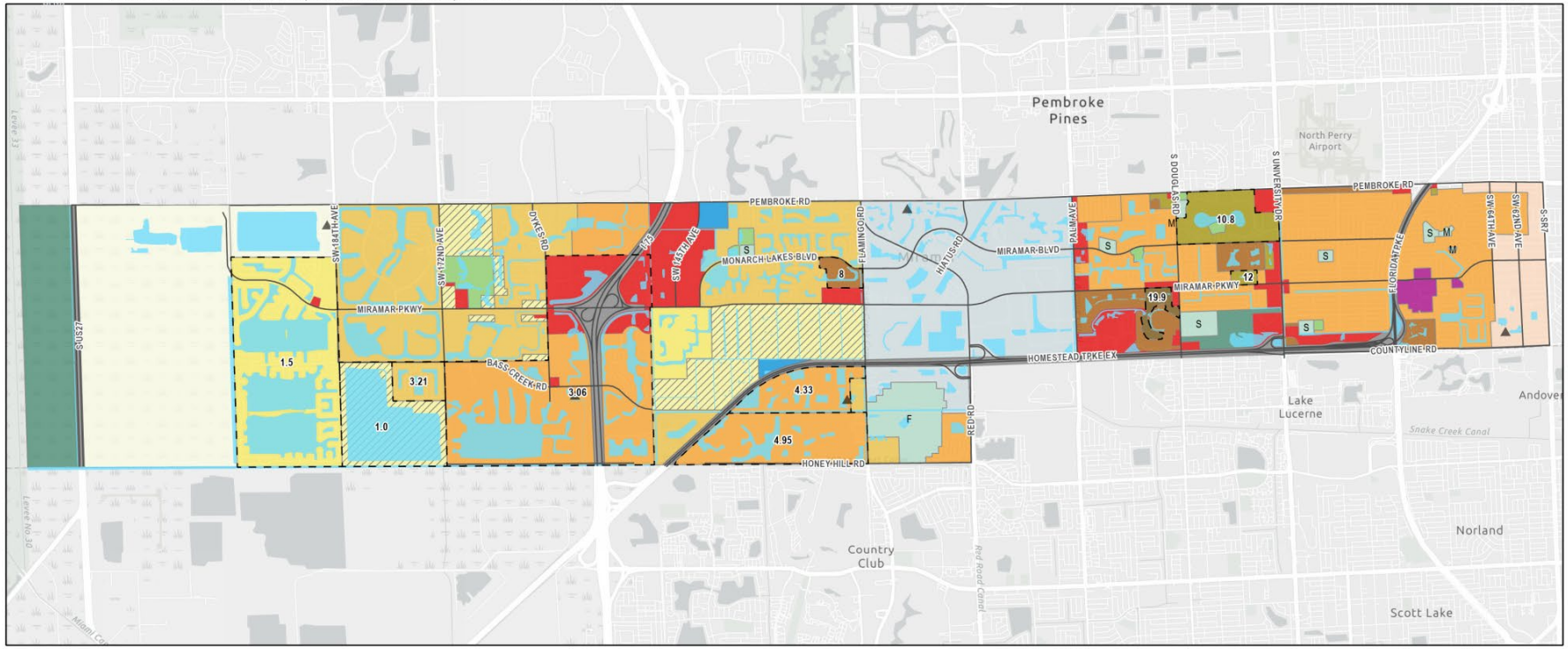
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Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

EXHIBIT B

PROPOSED 2045 FUTURE LAND USE MAP

2300 CIVIC CENTER PLACE | MIRAMAR, FL 33025 | WWW.MIRAMARFL.GOV



LEGEND

- RURAL
- ESTATE (1 DU/AC)
- LOW 2
- LOW 3
- LOW 5
- LOW MEDIUM 10
- MEDIUM 16
- MEDIUM HIGH 25
- COMMERCE
- INDUSTRIAL
- MIRAMAR INNOVATION & TECH ACT CNTR
- TRANSIT ORIENTED CORRIDOR
- REGIONAL ACTIVITY CENTER
- INSTITUTIONAL & PUBLIC FACILITY
- RECREATION & OPEN SPACE
- RESERVE WATER SUPPLY AREA
- UTILITIES

INFORMATIONAL

- IRREGULAR
- Transportation
- Miramar Waterbodies
- ▲ Known Archeological Sites

Institutional & Public Facilities
S = School
F = Federal
M = Municipal

Proposed Changes:04/30/2025

N

0 0.5 1 2 Miles

K:\ArcGIS_Pro\Projects\MiramarLandUse_Zoning

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

II. ~~Transportation~~ Mobility Element

Goal I

~~Protect, maintain, and where feasible improve the City of Miramar transportation system in a manner that provides for safety and security, convenience and energy efficiency; that coordinates and balances the transportation system with the state, regional and countywide multi-modal plans, programs and systems; that is considerate of sensitive environmental issues and areas; and that addresses the transportation needs of present and future populations including the transportation disadvantaged.~~

Provide a range of transportation choices to users of all ages and abilities in the City of Miramar. Implementation should incorporate land use context, context-sensitive mobility solutions, safety, and economic redevelopment opportunities in the City.

~~**Concurrency Objective 1**~~

~~The City of Miramar, in coordination with the transportation planning efforts of the State of Florida, Broward County, SFRPC, MPO, and adjacent municipalities shall continue to maintain and, where feasible, improve the functional relationship between the transportation system and applicable future land use maps to ensure that transportation modes and services meet the transportation needs of existing and future population densities, housing and employment patterns, and land uses.~~

Objective 1.1

Address transportation options for all walks of life and implement mobility by providing a comprehensive multi-modal transportation system that includes walking, bicycling, transit, and roadways.

~~**Evaluation Measure 1**~~

~~Reduction of road segments that are approaching overcapacity or are overcapacity.~~

~~Policy 1.1 The City shall be divided into Concurrency Districts. Each District shall be one of the following types:~~

~~1. A Transportation Concurrency Management Area (TCMA) shall be a compact geographic area with an existing network of roads where multiple, viable alternative travel paths or modes are available for common trips. An area-wide level of service standard shall be established for this District, for the purpose of issuing development orders and permits, based on how mobility will be accomplished within the Area. The portion of the City situated between I-75 and the Florida Turnpike is located within the South Central Concurrency District TCMA. The portion of the City situated east of the Florida Turnpike is located within the Southeast Concurrency District TCMA.~~

~~2. A Standard Concurrency District shall be an area where roadway improvements are anticipated to be the dominant form of transportation enhancement. A roadway level of service standard shall be established for each such District, based on the peak hour standard volumes contained in the Florida Department of Transportation Level of Service Manual for this District lying west of Interstate 75. The portion of the City situated west of I-75 is located within the Standard Southwest Concurrency District.~~

~~3. Roadway facilities forming the boundary of a Concurrency District are part of that District.~~

~~Policy 1.2 All Standard Concurrency Districts within the City and County shall also be considered Transportation Concurrency Exception Areas (TCEAs) per the 2009 amendment to Senate Bill 360.~~

~~1. TCEAs are designated such as of July 8, 2009. Within 2 years of the TCEA designation (by July 8, 2011), the City shall adopt comprehensive plan amendments and transportation strategies to support and fund mobility within the TCEA.~~

~~Policy 1.3 If the Standard Concurrency District/TCEA is converted into a TCMA, then the Comprehensive Plan will be amended to recognize the change to TCMA.~~

~~Policy 1.4 The concurrency management system shall establish the following transportation level of service (LOS) standards:~~

Policy 1.1.1 Prioritize transportation modes with consideration to environmental, social, accessibility and equity factors.

Policy 1.1.2 Apply the following hierarchy when assessing impacts of new development, redevelopment, and when making mobility decisions.

1. Walking

2. Nonmotorized and Bicycling
3. Public Transit
4. High Occupancy Vehicles
5. Service & Freight
6. Taxi, Car Sharing, Private Transit
7. Private Automobile

Policy 1.1.3 Use this Comprehensive Plan and the Mobility Plan to identify capital projects, maintenance projects, and/or improvements to be provided in conjunction with redevelopment and new development.

Policy 1.1.4 On an annual basis the City shall develop and maintain a 5-Year Capital Improvements Program which schedules transportation improvements within the City.

Policy 1.1.5 Incorporate adequate public facilities, such as sidewalks and bike routes into the transit network to provide access for all users and promote multimodal connectivity.

Policy 1.1.6 The City shall implement land use policies and standards which encourage connectivity between all modes of transportation and improve access to and availability of low carbon emission mobility options.

Policy 1.1.7 Develop, through the Land Development Code, mechanisms to provide opportunities for infill and redevelopment to improve transit corridors, including but not limited to, nodes of higher density and Transit Oriented Developments.

Policy 1.1.8 Continue to monitor, evaluate, maintain and improve, as appropriate, City-maintained streets. Strive to resurface City-maintained streets at a rate of seven miles per year.

Policy 1.1.9 The City shall minimize the need for roadway width expansion, except where needed to improve mobility for bicycles, micromobility or other alternative mobility options and sharing services and pedestrians or to effect intersection improvements and continue to direct efforts towards Complete Streets implementation.

Policy 1.1.10 Prioritize funding for projects that support reduction in greenhouse emissions, reduce roadway congestion, and encourage multimodal travel.

Policy 1.1.11 The City shall continue to provide community shuttle service for residents, such as supporting and enhancing the Miramar Community Bus.

Policy 1.1.12 Maintain and enhance the roadway system to ensure adequate connectivity and mobility in the City of Miramar, as well as develop safe systems that prioritize safety and protect vulnerable road users.

Policy 1.1.13 Require all new development and redevelopment to provide accessible routes between entry points to publicly accessible buildings, parking areas, and existing sidewalks, in accordance with the Americans with Disabilities Act (ADA).

~~**Transportation Concurrency Management Areas**~~

~~1. Within the Transportation Concurrency Management Areas, the transportation LOS standards, for the purpose of issuing development orders and permits, are to achieve and maintain the following by FY 2013:~~

~~a. Southeast TCMA District - Maintain headways of 30 minutes or less on 80% of routes. Establish and maintain service at one or more neighborhood transit centers. Increase peak-hour weekday fixed- route transit ridership by 24 percent from FY 2009 to FY 2013.~~

~~b. South Central TCMA District - Maintain headways of 30 minutes or less on 80% of routes.~~

~~Establish and maintain service at two or more neighborhood transit centers. Increase peak-hour weekday fixed- route transit ridership by 22 percent from FY 2009 to FY 2013. Maintain the current number of community bus routes through 2013.~~

~~c. Overall – Increase number of bus stop shelters by 25 percent from FY 2009 to FY 2013. Traffic volumes on arterial roadways in each District shall remain less than the maximum service volumes as displayed below. These volumes do not apply to Strategic Intermodal System (SIS) and Transportation Regional Incentive Program-funded roadway facilities and cannot be used in a manner that would result in interference with mainline operations on SIS roadway corridors. The City will coordinate with the County and FDOT during 2009 to revise downward the volumes in this table.~~

~~Peak Hour Two Way Maximum Service Volumes~~	
~~Two-lane Arterials~~	~~2,555~~
~~Four-lane Arterials~~	~~5,442~~
~~Six-lane Arterials~~	~~8,190~~
~~Eight-lane Arterials~~	~~10,605~~

~~**The Maximum Service Volumes are calculated from "Generalized Peak Hour Two-Way Volumes for Florida's Urbanized Areas", published by the Florida Department of Transportation, as 75% above the volumes for Class II State Two- Way Arterials, for Level of Service D, for all other Districts.*~~

Objective 1.2

Encourage the use of all modes of travel through the implementation of the City's Mobility Plan and other mobility strategies, including, but not limited to, complete streets design principles, equity and inclusions considerations, and Transportation Demand Management (TDM).

Policy 1.2.1 Prioritize overall mobility over traditional vehicular LOS, when the vehicular LOS is within an acceptable level. Measures for pedestrian, bicycle and vehicular LOS should be considered. The Mobility Plan shall focus on reduction of VMT rather than prioritizing higher speeds and the reduction of vehicular delay.

Policy 1.2.2 To the maximum extent possible, the City shall ensure through setting of appropriate goals in the Mobility Plan and adopt those goals by reference into its Comprehensive Plan that:

- sidewalks exist along all City-maintained streets and future programmed projects
- sidewalks be installed and/or repaired as part of any State or County highway widening, road dieting or transportation improvement projects
- ensure all public and private improvements address American with Disabilities Act (ADA) requirements
- reduce the number of missing pedestrian connections
- reduce the number of missing bicycle connections
- increase mobility services that accommodate all residents
- reduce gaps in mobility services provided by the city

Policy 1.2.3 The City shall maintain a facilities list, within the City's Mobility Plan, of the following facilities:

- pedestrian improvements and a prioritized inventory of missing pedestrian links within the City, inclusive of location and infrastructure needs for each missing link
- existing bicycle infrastructure, and a prioritized inventory of missing bicycle links and facilities within the City, inclusive of location and infrastructure needs for each missing link.
- existing rights-of-way in the City, and regularly evaluate the City's roadway network.
- mobility service improvements with an emphasis on areas within the City that have gaps in services

- community shuttle routes and a prioritized inventory of missing routes or future route extensions

Policy 1.2.4 Ensure a complete network that provides for bicycling options and micromobility options as a viable primary modal choice.

Policy 1.2.5 Ensure a community shuttle network that provides each area of the city route options to create a viable primary modal choice.

Policy 1.2.6 The City shall consider opportunities and incentives for the provision of appropriate facilities to support bicycling, micromobility or other alternative mobility options and sharing services, such as showers, lockers and bicycle parking by new development.

Policy 1.2.7 Conduct periodic reviews of City roadway system operation to identify problem areas with potentially low-cost Congestion Management System (CMS) solutions such as restricting left turns, reversible lanes, etc.

Policy 1.2.8 Continue to enforce the provision of the City's Code of Ordinances, which requires the construction of a sidewalk where one does not exist by adjacent property owners in connection with improvements totaling in excess of $5,000.00.

Policy 1.2.9 Evaluate and amend the City's Land Development Regulations to ensure that procedures for implementing identified funding mechanisms for transit improvements are consistent with all applicable project criteria of the Broward MPO's Long Range Transportation Planning Process.

Policy 1.2.10 Pursue grants and other funding opportunities for the implementation of pedestrian and bicycle facilities, including, but not limited to, land acquisition. Utilize proceeds from the one-percent surtax for transportation allocated by the County under the Transportation Surtax Plan for mobility strategies.

Policy 1.2.11 Periodically update City's Mobility Plan to account for adjustment of the overall mobility needs of all users, including people walking, biking, taking transit, and driving. The Mobility Plan shall outline a range of improvements needed to foster mobility and include evaluation measures to assess the mobility impacts of new development and redevelopment. Implementation of the City's mobility strategies should create the desired vision described in Goal 1.

Policy 1.2.12 Update the City's Mobility Plan to include walking and biking mobility strategies, which consider the locations and physical characteristics of existing facilities and determine the location and characteristics of needed future facilities.

Policy 1.2.13 The walking and biking mobility strategies shall identify needed improvements to the walking and biking network to provide continuous safe and accessible routes to schools, transit, employment centers, recreational facilities, regional trails, and neighborhoods. The strategies shall identify gaps in the existing network.

Policy 1.2.14 Consider and implement the following principles within the Mobility Plan:

- Complete Streets Policy and implementation guide
- Cross access between adjacent properties
- Access management
- Create a complete and connected network of walkways in the City
- Create a complete and connected network of bikeways in the City

- Transit opportunities through BCT, in conjunction with neighboring and regional transit services, such as but not limited to Tri-Rail, Brightline, Miami-Dade Transit, and other providers
- Freight mobility
- Transportation Demand Management
- Historic Miramar neighborhood considerations
- Parking planning
- Equity and inclusion considerations

~~Standard Concurrency Districts~~

~~2. Within the Standard Concurrency Districts, the transportation LOS standards, excluding SIS and Transportation Regional Incentive Program- funded roadway facilities, for the purpose of issuing development orders and permits are the generalized two-way peak-hour LOS D standard volumes depicted below, Level of Service Manual, Florida Department of Transportation (2002).~~

~~a. Southwest District (Standard) – the generalized two-way peak-hour LOS "D" standard volumes depicted on Table I below, Quality/Level of Service Handbook, FDOT (2002).~~

~~Table I~~
~~Generalized Peak Hour Two-Way "LOS D" volumes for Florida's Urbanized Areas~~

~~Lanes~~	~~2-lane Undiv.~~	~~4-lane Div.~~	~~6-lane Div.~~	~~8-lane Div.~~	~~10 Div.~~	~~12 lanes~~
~~State 2-way Arterials Uninterrupted Flow~~	~~1,720~~	~~5,870~~	~~8,810~~	~~---~~	~~---~~	~~---~~
~~Interrupted Flow Class I (0 to 1.99)~~	~~1,560~~	~~3,390~~	~~5,080~~	~~6,440~~	~~---~~	~~---~~
~~Interrupted Flow Class I (2.00 to 4.50)~~	~~1,460~~	~~3,110~~	~~4,680~~	~~6,060~~	~~---~~	~~---~~
~~Interrupted Flow Class III~~	~~1,200~~	~~2,750~~	~~4,240~~	~~5,580~~	~~---~~	~~---~~
~~Interrupted Flow Class IV~~	~~1,310~~	~~2,880~~	~~4,350~~	~~5,690~~	~~---~~	~~---~~
~~Freeways, Group 1~~	~~---~~	~~6,510~~	~~10,050~~	~~13,600~~	~~17,160~~	~~20,710~~
~~Freeways, Group 2~~	~~---~~	~~6,250~~	~~9,840~~	~~13,420~~	~~16,980~~	~~20,560~~
~~Non-State Roadways Major City/County Rd~~	~~1,390~~	~~2,950~~	~~4,450~~	~~---~~	~~---~~	~~---~~
~~Other Signalized Rds.~~	~~950~~	~~2,070~~	~~---~~	~~---~~	~~---~~	~~---~~

~~Source: Broward County Transportation Element 2006 Comprehensive Plan~~

~~Strategic Intermodal Systems~~

~~3. The level of service standards for roadways on the SIS, including connectors, and roadway facilities funded in accordance with Section 339.2819 F.S., the Transportation Regional Incentive Program (TRIP), shall be set forth in Rule 14-94, FAC, summarized below. These standards shall apply for the purpose of issuing development orders and permits.~~

~~TABLE II~~
~~MIRAMAR SIS FACILITIES~~

	~~Roadway~~	~~Roadway Segment~~	~~LOS Standard*~~

SIS CORRIDORS	Florida Turnpike & Homestead Extension	Miami-Dade County line to Palm Beach County line	D
	Interstate 75	Miami-Dade County line to Pembroke Rd	D
	US 27	Miami-Dade County line to Pembroke Rd	D
SIS CONNECTORS	Sheridan Street Tri- Rail Station**	I-95 to N 29th Avenue to entrance	D
TRIP-FUNDED FACILITIES* **	State Road 7 from North of Miramar Pkwy to north city limits	State Road 7/U.S. 441 from NE/NW 215th Street (Miami- Dade County) to north city limits	D
	State Road 7/U.S. 441 from South of Miami- Dade County Line to north city limits	State Road 7/U.S. 441 from NE/NW 215th Street (Miami- Dade County) to north city limits	D

* The level of service letter designations are defined in FDOT's 2002 Quality/Level of Service Handbook unless an alternate (as refined through identified mobility strategies) standard is agreed to in writing by FDOT.

** Sheridan Street Tri-Rail Station not within the City of Miramar.

*** Broward County should coordinate with FDOT on the setting of the level of service standard for facilities that receive TRIP funding. The presumption is that LOS D will apply as soon as the improvement is programmed for implementation; however, an alternate standard may be adopted in TCMAs if agreed to in writing by FDOT.

Policy 1.5 The transportation LOS standards for the purpose of long range transportation planning shall be:

1. For SIS and Transportation Regional Incentive Program-funded Facilities, the LOS standards as identified in policy 1.4 (3)/Table II.

2. For roadways not on the SIS (including connectors), and not funded in accordance with Section 339.2819 F.S. (TRIP), the generalized two-way peak hour LOS "D" standard volumes depicted in TABLE I Quality/Level of Service Handbook, Florida Department of Transportation (2002)

3. When LOS standards are developed for SIS connectors, the City will evaluate adoption of these standards.

4. To assist in maintaining SIS level of service standards in the future, the City shall also consider strategies such as improvements to or the creation of parallel facilities, encouraging use of alternate modes of travel, and supporting travel demand management techniques.

Policy 1.6 Based on recommendations by the MPO, the Broward County Commission shall adopt a five-year County Transit Program (CTP) that is projected to achieve the level of service standards for each District listed in Policy 1.4 (1). The County Commission shall ensure that the CTP is a financially feasible plan. The CTP shall be updated annually. Any change in the level of service standards requires an amendment to the Transportation Element of the Broward County and City Comprehensive Plans.

Policy 1.7 Prior to application for a building permit, the applicant shall obtain a Transportation Concurrency Satisfaction Certificate from Broward County. The City will not accept a building permit application, nor issue a building permit, unless the corresponding Transportation Concurrency Satisfaction Certificate has been presented. The County

Commission may adopt land development regulations which exempt from these requirement categories of building permits that clearly do not create additional transportation impacts.

Policy 1.8 Broward County shall issue a Transportation Concurrency Satisfaction Certificate, relative to a building permit application, under any of the following circumstances:

1. If the building permit application is on property within a recorded plat that was approved by the County Commission on or after March 20, 1979; and the building permit application is consistent with the level of development under which the plat is currently approved by the County Commission; and the County Commission's finding of satisfaction of transportation concurrency for the plat has not expired; and the plat is not in violation of an agreement with Broward County with respect to transportation concurrency.

2. If the building permit application is on property for which Broward County has made a finding of vested rights with respect to transportation concurrency; and the building permit application is consistent with the level of development under which the plat was approved by the County Commission; and the plat is not in violation of an agreement with Broward County with respect to transportation concurrency.

3. If the building permit application is for property within, and for development in accordance with and as authorized by, an approved Development of Regional Impact (DRI) or a Florida Quality Development (FQD) development order which development order was either issued prior to the adoption of the 1989 Broward County Comprehensive Plan or was issued after being reviewed for, and satisfying, Broward County's transportation concurrency requirements.

4. If the building permit application is for property within a TCMA district; and the applicant has paid to Broward County a Transit Concurrency Assessment, as described in Policy 1.20, for the development proposed in the building permit application.

5. If the building permit application is for property within a TCMA; and the application is for an addition to, replacement of, or renovation to a residential building, and does not increase the number of dwelling units within that building nor change the type of units.

6. If the building permit application is for property within the TCMA; and the application is for an addition to, replacement of, or renovation to a non- residential building, and does not increase the number of peak-hour trips generated by the building.

7. If the building permit application is for property within a Standard Concurrency District; and the application is for property within a recorded plat that was approved by the County Commission; and a finding of satisfaction of transportation concurrency was made for that plat by the County Commission in accordance with Policy 1.9 and has not expired; and the building permit application is consistent with the level of development under which the plat is currently approved by the County Commission; and the plat is not in violation of an agreement with Broward County with regard to transportation concurrency.

8. If the building permit application is for property within a standard concurrency district, and the property is not within a recorded plat that was approved by the County Commission on or after March 20, 1979, and the City is not requiring platting or replatting with regard to this building permit application. Broward County may require written evidence from the City that platting or replatting is not required.

9. If the building permit application is for development that promotes public transportation, which means development that directly affects the provision of public transit, including transit terminals, transit lines and routes, separate lanes for the exclusive use of public transit services, transit stops (shelters and stations), and office buildings or projects that include fixed-rail or transit terminals as part of the building.

10. Policies 1.8 #5 and 1.8 #6 may be modified, so that if a building permit application with the City is for property within a TCMA, and said property is unplatted or platted prior to March 20, 1979, then the applicant shall be subject to a Transit Concurrency Assessment based on the total peak-hour trips generated by the use proposed in the building permit application, regardless of the prior use permitted or built on the property. This option can only be exercised by a municipality adopting such a provision in its Comprehensive Plan

11. The County Commission may, by ordinance, provide that a Transportation Concurrency Satisfaction Certificate shall be issued, relative to a building permit application, if the proposed

development is a project which promotes public transportation and is located within a Regional Activity Center as described in and defined by the Broward County Comprehensive Plan, and is within an area that contains major public and private postsecondary institutions of higher learning. The impact of the proposed development on the SIS, as defined in Section 338.001, F.S., shall be considered in issuing said Certificate.

Policy 1.9 Within Standard concurrency districts, the concurrency management system shall provide that a finding of satisfaction of transportation concurrency be made, when a roadway exceeds its adopted LOS standard provided one or more of the following mitigation measures apply:

1. The proposed development does not place any trips on, or create any, overcapacity links within the impact area. The impact area is a circular area, centered on the proposed development site, with a radius determined by the scale of the proposed development.

2. There is an approved action plan to accommodate the traffic impact of the development, and implementation of the plan has been committed to in a written agreement approved by the property owner(s), the appropriate municipality, and the County Commission.

3. The necessary improvements to provide a LOS "D" are under construction at the time a permit is issued.

4. The necessary improvements to provide LOS "D" are the subject of a binding executed contract for the construction of the facilities.

5. The necessary improvements for the LOS "D" have been included in the first two (2) years of the adopted state or county five-year schedule of transportation improvements and the applicable government entity makes a determination that a binding contract for the implementation of said improvements will be executed no later than the final day of the second fiscal year of the original schedule.

6. The necessary improvements for the LOS "D" have been included in the first two (2) years of the adopted municipal five-year schedule of transportation improvements and the municipality has entered into an interlocal agreement with the County, which interlocal agreement will include assurances by the municipality, upon which the County may rely, that at the time a development permit is issued, the necessary facilities and services are the subject of a binding executed contract which provides for the commencement of the actual construction of the required facilities or the provision of services within one year of the issuance of a building permit.

7. The necessary facilities and services for LOS “D” are guaranteed in an enforceable development agreement. An enforceable development agreement may include, but is not limited to, development agreements pursuant to Section 163.3220, Florida Statutes, or an agreement or development order issued pursuant to Chapter 380, Florida Statutes; provided that road improvements required by a Development of Regional Impact (DRI) development order shall not be considered for concurrency determinations for the property outside the DRI boundaries unless conditions 3., 4., 5., or 6. above apply.

8. The proposed development is found to have vested rights with regard to any affected road segment in accordance with the provisions of Chapter 163, Part II, Florida Statutes, or a common law vested rights determination made as to that road segment in accordance with procedures set forth within the land development regulations adopted by the Board of County Commissioners. The proposed development must meet concurrency for any road segment for which a vested rights determination has not been made.

9. An impact of one single family home or duplex will constitute a de minimis impact on all roadways regardless of the level of deficiency on the roadway. Further, no impact will be de minimis if it would exceed the adopted LOS standard of any affected designated hurricane evacuation routes.

10. The proposed development is for property within, and for development in accordance with and as authorized by, an approved Development of Regional Impact (DRI) or a Florida Quality Development (FQD) development order which development order was either issued prior to the adoption of the 1989 Broward County Comprehensive Plan or was issued after being reviewed for, and satisfying, Broward County=s transportation concurrency requirements.

11. The proposed development would promote public transportation, which means development that directly affects the provision of public transit, including transit terminals, transit lines and routes,

separate lanes for the exclusive use of public transit services, transit stops (shelters and stations), and office buildings or projects that include fixed-rail or transit terminals as part of the building. Said finding shall be made by the County Commission at the time of approval of an application for a plat, an amendment to the restrictive note on the plat, or the placement of a restrictive note on the plat, or a new finding of adequacy for a plat.

Policy 1.10 The Transit Concurrency Assessment shall be calculated as the total peak-hour trip generation of the proposed development, multiplied by a constant (for each year) dollar figure for each District that represents the cost per trip of all the TDP enhancements in that District. The County Commission may adopt land development regulations which enable exemption from the assessment calculation of high-cost transit projects, such as fixed-guideway facilities.

Policy 1.11 The Broward County Commission shall adopt land development regulations, which provide for credits against the Transit Concurrency Assessment for approved site plans which contain features intended to significantly encourage transit usage.

Policy 1.12 The Broward County Commission may adopt land development regulations, which provide for a waiver of the Transit Concurrency Assessment for affordable housing projects, and for applications by a government agency for the construction of public buildings which will directly serve the health and/or safety needs of the public, provided that all such waived Assessments are paid from a designated source.

Policy 1.13 The City may adopt land development regulations which provide for a waiver of the Transit Concurrency Assessment for a class of development on property within Miramar, provided that all such waived Assessments are paid to Broward County by the City, or by a source designated by the City.

Policy 1.14 The revenues from the Transit Concurrency Assessments shall be used solely to fund the enhancements within the CTP which are in the District corresponding to the location of the proposed development. However, the Broward County Commission may adopt land development regulations, which set aside up to five percent of such revenues for the following purposes:

1. To serve as the designated funding source for waivers granted under Policy 1.12.; and/or
2. To fund costs of administering the concurrency management system and developing the CTP.

Policy 1.15 Prior to the approval of any application for a plat, an amendment to the restrictive note on the plat, or the placement of a restrictive note on the plat, for property within a Transportation Concurrency Management Area, the County Commission shall make a finding that the appropriate District satisfies at least one of the following standards:

1. The District does not contain two parallel and adjacent arterial roadways, both of which have a volume/capacity ratio in excess of 1.30, which ratio is derived by comparing existing p.m. peak hour traffic volumes to LOS D peak hour capacities
2. The ridership within the District on fixed route transit services has increased at least 2 ½ percent over the previous year.

Policy 1.16 A building permit application that is subject to a Transit Concurrency Assessment by Broward County shall not be subject to impact fees for regional transportation facilities by Broward County or the City.

Policy 1.17 The City of Miramar in coordination with Broward County shall address overcapacity roadways segments and roadway segments approaching capacity through the following actions:

1. Utilize and apply, on an annual basis, the results of the Broward County Traffic Circulation Analysis, including level of service determinations, prior to the development of the Capital Improvement Program and Capital Improvements Element. In so doing, a high priority shall be assigned to appropriate County and City road improvements for road segments operating below, or projected to operate below, the adopted peak-hour LOS “D” standard.
2. For overcapacity City roads with lower priorities in funding than those in major road programs, coordinate with Broward County in exploring funding source options and in securing adequate funding for locally sponsored, efficient road and traffic engineering improvements.

Policy 1.18 The City of Miramar shall implement the adopted two-way peak-hour LOS "D"

standards through the following actions:

1. To determine the roadway level of service and the trip volumes generated from a proposed development, a planning analysis (K100) factor shall be used by Broward County at the platting stage to convert average annual daily trip volumes to two-way peak hour trips. The Broward County TRIPS Models shall continue to be used to determine the roadway level of service and trips volumes associated with the development.
2. Annually update the Roadway LOS report to identify the peak hour and the existing peak-hour volumes for each collector roadway or higher.

Policy 1.19 Recognizing the growing need for regional connectivity, the City of Miramar will participate with Broward County, MPO, SFRTA, FDOT, and other appropriate municipalities in implementing strategies to maintain level of service and facilitate local traffic to use alternatives to the Strategic Intermodal System (SIS) as a means of protecting its interregional and intrastate functions.

1. Work with the Broward County Planning Council, Broward County Transit (BCt), FDOT, and other affected municipalities to identify FDOT public transportation corridors for the purposes of implementing an overlay zoning district to promote public transit along the designated corridor, and to amend the City's land use plan and LDC as appropriate.
2. Through the platting process, continue to coordinate local transportation planning efforts and development reviews with FDOT, County transportation planning agencies and adjacent municipalities.
3. Support the widening of Florida's Turnpike to an eight-lane facility when eligible noise mitigation infrastructure is designed as part of project implementation.
4. Support interchange improvements, where appropriate, on I-75 and Florida's Turnpike.
5. Support efforts to analyze implementation of a transitway along I-75.
6. Support efforts to locate funding of regionally significant arterials and local roadways to ensure smooth traffic flow within the county's transportation network and connecting to the SIS network.
7. Continue to support measures that will alleviate noise levels along federal and state transportation roadways, particularly in planning, designing and implementing new roadways, expanding existing roadways, and/or significantly altering the alignment of existing roadways.
8. Maintain and, where feasible, improve the level of service on City roads that are parallel to SIS roads.
9. Support finding improvements to connect discontinuous roadways.
10. Continue to implement the Congestion Management Plan recommendations, with an emphasis on roads that are parallel to SIS roads.
11. Assist the County, as needed, and support the county's efforts to coordinate and synchronize the signalization system along County roads that are parallel to SIS roads.
12. Support coordination of intelligent transportation systems (ITS) efforts between FDOT and Broward County.
13. Continue to enhance community bus systems to expand transit coverage and improve connectivity.
14. Promote transit oriented design along roads that are parallel to SIS roads.
15. Improve pedestrian access to transit by ensuring that all phases of road planning, design and construction include the necessary pedestrian ways on arterials and collectors under the responsibility of the State, county and municipalities, where feasible.
16. Promote public education through marketing strategies about modal alternatives to private vehicles such as public transit.

Policy 1.20 The City of Miramar shall coordinate land uses with the transportation system through implementation of, but not limited to, the following programs, activities or actions:

1. Residential densities in the Low (1 du/ac) to Low-Medium (10 du/ac) ranges should be located with access to existing minor arterial and collector streets.
2. Residential densities in the Medium High (25 du/ac) and High (50 du/ac) ranges should be located with adequate access to major and minor arterial roadways, expressways, and public transit routes.
3. Through the designation of land uses on the City's Land Use Plan map the City shall continue

to provide a range of housing opportunities and a mix of land uses so that housing opportunities are within a 30-minute commute to employment.

4. Industrial, office, commercial and employment center uses shall be located with access to major transportation facilities, including roads, airports, seaports, rail, and intermodal facilities.

Policy 1.21 On an annual basis, update and apply findings of the Transportation Concurrency Monitoring Program including Level of Service determinations no later than the development of the Capital Improvement Program (CIP).

Policy 1.22 Analyze capacities and intersection flow problems in coordination with Broward County on an annual basis and determine short and long-range solutions in conjunction with the Transportation Concurrency Monitoring System.

Policy 1.23 Coordinate the installation of traffic signals when warranted by existing conditions and in strict conformance with FHWA Manual on Uniform Traffic Control Devices (MUTCD), and the Traffic Engineering Agreement between Broward County and the City of Miramar.

Policy 1.24 The City will require cumulative transportation impact analysis for all land use plan amendments as part of the review and approval process.

Policy 1.25 Broward County, in coordination with the FDOT and the City, shall conduct a study on constrained roadway facilities. The study, which shall identify constrained facilities, propose adequate LOS standards for those identified constrained facilities, and recommend appropriate actions to improve mobility on the constrained roadways, shall be completed by December 2011. The study findings shall be implemented through a Transportation Element amendment.

Policy 1.26 The City and Broward County shall continue its current practice of recognizing the interaction with mixed use developments and the resulting internal satisfaction of trips when analyzing the traffic impact of proposed mixed use developments which promote revitalization and redevelopment. Mixed use developments are characterized by three (3) or more significant, mutually supporting, land uses with significant physical and functional integration of project components, including uninterrupted pedestrian connections, and that is developed in conformance with a coherent plan.

Policy 1.27 The City shall encourage the provision of pedestrian and bicycle infrastructure linking neighborhoods to the transit system.

Policy 1.28 By December 2011, the City shall coordinate with the county and municipalities on establishment of bicycle and pedestrian level of service standards to be used for concurrency and short/long range planning purposes, in order to implement Policy 1.31.

Policy 1.29 By December 2011, Broward County shall establish a methodology to establish level of service standards for pedestrian and bicycle infrastructure. The methodology shall include a demand analysis for high frequency destinations or routes and include different standards for different roadway typologies. Separate standards may be defined for each concurrency district in order to implement Policy 1.29.

Policy 1.30 By June 2012, Broward County shall identify projects needed to achieve the identified pedestrian and bicycle level of service standards and define a prioritization strategy to rank projects within each concurrency district. The strategy shall include mechanisms for municipal coordination. Coordination with transit infrastructure improvement projects shall be preferred to provide a cohesive and comprehensive mobility strategy in selected corridors or areas. Emphasis will be placed on Transit/Housing Oriented Redevelopment (THOR) corridors or other corridors with planned premium transit (FEC and CSX corridors).

Policy 1.31 By December 2012, Broward County shall identify a funding strategy to implement projects identified to meet the pedestrian and bicycle level of service standards. The funding strategy may include concurrency or mobility fees, a matching program to encourage municipal participation, support from outside agencies such as the MPO or FDOT, developer contributions, or other options.

Policy 1.32 By December 2012, Broward County shall adopt short-term bicycle and pedestrian level of service standards to be included in the concurrency management system and

long-term transit, bicycle and pedestrian standards to be evaluated similar to the long-term standards for roadways.

Policy 1.33 By December 2013, and each year thereafter, Broward County shall include a status of the County's progress at achieving or maintaining pedestrian and bicycle level of service standards as part of the annual Capital Improvements Element amendment. Any project reprioritizations or changes in funding status shall be identified in the annual update.

Policy 1.34 In conjunction with the annual update of its Capital Improvements Element, the County shall report on the status of the transportation system in relation to the LOS standards adopted in Policies 1.4 and 1.5, and identify any remedial actions needed and how and when they will be implemented. The County will coordinate with the Florida Department of Transportation on this reporting function.

Coordinate Transportation Plans and Programs

Objective 2

The City of Miramar shall coordinate the transportation system with other entities, transportation plans and programs.

Evaluation Measure 2

Continue participation and attendance at MPO, Broward County Technical Advisory Committee, and other Transportation Management meetings.

Policy 2.1 The City of Miramar shall coordinate the following plans and programs with Broward County, the Broward County Metropolitan Planning Organization, and the Florida Department of Transportation, District IV:

1. The Transportation Element, and significant amendments thereto.
2. The City of Miramar Bikeways Master Plan.
3. The Capital Improvements Element.

Policy 2.2 Through its membership and participation in the MPO, the City of Miramar shall actively pursue a continuation of the current land use coordination practices in the maintenance of the City's long-range transportation plan, including:

1. Recognition of the Trafficways Plan component of the Broward County Land Use Plan as the basic system of designated corridors, within which the future roadway network shall be planned, designed and constructed.
2. Recognition of the City's and Broward County's Land Use Plan in maintaining the socio-economic database which in turn is the basis of forecasting future travel demand.
3. Recognition of the State's Strategic Intermodal System (SIS), a statewide transportation network including SIS roadways, connectors and hubs.
4. Coordinate with Broward County on amendments to the adopted Year 2030 Highway Network in keeping with the City's planning objectives.
5. By 2011, in coordination with Broward County and FDOT, modify and restructure the transportation planning process to enhance the relationship between land use and transportation planning. Examples of such restructuring could include coordinating the impact of land use decisions on the FIHS/SIS and participating in corridor designation studies for incorporation in the comprehensive plans pursuant to TE Policy 1.19 (1).

Policy 2.3 The City of Miramar will continue to participate in Highway Beautification agreements with Broward County and the State of Florida Department of Transportation.

Policy 2.4 The City of Miramar will incorporate all Transportation Element objectives and policies, which require coordination with other entities into the City's Intergovernmental Coordination Element; the Intergovernmental Coordination Element will be submitted to DCA after submittal of the Broward County Intergovernmental Coordination Element.

Policy 2.5 The City of Miramar will support initiatives by the State Legislature to provide a permanent increase in State Transportation Funding to accelerate the construction of high priority State Road projects in the MPO's adopted Long-Range Highway Plan.

Policy 2.6 The City will review the Broward County Trafficways Plan and the City of Miramar Roadway Master Plan.

Policy 2.7 The City will coordinate with County Officials to ensure the County's 2030 Highway

Needs Network Plan is consistent with the City's Roadway Master Plan, as amended, described in this Element and refined as a result of the review described in Policy 2.6.

Policy 2.8 Coordinate efforts with Broward County and the City of Pembroke Pines to preserve and extend the Pembroke Road east-west right-of-way corridor across I-75 to S.W. 196th Avenue.

Policy 2.9 Pursue with Miami-Dade County, FDOT and the Turnpike Authority the feasibility of an interchange with the Turnpike and I-75.

Policy 2.10 The City will aggressively pursue the construction of roads located in Miramar and identified for improvement in the Broward County Five-Year Transportation Improvement Program (TIP).

Policy 2.11 Through the City's Five-Year Capital Improvements Program, implement a program of maintenance and repair for existing local roadways, walkways and other transportation facilities which are the responsibility of the City.

Policy 2.12 The City will undertake a study that evaluates various east-west corridor alternatives including Bass Creek Road, Honey Hill Road, and Miramar Boulevard to determine if they can be feasibly improved to serve a significant beneficial role in future east- west travel in the City, while preserving the residential character of adjacent neighborhoods. If the results of the study are beneficial for the city and approved by the City Commission, then initiate planning, design, capital programming and other recommended implementation steps.

Policy 2.13 This Element supports and furthers the goals, objectives and policies of the Future Land Use Element and all other elements in this Comprehensive Plan, and is consistent with the adopted Broward County Transportation Element.

Policy 2.14 The City shall coordinate the following plans, programs and comprehensive plan amendments with the Turnpike District:

1. Transportation Element amendments relating to Florida's Turnpike mainline.

Policy 2.15 The City shall coordinate the following plans and programs with the Federal Aviation Administration:

1. North Perry Airport Master Plan and amendments thereto.

Policy 2.16 The City will work with the County, FDOT and other partners to ensure timely completion of the following initiatives focused on identifying and addressing impacts to the SIS and roadway facilities funded under the TRIP program.

1. SIS Connectors: SIS roadway connectors serve the critical role of linking SIS hubs with SIS corridors and hence are subject to a statewide level of service (LOS) standard. FDOT has completed a study for each SIS roadway connector in Broward County. These studies identify both LOS conditions and deficiencies and potential improvements or strategies needed to ensure access to and achieve mobility on the facilities. For SIS roadway connectors serving transit hubs, mitigation in the form of improved transit access and mobility or transit-oriented development proximate to stations will be considered.

2. SIS Corridors: SIS roadway corridors are critical to the movement of people and goods within regions and across the state and hence are subject to a statewide LOS standard. FDOT will lead the following steps, coordinating with Broward County and affected municipalities.

3. Roadway Segments Improved with TRIP Funds: Roadway segments with improvements funded with TRIP funds are subject to a statewide LOS standard. A LOS D standard applies in the Standard Concurrency Districts. That same LOS standard applies in the Transportation Concurrency Management Areas unless FDOT agrees to an alternate standard.

4. Regional Coordination: Broward County will enhance its coordination with municipalities, adjacent counties; the Broward, Palm Beach and Miami-Dade MPOs; the South Florida Regional Transportation Authority and other partners regarding regional level transportation issues, including the need to ensure mobility on shared SIS and other regionally significant transportation facilities crossing county lines.

5. Transportation System Management and Operation (TSM&O): Broward County will meet with FDOT by February 2009 to review current TSM&O projects and plans and agree upon an ongoing coordination process focused on ensuring mobility on SIS and TRIP-funded facilities.

Goal II

Develop and maintain a convenient, cost-effective, efficient, resilient and safe multimodal mobility system for all of its citizens.

Objective 2.1
Utilize innovative and safe street designs, patterns, and elements that contribute to the aesthetic appeal and functionality of the City's roadway network.

Policy 2.1.1 Encourage a multi-modal streetscape design that accommodates all uses by focusing on elements for people walking, biking, taking transit, and driving.

Policy 2.1.2 The City's LDC shall require sidewalks construction for all development and redevelopment. To the maximum extent possible, the City shall support wider sidewalks on local, County and State roads.

Policy 2.1.3 Implement Complete Streets principles in the planning, programming, and construction of all new City roadways, redesigns, and resurfacing of existing roadways to address the needs of all users. Coordinate with the Broward MPO to determine the feasibility of implementing countywide Complete Streets standards to City streets.

Policy 2.1.4 Improve walkways and bikeways adjacent to transit routes, bus stops, and transit stations. The improvements should include, but not be limited to, bike racks, exclusive bike lanes, sidewalks, street furnishing, street trees, enhanced crosswalks, pedestrian-scaled lightning, and wayfinding signage.

Policy 2.1.5 Continue to implement the design concepts in high areas of pedestrian traffic that include, but are not limited to, street trees, canopies/arcades, patterned colored pavement and street signage, and area specific recommendations.

Policy 2.1.6 Provide pedestrian safety by ensuring well-lit streets, intersections with dedicated space for pedestrians, pedestrian refuges, midblock crossings, and sidewalks. The City shall consider conducting lighting analyses in areas of high crash incidents involving pedestrians.

Policy 2.1.7 Where possible, the City shall encourage the provision of convenient, covered and secure bicycle, micromobility or other alternative mobility options and sharing services parking at transit stations, schools, public facilities and commercial centers.

Policy 2.1.8 When streets are reconstructed, high-quality bikeway, micromobility or other alternative mobility options and sharing services facilities shall be considered in street reconstructions plans when appropriate.

Policy 2.1.9 Where possible, the City shall enhance bikeway, micromobility or other alternative mobility options and sharing services information and way-finding signage along bicycle routes.

Policy 2.1.10 The City will continue to require unobstructed sight lines and non-obtrusive landscape plantings along medians and at development driveway/street locations as required by the LDC.

Policy 2.1.11 The City shall support and incorporate into its LDC standards related to the context-sensitive use of "street/traffic calming/speed management" techniques (e.g. reduced vehicle lane width, textured pavement, chicanes, roundabouts, on-street parking, strategic use of differing median types) to enhance multi-modal user safety and accessibility.

Policy 2.1.12 Transit stops shall provide safe and comfortable waiting areas and other features to improve the user experience and increase transit ridership in the City.

Policy 2.1.13 The City shall continue to incorporate the design of streets and roadways from the policies outlined in Broward County's Complete Street Guidelines, National Association of City Transportation Officials Design Guides, and the FDOT Design Manual.

Objective 2.2

Seek opportunities to provide an interconnected roadway network to maintain a safe and efficient operation transportation network.

Policy 2.2.1 Develop connectivity throughout the road system, including encouraging multiple access points onto the City's roadway network from neighborhoods, subdivisions and from non-residential developments with support from the community.

Policy 2.2.2 Encourage new development and redevelopment to provide interconnection to adjacent properties to provide alternative vehicular networks.

Policy 2.2.3 The City shall review and modify as appropriate, existing land development regulations that control access points and minimize curb cuts on City-maintained roadways to provide safe and convenient pedestrian circulation and on-site traffic flow.

Policy 2.2.4 Institute transportation systems management (TSM) and TDM programs in order to utilize existing facilities to maximum benefit and efficiency and to reduce traffic congestion through the use of such measures as van-pooling, car-pooling, flexible work schedules, transit usage, telecommuting, bicycle and pedestrian circulation, optimized signal phasing and coordination, intersection geometry improvements, resurfacing and maintenance.

Policy 2.2.5 Develop the criteria and guidelines for implementing measures for major employment facilities in Miramar to help reduce traffic volumes in congested areas.

Policy 2.2.6 Recommend incentives for inclusion in the LDC, such as reductions in required parking spaces for employers, that encourage remote park and ride lots with employer provided transportation to the employment center.

Policy 2.2.7 Encourage and promote connectivity of roadways, and include cross access between properties with complementary land uses to reduce vehicular trips on the roadway network. Cross-connectivity shall include bicycle and pedestrian accommodations, except where infeasible due to natural or environmental constraints.

Policy 2.2.8 Discourage dead-end streets and cul-de-sacs.

Policy 2.2.9 Implement to the maximum extent feasible, for development and redevelopment projects and lands owned by the City, the creation of walkable sites, neighborhoods and community designs that are accessible to and address the needs of all users and support healthy lifestyles using public venues, inclusive of all modes of transportation in a manner generally consistent with the Broward MPO Complete Streets Design Guidelines.

Objective 2.3

Enhance the character and quality of life of the City's residential neighborhoods.

Policy 2.3.1 Continue to implement the Mobility Plan citywide, keeping in mind that different

mobility priorities and policies may be identified for different neighborhoods.

Policy 2.3.2 Coordinate with residents, neighborhood associations, and impacted stakeholders the development and implementation of traffic management and calming programs that promote safety for all users in residential neighborhoods, consistent with the FLUE, the Land Development Code (LDC), and adopted neighborhood plans.

Policy 2.3.3 Ensure a safe network that maximizes pedestrian accessibility and mobility for Miramar's neighborhoods.

Policy 2.3.4 Establish traffic management strategies that reduce cut-through traffic and reduce truck traffic in residential neighborhoods without compromising overall connectivity.

Policy 2.3.5 The City will act upon citizen requests for traffic calming within residential neighborhoods outlining the procedures for the installation of speed humps within the City. Upon completion of a successful neighborhood petition and appropriate engineering study, the City Manager will review the conclusions and reasonable recommendations contained within the final report and make a determination if traffic calming measures will be installed.

Policy 2.3.6 Conduct, as needed, in-depth studies of local rights-of-way and neighborhood circulation to implement safety and traffic calming measures, and prioritize the implementation of recommendations related to safer streets.

Policy 2.3.7 The City will protect neighborhoods from vehicular traffic impacts by utilizing traffic calming measures such as, but not limited to, street closures, signalization, site modifications, access controls, stop signs, and traffic separators.

Policy 2.3.8 The City will require that all capacity improvements, including road dieting, traffic calming, mass transit, bicycle and pedestrian enhancements, be considered prior to moving forward with any road widening project that impacts the character of neighborhoods.

Objective 2.4

Protect the City's natural resources and ecosystems through integration of natural features and strategies that reduce greenhouse gas emissions and air pollution.

Policy 2.4.1 Establish a network of interconnected paths and trails that link residential neighborhoods with parks, open space, recreation opportunities, and schools.

Policy 2.4.2 Promote walkways and bikeways along canal and public corridor rights-of-way, and coordinate with stakeholders as part of an interconnected network of greenways, parks, and open spaces, promoting non-motorized transportation.

Policy 2.4.3 The City's greenways and trails shall link neighborhoods with park and recreation facilities, conservation areas, schools and other public buildings, cultural and historic sites, business areas and multi-modal transportation facilities, in a manner generally consistent with the Broward MPO Complete Streets Design Guidelines, or equivalent, principles.

Policy 2.4.4 The City shall support and incorporate into its LDC standards related to the context-sensitive use of urban forestry techniques, including trees selected, located, and tended in a manner that assures healthy growth, to enhance pedestrian and bicyclist shade/cooling, and enhance corridor aesthetics.

Policy 2.4.5 The City shall support standards for resiliency in its roadway network by incorporating

into its design streetscape improvement techniques to address the effects of street flooding and heat.

Policy 2.4.6 The City shall provide an energy efficient transportation system and work to reduce greenhouse gases. Ways to achieve this policy may include, but is not limited to, City fleet conversion to zero-emission vehicles, reduction of vehicle miles traveled, and increases in walking, biking, and taking transit.

Policy 2.4.7 The City shall consider, where appropriate, the application of standards regarding the context sensitive placement of energy efficient illumination to promote pedestrian, bicycle, micromobility or other alternative mobility options and sharing services and vehicular activity and safety without adversely impacting protected wildlife or promoting light pollution.

Policy 2.4.8 Continue to use solar-powered lighting at transit stops.

Policy 2.4.9 Convert street and pedestrian lighting to Light Emitting Diodes (LEDs) that adhere to Dark Sky Principles.

Policy 2.4.10 Evaluate priority locations for EV charging stations to provide a convenient network of charging locations that encourages EV ownership.

Policy 2.4.11 Continue to enhance the City's fleet of vehicles by increasing the percentage of alternative fuel and hybrid buses and automobiles.

Objective 2.5

Create a transportation network that supports business and economic growth and increases access to employment opportunities for all residents of all ages and abilities.

Policy 2.5.1 Establish mobility performance measures for universal access, safety, movement of people and goods (instead of just vehicles) and land use context. The City should annually measure progress towards achieving the established performance measures. Mobility performance measures shall be established within the Mobility Plan.

Policy 2.5.2 Prioritize transportation system improvements needed to offset the impact of new development or redevelopment consistent with Goal 1.

Policy 2.5.3 Prioritize the implementation of Complete Streets for roadways that provide access to mixed-use development, are in proximity of schools, lead to transit nodes, are within transit corridors, and/or connect to walkways and bikeways.

Policy 2.5.4 Implement land use strategies that reduce vehicle dependence, expand travel options, and decrease VMT. Such strategies shall include mixed-use developments, vehicular and pedestrian interconnection between adjacent land uses, and connections to transit facilities.

Policy 2.5.5 Encourage integrated transportation systems, mass transit facilities, bikeways and pedestrian corridors to serve urban infill and redevelopment to reduce reliance upon automobile travel and increase physical activity opportunities, consistent with the Broward Complete Streets Guidelines, or equivalent principles.

Policy 2.5.6 Increase the transit modal split for all work trips within the City. The City shall provide incentives, such as increased allowable density or reduced parking requirements, to developers of all residential, commercial and/or general office land uses that place public transit facilities within their development.

~~**Objective 3**~~

~~The City of Miramar shall ensure development does not encroach upon existing rights-of-way and shall ensure future development does not encroach upon future rights-of-way as provided in the Broward County Trafficways Plan.~~

~~**Evaluation Measure 3**~~

~~Evaluate roadway conditions annually to identify future needs for right-of-way acquisition and reservation.~~

~~Policy 3.1 Continue to protect existing rights-of-way from building encroachment through implementation of the City of Miramar Land Development Code provisions that no obstructions of any type which are deemed unsafe pursuant to City standards shall remain or be permitted in the ultimate right-of- way.~~

~~Policy 3.2 The City of Miramar shall continue to protect future rights-of-way from building encroachment through implementation of, but not limited to, the following programs, activities or actions:~~

~~1. Continue to construct the roadway circulation network consistent with the adopted Broward County Trafficways Plan.~~

~~2. City and County Land Development Code provisions which require that, at the time of plat and site plan approval, future trafficways delineated on the Broward County Trafficways Plan be conveyed to the public by dedication on the face of the plat, deed or, if acceptable to the City and/or County, by grant of easement which is necessary for the ultimate construction of roadways, intersections, turn lanes, bicycle facilities, sidewalks, bus pullout bays, bus shelters, or roadway drainage facilities.~~

~~3. Continue to include funding for acquisition of rights-of-way where dedication of land is not possible.~~

~~4. Through the Broward County Planning Council, coordinate the City's Roadway Master Plan with the Broward County Trafficways Plan.~~

~~Policy 3.3 Prohibit building encroachment into the ultimate right-of-way needs depicted on the Broward County Trafficways Plan by new development, redevelopment or any improvements requiring a building permit.~~

~~Policy 3.4 Require dedication of the rights-of-way depicted on the Broward County Trafficways Plan through the plat, site plan and building permit approval process in accordance with the provisions of the Land Development Code and current legal case law on this issue as recommended by the City Attorney.~~

~~Policy 3.5 Assist Broward County and FDOT with the acquisition of right-of way in advance of construction to ensure maintenance of acceptable transportation level-of- service~~

~~Policy 3.6 Assist with the protection and acquisition of right-of-way for planned improvements to State Road 7, Pembroke Road, Bass Creek Road and Miramar Parkway through the development permit approval process and the Miramar Neighborhood Development Master Plan (completed 2001).~~

~~Policy 3.7 Obtain right-of-way for the committed improvements to Flamingo Road south of Miramar Parkway through the platting process and monitor the issuance of building permits and C.O.'s for the Bluegrass Lakes DRI project to ensure that Flamingo Road between Honey Hill Road and Miramar Parkway is expanded in conformance with the Bluegrass Lakes Development Order.~~

Goal III

Coordination with transportation and transit agencies to cooperatively improve the transportation network.

Objective 3.1

Collaborate with state and/or regional agencies to improve the City's transportation network.

Policy 3.1.1 Continue to partner/coordinate with Florida Department of Transportation (FDOT), Broward Metropolitan Planning Organization (MPO), Broward County, Broward

County Transit (BCT) and South Florida Regional Transportation Authority (SFRTA) in their transportation planning efforts:

1. Apply the mobility hierarchy of Policy 1.1.2 when coordinating with these agencies and departments.
2. Coordinate the City's transportation system with the respective plans and programs of appropriate public agencies, consistent with the Future Land Use Map (FLUM) to achieve the City's transportation goals.
3. Coordinate the transportation system with the FLUM and the goals, objectives and policies (GOPs) of the Future Land Use Element (FLUE) to ensure that transportation facilities and services:
    a. Reduce fossil fuel use and vehicle miles traveled;
    b. Improve the mobility of people, good and services;
    c. Provide a diverse, efficient and equitable choice of transportation options;
    d. Increase the City's resiliency to the impacts of climate change; and
    e. Are available to adequately serve existing and proposed population densities, land uses and housing and employment patterns, and thereby maintain the adopted level of service (LOS) standards of the City's Comprehensive Plan.

Policy 3.1.2 The City shall consult with FDOT regarding planning, regulation, and design of multi-modal access between roadways on the State Highway System (SHS) and adjacent land development to enhance the safety and efficiency of the transportation system.

Policy 3.1.3 The City shall continue to use its position as a voting member on the MPO Governing Board to advocate for the City's transportation initiatives and to encourage the implementation of transportation projects within the City.

Policy 3.1.4 The City shall continue to participate in bicycle planning programs of the Broward MPO and the FDOT to provide bike facilities with all roadway improvements, where feasible.

Policy 3.1.5 Monitor the transportation mode split and coordinate with the Broward MPO on the development of a long-term vision for local and regional transit services.

Policy 3.1.6 The City shall continue to work with FDOT on safety initiatives for major state roads.

Policy 3.1.7 The City will continue to promote bicycle and pedestrian safety amongst local students by partnering with the FDOT to provide the Florida Traffic and Bicycle Safety Education Program, a school-based program which teaches elementary and middle school students traffic safety principles through classroom instruction and on-bike safety skills.

Policy 3.1.8 Coordinate with FDOT and Broward County to identify locations on roadways within the City with a high incidence of crashes and develop a plan to reduce incidences of crashes. Primary focus is on reduction of serious injury and fatal crashes.

Policy 3.1.9 The City shall expand its safety initiatives on pedestrian and bicycle safety, in coordination with FDOT's Pedestrian and Bicycle Coordinator, through educational, community outreach activities, and other resources geared towards both non-motorists and motorists in the City.

Policy 3.1.10 The City shall encourage BCT to improve the existing transit system including, but not limited to, increased routes, frequency of service, and accuracy of scheduling and timed transfers at select major land uses within the City.

Objective 3.2

Collaborate with regional and local agencies to improve the City's transportation network.

Policy 3.2.1 Collaborate with regional agencies, school districts, community planning groups, community activists, neighborhood associations, individuals, public health professionals, developers, law enforcement officials, and other stakeholders to better realize the mobility, environmental, and health benefits of a walkable and bikeable community.

Policy 3.2.2 In partnering with neighborhood leaders, the City shall ensure that all future thoroughfares and expressway projects include opportunities for community input and consider design elements that favor safe, balanced, livable streets that accommodate various modes of travel.

Policy 3.2.3 Encourage, through community partnerships, a culture that embraces bicycle use as a normal and convenient travel mode.

Policy 3.2.4 Engage and collaborate with strategic partners, including local bicycle-pedestrian advocates, neighborhood and homeowner associations, civic associations, and other stakeholders to create the walking and biking mobility strategies.

Policy 3.2.5 The City shall seek to raise the visibility and participation of riding a bike, micromobility or other alternative mobility options and sharing services in Miramar through regularly organized events, prominent facilities and other encouragement activities.

Policy 3.2.6 Encourage increased utilization of transit service by local residents, employees and visitors to help minimize motor vehicle use and reduce traffic congestion.

Objective 3.3

Collaboratively work with multiple agencies to improve the City's transportation network.

Policy 3.3.1 The City shall, when possible, coordinate with adjacent municipalities in order to connect existing and proposed bikeways and walkways.

Policy 3.3.2 The City shall encourage partner agencies to conduct an ongoing safe bicycle, micromobility or other alternative mobility options and sharing services route to schools programs, including semi-annual safety educational programs for children and adults.

Policy 3.3.3 Continue to work with Broward County, FDOT, Broward MPO, and other agencies to promote the use of bicycles, micromobility or other alternative mobility options and sharing services, and provide convenient locations for bicycle parking and boulevards in activity centers throughout the City wherever appropriate.

Policy 3.3.4 The City shall continue to participate in bicycle planning programs of the Broward MPO and the FDOT to provide bike facilities with all roadway improvements, where feasible.

Policy 3.3.5 Provide support and coordinate with strategic partners, including local and regional agencies, the Broward MPO, Broward County, the FDOT to assist in the development of local and regional trail networks outlined in the Southeast Florida Regional Greenways and Trails Plan.

Policy 3.3.6 Work with transit agencies to improve connections between bus and existing and planned bicycle routes.

Policy 3.3.7 Coordinate with Broward County Transit, South Florida Regional Transportation Authority (SFRTA), Miami-Dade Transit, and other transit providers to provide and

enhance service to all users.

Policy 3.3.8 Continue to work with Broward County Transit (BCT) and all other transportation agencies and transportation service providers to better integrate the City Community Bus Shuttle and the BCT Services.

Policy 3.3.9 The City should review and implement strategies from the Broward Safety Action Plan and State's Target Zero Action Plan, in coordination with FDOT's Complete Streets - Pedestrian Coordinator, to reduce/eliminate fatalities and serious injuries in the City.

Objective 3.4

Collaborate with multiple agencies to improve energy efficiency and reduce the production of greenhouse gases.

Policy 3.4.1 The City shall continue to participate in cooperative intergovernmental plans and programs that will improve energy efficiency as well as incorporate transportation strategies to reduce the production of greenhouse gases.

Policy 3.4.2 Through participation in the MPO and collaboration with the FDOT, address single occupant vehicle issues through implementation of TDM strategies, such as ride-sharing programs, parking management strategies, flex work hours, and shuttle services.

Policy 3.4.3 In conjunction with FDOT, the MPO, Broward County and other entities, enhance efficiency in the existing transportation system by continuing to implement Transportation System Management (TSM) strategies such as improving road conditions, improving intersections , providing park and ride lots, and providing the latest technology for coordinating and optimizing traffic signals.

Policy 3.4.4 Support and explore additional funding opportunities to decrease transit headways on the most heavily traveled transit corridors.

Policy 3.4.5 Maintain bicycle racks/storage on all transit vehicles.

Policy 3.4.6 Encourage transit operators to limit idling of public transit or paratransit vehicles.

Policy 3.4.7 Encourage carpool and ride sharing programs by coordinating with South Florida Commuter Services.

Policy 3.4.8 Encourage share mobility options that enable car-free lifestyles in activity centers.

Policy 3.4.9 Continue to collaborate with FDOT on I-95/I-595/I-75 Commuter/Express Bus routes, construct adequate park and ride facilities with transit amenities.

Policy 3.4.10 Support federal legislation providing for construction of energy efficient and environmentally friendly vehicles, including the expansion of electric vehicle (EV) charging infrastructure.

Policy 3.4.11 Coordinate with FDOT's South Florida Commuter Services program to establish and implement TDM strategies for all future and existing employers employing more than 50 on-site employees.

Policy 3.4.12 Coordinate with FDOT, Broward County, BCT and other strategic partners to optimize traffic flow through optimization of traffic signal systems, transit prioritization, technologies benefiting pedestrian and bicyclist movement at signalized intersections, and lane repurposing measures.

~~**Safety and Security**~~

~~**Objective 4**~~

~~The City of Miramar shall continue to participate in cooperative intergovernmental plans and programs that will improve safety by 2011.~~

~~**Evaluation Measure 4**~~

~~To establish a coordinated safety database with Broward County and FDOT that will be updated on an annual basis.~~

~~Policy 4.1 By 2011, coordinate with Broward County to provide a safe transportation roadway network through implementation of, but not limited to, the following programs, activities, or actions~~

~~1. The City shall continue to maintain land development regulations that control the connections and access points of driveways and roads to roadways as prescribed by either the Florida Department of Transportation (FDOT) Highway Access Manual, and the City and Broward County Land Development Codes.~~

~~2. The City shall continue to maintain land development regulations governing on- site traffic flow, parking, and signage.~~

~~3. The City shall work with appropriate entities to improve debris removal from roadways.~~

~~Policy 4.2 Maintain, and improve as necessary, the adopted City Roadway Access Standards which are part of the City's Land Development Code and consistent with Broward County's Land Development Code, that protect residential development from commercial/industrial traffic; ensure safe and adequate access opportunities; and minimize the negative impact on arterial capacity.~~

~~Policy 4.3 As part of the Miramar Neighborhood Development Master Plan process and working closely with FDOT in the programmed widening of State Road 7, develop a program by 2004 for correcting the existing off-street parking deficiency in the eastern portion of the City.~~

~~Policy 4.4 The City will continue to implement the portions of the City's Land Development Regulations, which provide controls to ensure convenient on-site travel and parking.~~

~~Policy 4.5 The City will maintain requirements in the Land Development Regulations, which prohibit back-out parking onto thoroughfares for all new commercial development and redevelopment.~~

~~Policy 4.6 By 2020, coordinate with Broward County in the provision of a safe bikeway network that reduces the injury rate through implementation of, but not limited to, the following programs, activities, or actions:~~

~~1. The City shall continue to maintain land development regulations requiring sidewalks for new development and redevelopment.~~

~~2. The City shall continue to require safe and interconnected pedestrianways within educational facilities, recreation and open space areas, and employment centers.~~

~~3. The City shall coordinate with the Broward County Bicycle Coordinator to identify high frequency bicycle and pedestrian crash locations; to develop strategies for improving the safety of those locations; to adopt and implement those safety strategies; and to monitor those locations.~~

~~4. The City will continue to provide pedestrian and non-motorized vehicle facilities to separate pedestrian movement from automobiles and other traffic.~~

~~Policy 4.7 The City will continue to coordinate with the Broward County Aviation Department in order to provide safe County operated airport facilities and related facilities through implementation of, but not limited to, the following programs, activities, or actions:~~

~~1. Continue to control development and ensure land uses compatible with airport operations within Runway Protection Zones.~~

~~Policy 4.8 The City of Miramar shall provide a safe recreational transportation network that is coordinated with Broward County's recreational network through implementation of, but not limited to, the following programs, activities, or actions:~~

~~1. The City shall work with the Broward County Metropolitan Planning Organization, the Broward County Bicycle Coordinator, the Broward County Pedestrian Coordinator, and adjacent municipalities to link together, to the extent feasible, implement greenways, bikeways, and equestrian trails.~~

Goal IV

Continue to maintain and, where feasible, improve the functional relationship between the

transportation system and applicable future land uses to ensure that transportation modes and services meet the transportation needs of existing and future population densities, housing and employment patterns, and land uses in coordination with the transportation planning efforts of the State of Florida, Broward County, SFRPC, MPO, and adjacent municipalities.

Objective 4.1
The minimum allowable acceptable Level of Service (LOS) for City streets is LOS "D." except as identified in an adopted Mobility Plan. The overall mobility of users is prioritized over maintenance of vehicular LOS. The City Commission shall reserve the right to adopt alternative LOS thresholds on City streets for specific roadways, based on unique overriding circumstances, i.e., safety, limited right-of-way, or environmental justice considerations.

Policy 4.1.1 New development and redevelopment must demonstrate that the adopted roadway level of service can be maintained in the buildout year of the development. A traffic study prepared by a registered Professional Engineer shall be provided to the City identifying existing and future traffic volumes at buildout of the development, as well as recommendations for roadway improvements, if any. For those projects that cannot meet the concurrency requirement for transportation, the City may accept the use of "proportionate fair-share mitigation for transportation facilities" consistent with Section 163.3180, Florida Statute (F.S).

Policy 4.1.2 The City may enter into a development agreement with a developer to provide construction of the facilities necessary to support said development if they are not available, consistent with Section 163.3180, F.S.

Policy 4.1.3 Reduce the number of vehicular trips, trip length, and VMT through interconnectivity principles and through the promotion of TDM principles.

Policy 4.1.4 When the LOS will be maintained at an acceptable level, prioritize VMT reduction over reduction in delay at intersections when reviewing the transportation impacts of developments and City-initiated transportation improvements.

Objective 4.2
The City shall be divided into Concurrency Districts.

Policy 4.2.1 Each District shall be one of the following types:

1. A Transportation Concurrency Management Area (TCMA) shall be a compact geographic area with an existing network of roads where multiple, viable alternative travel paths or modes are available for common trips. An area-wide level of service standard shall be established for this District, for the purpose of issuing development orders and permits, based on how mobility will be accomplished within the Area. The portion of the City situated between I-75 and the Florida Turnpike is located within the South Central Concurrency District TCMA. The portion of the City situated east of the Florida Turnpike is located within the Southeast Concurrency District TCMA.

2. A Standard Concurrency District shall be an area where roadway improvements are anticipated to be the dominant form of transportation enhancement. A roadway LOS standard shall be established for each such District, based on the peak hour standard volumes contained in the FDOT Level of Service Manual for this District lying west of Interstate 75. The portion of the City situated west of I-75 is located within the Standard Southwest Concurrency District.

3. Roadway facilities forming the boundary of a Concurrency District are part of that District.

Policy 4.2.2 Within the TCMAs, the transportation LOS standards, for the purpose of issuing development orders and permits, are to achieve and maintain the following:

a. Southeast TCMA District - Maintain headways of 30 minutes or less on 60% of routes.

b. South Central TCMA District - Maintain headways of 30 minutes or less on 60% of routes. Maintain operations at new park and ride lots. Implement new I-75 bus service.

c. The Level of Service volumes for each roadway in the TCMAs are maintained by the Broward MPO as stated in the Transportation Element of the Broward County Comprehensive Plan.

Policy 4.2.3 Within the Standard Concurrency District, the transportation LOS standards, excluding Strategic Intermodal System (SIS) and Transportation Regional Incentive Program-funded roadway facilities, for the purpose of issuing development orders and permits are the generalized two-way peak-hour LOS D standard volumes depicted below, Quality/Level of Service Manual, FDOT (2020).

a. Southwest District (Standard) – the generalized two-way peak-hour LOS "D" standard volumes depicted on Table I below, Quality/Level of Service Handbook, FDOT (2020).

Table I
Generalized Peak Hour Two-Way "LOS D" volumes for Florida's Urbanized Areas

Lanes	2-lane Undiv.	4-lane Div.	6-lane Div.	8-lane Div.	10 Div.	12 Lanes
Arterials Uninterrupted Flow	2,180	5,960	8,950	---	---	---
Interrupted Flow Class I	1,600	3,580	5,390	7,210	---	---
Interrupted Flow Class II	1,330	2,920	4,500	6,060	---	---
Freeways, Urbanized	---	6,800	10,220	13,620	17,040	20,930
Source: FDOT Quality/Level of Service Handbook 2020						

Policy 4.2.4 The LOS standards for roadways on the SIS, including connectors, and roadway facilities shall be consistent with LOS Targets for the State Highway System. These standards shall apply for the purpose of issuing development orders and permits.

Policy 4.2.5 To assist in maintaining SIS LOS standards in the future, the City shall also consider strategies such as improvements to or the creation of parallel facilities, encouraging use of alternate modes of travel, and supporting travel demand management techniques.

MIRAMAR SIS FACILITIES

	Roadway	Roadway Segment	LOS Target

SIS CORRIDORS	Florida Turnpike & Homestead Extension	Miami-Dade County line to Palm Beach County line	D
	Interstate 75	Miami-Dade County line to Pembroke Rd	D
	US 27	Miami-Dade County line to Pembroke Rd	D

Policy 4.2.6 Prior to application for a building permit, the applicant shall obtain a Transportation Concurrency Satisfaction Certificate from Broward County. The City will not accept a building permit application, nor issue a building permit, unless the corresponding Transportation Concurrency Satisfaction Certificate has been presented. The County Commission may adopt land development regulations which exempt from these requirement categories of building permits that clearly do not create additional transportation impacts.

Policy 4.2.7 Development designs should be context-sensitive and consider existing and planned adjacent land uses. Development projects should be considered both separately and as part of a connected network with integrated pedestrian, bicycle and transit facilities generally consistent with the Broward MPO Complete Streets Design Guidelines.

Policy 4.2.8 Transportation facilities and services should be developed inclusive of all modes of transportation in a manner generally consistent with the Broward MPO Complete Streets Design Guidelines, or equivalent principles, encouraging infill development and promoting the efficient use of urban services.

Objective 4.3

Seek opportunities to develop and refine policies that adjust parking requirements.

Policy 4.3.1 Regularly analyze, assess, and update parking requirements in the Land Development Regulations; parking requirements may be customized for various parts of the City.

Policy 4.3.2 Consider reduced parking requirements for mixed-use and commercial properties within one-quarter of a mile of a transit facility. Conduct shared parking studies to identify opportunities to implement shared parking improve the efficient use of land in the City and manage vehicular trip demand in the City.

Policy 4.3.3 Consider evaluating future parking requirement needs for new development by taking into account the development and growth of ride-sharing, connected vehicles, and vehicle automation.

Policy 4.3.4 Encourage shared parking principles for mixed-use developments and for adjoining properties, where feasible and allow for reduction in overall parking demand based on professionally accepted standards.

Policy 4.3.5 Continue to offer and develop new incentives for development within identified activity centers, such as reduced parking requirements, flexibility and/or redevelopments units allocation, or reduced development fees.

Objective 4.4

Provide for the acquisition and protection of existing and future rights-of-way for roadways, transit facilities, bikeways, walkways, pathways, and greenways in the City's policies, standards, and regulations.

Policy 4.4.1 The City shall develop, maintain, and update a map of existing and future rights-of-way. The City shall review existing right-of-way widths for City streets to determine if excess right-of-way is being provided. The City shall consult local and regional resiliency plans to ensure that the right-of-way widths include climate change considerations.

Policy 4.4.2 The City shall preserve existing rights-of-way and designate future rights-of-way as necessary and require that future rights-of-way be dedicated as part of the development process.

Policy 4.4.3 The City shall monitor and evaluate the maintenance and acquisition of rights-of-way. Ensure that adequate right-of-way is provided for all travel modes

Policy 4.4.4 In order to encourage multi-modal transportation systems consistent with the Broward MPO Complete Streets Design Guidelines, the City shall promote the utilization of the "Context Sensitive Corridor" designation to provide for the reservation or acquisition of rights-of-way necessary for mass transit, bicycle and pedestrian facilities and services within its land development regulations.

Policy 4.4.5 The City shall continue to support linking the broad range of local and state infrastructure investments to improve and integrate mixed use land patterns and transit corridors that promote multi- modal transportation options in order to encourage reductions in vehicle miles traveled and greenhouse gas emissions, improve energy efficiency, improve quality of housing options proximate to urban work centers, and make progress towards other sustainable and quality of life measures.

Policy 4.4.6 The City shall continue revising the LDC to implement flexibility in development review; to support transit friendly site and building design guidelines within public transit corridors and local activity centers; to support vertical and horizontal mixed-use projects; and to support sustainable development patterns throughout the City.

~~**Convenience**~~
~~**Objective 5**~~
~~The City of Miramar shall continue to participate in cooperative intergovernmental plans and programs that will, by 2011, improve convenience through an increase in transportation facilities available.~~
~~Reduction in the number of transportation facility links that are not interconnected to the system and percentage of major trip generators and attractors served by public transit.~~
~~Policy 5.1 The City of Miramar shall provide a convenient roadway network through implementation of, but not limited to, the following programs, activities, and actions:~~
~~1. The City, through the land development regulations and in coordination with Broward County, shall continue to assure that all newly platted properties have direct access to roadways. Direct access to roadways, consistent with access management standards, shall be the convenience measure.~~
~~2. Through the Comprehensive Plan and land development regulations, continue to provide for a hierarchy of roadways with local roads serving as the access roads to private property.~~
~~3. Continue improvements in providing appropriate bicycle facilities, accessible sidewalks, and appropriate landscaping on all roadways.~~
~~Policy 5.2 The City of Miramar shall continue to coordinate with BCt in the provision of a convenient public transit network through implementation of, but not limited to, the following programs, activities, and actions:~~
~~1. The City, through its interlocal agreement with Broward County will continue to supplement the countywide public transit system with shuttle bus service to meet all transportation demands including the transportation disadvantaged.~~
~~2. The City will continue to coordinate with BCt to ensure adequate BCt representation on the~~

City's Development Review Committee.

3. The City will continue to coordinate with BCt in improving existing connections to the multi-modal and intermodal transportation network and in examining the need for additional facilities including park and ride lots as well as aesthetic improvements at transit facilities such as bus benches.

4. The City will continue to enforce the LDC to require the provision of bicycle racks at all community facilities.

5. The concurrency management system shall provide that for the purpose of issuing development orders and permits, the adopted public transit level of service shall be for the BCt to provide fixed route transit service to at least 70 percent of all residences and employment locations during the peak hour.

Policy 5.3 Consistent with the adopted Broward County Transportation Element, coordinate with the County in identifying and evaluating potential land use changes near transit routes in the City which have the potential to significantly increase transit ridership while still maintaining compatibility with the area land use pattern and compliance with the adopted Miramar Comprehensive Plan.

Policy 5.4 Work closely and aggressively with the BCt to increase bus service throughout developed and developing portions of the City, including the concept of express bus routes on I-75 linking west central Miramar with communities north and south.

Policy 5.5 By 2030, the City of Miramar will increase the number of bikeway/pedestrian ways links that do not provide connections to the overall transportation network by 15 percent and coordinate these activities with those of the countywide bikeway and pedestrian way networks through implementation of, but not limited to, the following programs, activities, and actions:

1. Through its membership in the MPO, continue to maintain and improve the bikeways/pedestrian ways network through inclusion of bikeways and pedestrian ways in road construction projects and through greenways.

2. The City will work with the Broward County Bicycle Coordinator and Pedestrian Coordinator to improve access to public transit through the provision of bicycle and pedestrian facilities.

3. The City will work with the Bicycle Coordinator and the Pedestrian Coordinator in connecting the City's predominantly recreational oriented bikeway and pedestrian way network with the County's non-recreational and recreational bikeway and pedestrian ways networks.

4. The City of Miramar shall encourage compact mixed use developments as a land use strategy for promoting walking and biking through the mixed use provisions proposed for the City's Future Land Use Plan Element.

Policy 5.6 Prepare a Citywide Multi-Modal Master Plan by 2012 to identify a network of walkways, bikeways and greenways that link residential areas with schools, transit stops, shopping centers, and places of employment. As part of the Citywide Multi- Modal Master Plan, improve the community shuttle service to increase ridership by more effectively supplementing BCt service and providing direct links to destinations inside and outside of the City.

Policy 5.7 Encourage the use of non-motorized transportation by providing for the construction of sidewalks and bicycle facilities in conjunction with new road construction and by implementing the Multi-Modal Master Plan when completed.

Energy Efficiency

Objective 6

The City of Miramar shall continue to participate in cooperative intergovernmental plans and programs that will improve energy efficiency as well as incorporate transportation strategies to reduce the production of greenhouse gasses.

Evaluation Measure 6

By 2012, develop a prioritized list of transportation demand management strategies to recommend to the City Commission.

Policy 6.1 The City of Miramar in coordination with Broward County, shall provide for an energy efficient roadway network and work to reduce greenhouse gasses through implementation of, but not limited to, the following programs, activities, or actions:

1. Through participation in the MPO, address single occupant vehicle issues through transportation demand management (TDM) strategies, such as parking management strategies,

flex work hours, and shuttle services.

2. The City, in conjunction with other entities, shall make the existing transportation system operate more efficiently by continuing to implement Transportation System Management (TSM) strategies such as improving road conditions, intersection improvements, and computerized traffic signals.

3. Through participation in the MPO, work to reduce per capita vehicle miles traveled (VMT) below the year 2002-projected daily per capita VMT of 19.42 by implementing TDM strategies.

Policy 6.2 By year 2012, institute transportation systems management (TSM) and transportation demand management (TDM) programs in order to utilize existing facilities to maximum benefit and efficiency and to reduce traffic congestion through the use of such measures as van-pooling, car-pooling, flexible work schedules, transit usage, telecommuting, bicycle and pedestrian circulation, signal phasing, intersection geometry improvements, signal synchronization, resurfacing and maintenance.

Policy 6.3 As part of the TSM/TDM proposed in Policy 6.2 of this Element, develop the criteria and guidelines for implementing measures for major employment facilities in Miramar to help reduce traffic volumes in congested areas.

Policy 6.4 As part of the TSM/TDM proposed in Policy 6.2 of this Element, recommend incentives for inclusion in the Land Development Code, such as reductions in required parking spaces for employers, that encourage remote park and ride lots with employer provided transportation to the employment center.

Policy 6.5 Coordinate with Broward County officials in the continuing refinement of their transit development program to ensure the proper expansion of transit service within and east of the Water and Sewer Assessment Area.

Policy 6.6 The City of Miramar will participate with Broward County, the MPO, the FDOT, and the DCA, to analyze the feasibility of establishing, as a demonstration project along a FDOT proposed designated public transportation corridor (namely State Road 7 or University Drive), an overlay transit-oriented corridor (TOC) zoning district. The TOC land use was adopted in July, 2009. The feasibility study shall address the following factors:

1. The degree of interest in the corridor and the potential for implementation.

2. The amount of undeveloped land and the potential for redevelopment of existing land along the corridor.

3. The roadway level of service and public transit ridership along the corridor.

4. The type of development incentives needed to encourage transit oriented development (TOD) within a TOC zoning district. These incentives could include any combination of the following: reduced parking requirements; waiver or partial waiver of impact fees and other development related costs; public funding of transit-oriented development improvements (such as bus bays, bus benches and shelters, pedestrian facilities and connections to bus stop, etc.).

5. The development of a roadway and public transit monitoring system. The monitoring system should provide for measuring, on a least an annual basis, the roadway and transit impacts along the corridor, the roadway and transit impacts of transit-oriented developments versus auto-oriented developments along the corridor.

6. The potential for securing grant funding for the demonstration project, including the hiring of a full-time transit corridor coordinator.

Policy 6.7 The City of Miramar shall provide for energy efficient bikeway and pedestrianway networks through implementation of, but not limited to, the following programs, activities, or actions:

1. The City shall, once every five years, update the Bicycle and Pedestrian Facilities Plans.

2. The City shall continue to require bikeway/pedestrianway facilities and connections among adjoining properties through the platting and site plan review process.

Policy 6.8 The City of Miramar shall provide for an energy efficient recreational traffic network and work to reduce greenhouse gases through participation with Broward County in the development of a recreational transportation network plan that focuses on non-motorized vehicles.

Policy 6.9 The City shall provide for an energy-efficient public transit network through implementation of, but not limited to, the following programs, activities, or actions:

1. Continue to deliver community bus service for residents.

Objective 7

~~The City of Miramar shall achieve an aesthetically pleasing transportation circulation environment that is compatible with adjacent development.~~

~~Evaluation Measure 7~~

~~By 2012, increase the number of enhanced roadways links in the City through the increase of landscaping and beautification improvements.~~

~~Policy 7.1 The City shall maintain, and enhance where possible, the strict landscape and design standards for the Miramar Parkway Scenic Corridor in the Land Development Code.~~

~~Policy 7.2 The City shall continue to utilize the City's Landscape and Miramar Parkway Scenic Corridor Ordinances to landscape and beautify existing traffic network facilities.~~

~~Policy 7.3 The City shall effectively implement existing Land Development Regulations that require the landscaping and beautification of all road improvement projects, including parking lots, and ensure adherence to the City's Master Street Tree Planting Plan.~~

~~Policy 7.4 The City shall prevent visual pollution by limiting and controlling the number and size of signs and by strict enforcement of signage standards contained in the City's adopted Sign Code.~~

III. Housing Element

Goal I

~~**Assure the availability of a full range of housing types and values, and a diversity of location choices for all current and future residents of Miramar; which promote energy efficient design and construction principles and use/renewable energy resources**~~

Provide locations at varying densities to accommodate adequate and affordable housing for all segments of the existing and future population, including those households with very-low, low, and moderate income and those with special housing needs, including unhoused individuals or families.

~~**Objective 1**~~

Objective 1.1

~~Continue to offer a full variety of housing types and price ranges to meet the needs of the projected population including all income sectors; which promote energy efficient design and construction principles, and use renewable energy resources.~~

The City shall focus on maintaining housing strategies that focus specifically on assisting the very low-, low- and moderate-income residents with their housing needs. By 2035, at least 5% of all new residential developments shall accommodate residents of multiple incomes (e.g. mixed-income developments).

~~Policy 1.1 Permit mobile homes, manufactured housing and other similar housing types in any areas designated for Residential Land Use on the Future Land Use Map provided they are permanently anchored, State-certified, and satisfy all provisions contained in the City's Land Development Regulations.~~

Policy 1.1.1 Affordable housing units should focus on providing shelter to extremely low, very low-, low-, and moderate-income residents, small families, single person households, and economically vulnerable households such as aging residents or medically vulnerable populations.

~~Policy 1.2 Through effective redevelopment strategies, such as the adopted Transit Oriented Corridor land use designation and affordable housing programs, create a linkage between employment and housing demand, and develop a mechanism through which the mix of housing demanded by new employees is provided close to employment centers.~~

Policy 1.1.2 Implement incentives through the City's Comprehensive Plan and Land Development Code that encourage private-sector and non-profit organization investment in the construction of new affordable housing units.

~~Policy 1.3 Maintain sufficient acreage in low density designations to ensure the production of housing for all income families with the amenities and open spaces associated with such development.~~

Policy 1.1.3 Establish and maintain financial assistance programs to support homeowners experiencing financial hardship due to unforeseen circumstances. These programs will provide immediate relief to help prevent foreclosures or forced sales due to mortgage or property tax delinquencies.

~~Policy 1.4 By 2012, the City shall include provisions to support the Transit Oriented Corridor in the Land Development Code to encourage all income, mixed use housing and alternative residential types within proposed developments. The City shall continue to support the Traditional Neighborhood Development District (TNDD) and the State~~

~~Road 7 Corridor Overlay District which encourages all income, mixed use housing and alternative residential types~~

Policy 1.1.4 Implement programs and partnerships to assist residents at risk of foreclosure by providing resources such as financial counseling, foreclosure prevention education, and access to housing assistance programs on a quarterly basis.

~~Policy 1.5 By 2012, the City shall include provisions in the Land Development Code to permit housing development in commercial districts, as a conditional use (except in the case of mixed use developments), consistent with the permitted uses of the commercial land use category.~~

Policy 1.1.5 Utilize Federal, State and County Hazard Mitigation Grant Programs to assist homeowners with retrofitting homes to withstand catastrophic events, such as hurricanes, tornadoes, flooding, and fire.

~~Policy 1.6 Continually seek ways to improve the public regulatory and permitting process, and the public/private housing delivery process.~~

Policy 1.1.6 Identify new opportunities such as grants, programs, and partnerships that will increase funding for the construction of new affordable housing. Furthermore, the City should increase the capacity of non-profit housing providers to provide affordable units.

~~Policy 1.7 Provide flexibility in the Land Development Code to allow the development of affordable housing while preserving neighborhood and housing quality.~~

Policy 1.1.7 Create a land acquisition program that utilizes a combination of funding sources to strategically purchase land with the intent of providing affordable housing units in locations consistent with dense, infill development.

~~Policy 1.8 Provide incentives for the development of affordable housing, such as expedited review of applications for permits and development orders; or modified impact fee requirements, including reduction or waiver of fees and alternative methods of payment.~~

Policy 1.1.8 Cooperate with the home mortgage industry to provide first-time homebuyer education and assistance for lower income households.

Policy 1.1.9 Assist the private housing market to the maximum extent feasible to maintain a vacancy rate range of four to six percent to help ensure sufficient opportunity for mobility to residents with changing housing needs and to prevent deterioration of the housing stock and supporting foreclosure prevention initiatives to promote housing stability and community resilience.

Policy 1.1.10 Provide non-profit, community-based organizations technical assistance, marketing and financial planning assistance, and public improvements (if funding is available) such as street improvements, curbing, landscaping and public open spaces, drainage and street lighting.

~~**Objective 2**~~

~~Maintain, and continually update, the current Land Development Code which establishes rules, consistent with State and Broward County law, for the siting of group homes and foster care facilities, and other special housing needs.~~

~~Policy 2.1 Continue to adhere to the principles and guidelines established by the Florida Department of Health and Rehabilitative Services for the siting of group homes and foster care facilities, and update City regulations as changes occur over time.~~

~~Policy 2.2 Adopt as part of the Land Development Code by 2012, an Ordinance for handicapped accessibility to ensure adequate housing and "barrier free" neighborhoods in accordance with State and Federal standards.~~

~~Policy 2.3 Ensure the continued availability of land designated at suitable densities in close proximity to urban services and facilities to serve the needs of the elderly population.~~

Objective 1.2

Continue to implement the adopted five-year Consolidated Plan for the purpose of coordinating housing construction and employment demand to meet the housing needs of very low-, low- and moderate-income residents, to the maximum extent practicable, through the Community Development Block Grant (CDBG) Program, State Housing Initiatives Program (SHIP), potential Housing Finance Authority and other affordable housing strategies.

Policy 1.2.1 The City shall continue to include statements supporting fair housing and addressing anti-displacement and relocation housing.

Policy 1.2.2 Maintenance of Housing Stock should be addressed through SHIP and CDBG funding. The City's residential rehabilitation program provides home repair assistance to low to moderate-income owner-occupied homeowners in the City who need repairs to correct code violations, health, and safety issues, electrical, plumbing, roofing, windows and other structural items. Other repairs the program intents to support include hurricane protection, weatherization improvements, energy and efficiency/conservation improvements. The primary purpose of the program is to provide repairs necessary to provide safe and decent housing, eliminate any instances of substandard housing, and preserve the City's affordable housing stock.

Policy 1.2.3 Homeownership Assistance should be addressed through SHIP and HOME to assist eligible first-time homebuyers with a loan to be applied towards the cost of purchasing existing or newly constructed (with a Certificate of Occupancy) eligible affordable housing. Eligible costs include the following: down payment, closing costs, mortgage buy down, rehabilitation, and other costs associated with purchasing a home.

Policy 1.2.4 Maintenance of Homeownership should be addressed through a counseling program to ensure that all homebuyers and homeowners understand processes and tasks that arise during the home purchasing process or during homeownership.

Policy 1.2.5 Affordable Rental Housing is addressed through SHIP and CDBG funding. The City's Rental Assistance program which provides first and/or last month of rent, security deposit, and utility connection/start-ups to assist low to moderate-income households to obtain quality, safe, decent, and affordable rental housing.

Policy 1.2.6 Foreclosure Prevention should be addressed through SHIP funding. The Foreclosure prevention program offers assistance and provides qualified homeowners the opportunity to avoid foreclosures and retain their homes. The program is designed to — aids eligible low to very low-income households that need immediate financial assistance to either stop their homes from being foreclosed or sold for non-payment of taxes.

Policy 1.2.7 Utility Service Availability should be addressed through a city funded grant program that provides financial assistance to low-income homeowners to facilitate connection to the City's main sewer system.

~~**Objective 3**~~

~~Assist the private housing market to the maximum extent feasible to maintain a vacancy rate range of four to six percent to help ensure sufficient opportunity for mobility to residents with changing housing needs and to prevent deterioration of the housing stock.~~

~~Policy 3.1 Conserve existing housing units and maintain the integrity of neighborhoods through vigorous code enforcement.~~

~~Policy 3.2 Prevent deterioration of established residential neighborhoods by denying land use amendments and rezoning which would create excessive traffic and/or noise pollution, reduces public safety, or reduce access to education, jobs, shopping, health facilities, recreation, public transportation and/or social services for existing residents.~~

~~Policy 3.3 Continue to identify and work with neighborhood and civic groups, to invite their input into the planning and land development process on an ongoing basis as it affects their neighborhoods and the city as a whole.~~

~~Policy 3.4 Cooperate with the home mortgage industry to provide first-time homebuyer education and assistance for lower income households.~~

~~Policy 3.5 Provide adequate public services and infrastructure to support housing development and rehabilitation.~~

~~Policy 3.6 Provide community facilities that strengthen neighborhood housing markets as well as enhance the quality of life.~~

~~Policy 3.7 Coordinate policies with the Broward County School Board that strengthen local schools and fully utilize schools as community assets.~~

~~Policy 3.8 Continue to implement the Miramar Neighborhood Development Master Plan to guide public and private investment and land use decisions within specific neighborhoods.~~

~~Policy 3.9 Continue to utilize the TOC land use, the TNDD, and the State Road 7 Corridor Overlay mixed use zoning districts that provides for a mix of housing types within proximity to each other.~~

Objective 1.3

Eliminate substandard housing conditions in the units identified by the U.S. Census as lacking complete plumbing and kitchen facilities, and improve the structural and aesthetic condition of existing housing.

Policy 1.3.1 Improve existing housing through balanced code compliance and housing rehabilitation programs based on guidelines and standards for the conservation, rehabilitation and demolition of housing, and for the identification of historically significant housing.

Policy 1.3.2 Identify substandard units for participation in Housing Rehabilitation Programs when homeowners qualify for such assistance.

Policy 1.3.3 Utilize the Residential Rehabilitation Program to identify those structures with substandard internal conditions through and provide direct funds to assist with bringing structures up to current building code standards.

Policy 1.3.4 Cooperate with the Broward County in utilizing available housing and rental rehabilitation programs to renovate deteriorated units and maintain the available supply of these units for low- and moderate-income families.

~~**Objective 4**~~

~~Continue to implement the adopted Consolidated Plan for the purpose of coordinating housing construction and employment demand to meet the housing needs of very low, low and moderate income residents, to the maximum extent practicable, through the Community Development Block Grant (CDBG) Program, State Housing Initiatives Program (SHIP), potential Housing Finance Authority and other affordable housing strategies.~~

~~Policy 4.1 As part of the adopted Consolidated Plan the City shall continue to include statements supporting fair housing and addressing anti-displacement and relocation housing.~~

~~Policy 4.2 As part of the Consolidated Plan the City has adopted a housing strategy that focuses specifically on assisting the very low, low and moderate income residents with their housing needs.~~

~~Policy 4.3 The City, with the cooperation of other entities, shall assist the following number of households:~~

~~***Maintenance of Housing Stock*** is addressed through SHIP and CDBG funding. If SHIP funding remains stable, a total of 135 very-low and low income families will each receive an average of $10,000 of home repair/weatherization assistance, for a total of $1,350,000. If CDBG funding is provided at the recommended level of $200,000 per year, a total of 90 low income households will receive assistance totaling about $1,000,000, which includes the cost of providing housing counseling and rehabilitation services to beneficiaries.~~

~~***Homeownership Assistance*** is addressed through SHIP. If SHIP funding remains stable, 60 very-low and low income households will receive purchase assistance totaling $600,000. Another $25,000 of SHIP funds will be made available over a five-year period for Home Ownership Counseling. Approximately 10% of SHIP funds ($213,000) will be used to administrate and implement both SHIP Homeownership Assistance and Home Repair activities. Additionally, the Broward County Office of Housing Finance historically uses HOME and SHIP funding to leverage homeownership financing for Miramar households in an amount of over $1,000,000 per year. Miramar residents will also utilize FHA homeownership assistance financing.~~

~~***Affordable Rental Housing*** priorities are addressed through Section 8 rental assistance funding. If HUD Section 8 rental assistance funding remains stable, as many as 164 very-low income families will receive assistance totaling approximately $1,280,000 from the three (3) public housing authorities currently serving Miramar.~~

~~**Objective 5**~~

~~By 2012, assist affected homeowners and rental owners in eliminating substandard housing conditions in the units identified in the 2010 U.S. Census as lacking complete plumbing and kitchen facilities. Improve the structural and aesthetic condition of existing housing through balanced code enforcement and housing rehabilitation programs, and by 2012, develop guidelines and standards for the conservation, rehabilitation and demolition of housing and for the identification of historically significant housing.~~

Policy 5.1 Utilize the Residential Rehabilitation Program to identify those structures with substandard internal conditions through and provide direct funds to assist with brings the structures up to current building code standards.

Policy 5.2 Target the identified substandard units for participation in Housing Rehabilitation Programs when homeowners qualify for such assistance.

Policy 5.3 Utilize Federal, State and County Hazard Mitigation Grant Programs to assist homeowners with retrofitting homes to withstand catastrophic events, such as hurricanes, tornadoes, flooding and fire.

Policy 5.4 As part of the duties and responsibilities of the Community Appearance Board, all new development and redevelopment, with the exception of individual single family and duplex units, shall continue to be reviewed for compliance with the Community Design Standards which include architectural, signage and landscaping standards.

Policy 5.5 Cooperate with the Broward County Community Development Division in utilizing available housing and rental rehabilitation programs to renovate deteriorated units and maintain the available supply of these units for low and moderate income families.

Policy 5.6 By 2012 the City will conduct a survey of all structures built before 1950 for potential historic significance, and initiate a list of historically significant housing identified by the survey for preservation.

Objective 6

By 2012, develop and maintain records of adequate sites and distribution of housing for very low income, low income, and moderate income households; adequate sites for mobile and manufactured homes, and adequate sites in residential areas for licensed group homes and foster home care facilities.

Policy 6.1 By 2012, the City will submit to the Department of Community Affairs (DCA), in accordance with Future Land Use (FLU) Policy 10.5, a vacant land assessment which will identify sufficient sites at appropriate densities to accommodate the need for affordable housing, mobile and manufactured homes, and adequate sites in residential areas for licensed group homes and foster care facilities.

Policy 6.2 Recommendations regarding density increases, amendments to the future land use map and future land use categories will be included within the vacant land assessment which will be submitted to DCA in2012, in accordance with FLU Policy 10.5.

Policy 6.3 The City will use the following principles and criteria to guide the location of affordable housing for low, very low and moderate income families, mobile home, group homes and foster care facilities, households with special needs, including those with AIDs:

a) Locate affordable housing proximate to employment centers
b) Locate affordable housing proximate to transportation corridors
c) Ensure residential land is available on the Future Land Use Map at adequate densities of five (5) to fifteen (15) dwelling units per acre to support affordable housing development.
d) Ensure that adequate infrastructure and public facilities are available to support affordable housing development.

Objective 7

~~The City shall encourage energy efficient design and construction in the creation of housing, including the use of renewable energy resources which may be redevelopment projects or on lands owned by the City.~~

~~Policy 7.1 The City shall promote new housing projects throughout the City in coordination with other agencies which use energy conservation principles.~~

~~Policy 7.2 The City shall promote new housing projects which contain compact building design principles, mixed use, medium to high densities, promote pedestrian activity and support multi-modal transportation options by offering density and intensity bonus and fast tracking options.~~

~~Policy 7.3 The City shall encourage the use of urban design principles according to the Broward County Urban Design Element in housing projects by offering density and intensity bonuses and fast tracking options.~~

~~Policy 7.4 The City shall promote housing projects which use renewable energy resources in construction, reduce public infrastructure costs and reduce impacts on natural resources by offering density and intensity bonuses and fast tracking options.~~

~~Policy 7.5 The City shall encourage developers to comply with green certification standards found with Florida Green Building Coalitions, US Green Building Council Leadership in Energy and Environmental Design (LEED) or other acceptable environmental and commercial building standards, which generally include the following:~~

~~a. Community/Neighborhood - use of compact building design; energy efficient street lighting; energy efficient automobiles/transit.~~

~~b. Lot Choice – priority use of small properties in urban areas; use of "Brownfield" lands that can be cleaned; use of lands close to sewer and power lines, mass transit or green space.~~

~~c. Site Choice – re-create or preserve wildlife habitat or shelter, replant or donate vegetation, use cleared material for mulch or landscaping or stabilizing soil and reuse topsoil.~~

~~d. Water efficiency/Conservation – use of very efficient clothes washers, low-flow toilets or waterless urinals; use of reclaimed water; innovative irrigation or drought tolerant plants; use of rain gardens, bioswales and cisterns.~~

~~e. Energy Efficient/Conservation – use of light-colored exterior walls; buildings shaded on the east and west by trees; properly maintained air-conditioners; use of ceiling fans; energy efficient appliances and indoor lighting; efficient well-pumping; use of alternate electrical grids; use of wind/solar/natural gas energy.~~

~~f. Materials – use of building materials with recycled content; eco-friendly insulation; lumber from sustainable sources; or locally produced materials.~~

~~Policy 7.6 The City shall participate in an Energy Conservation Educational Program in coordination with other local governments and stakeholders to promote the benefits of "Green Living".~~

Goal 2

Continue to offer a full variety of housing types and price ranges to meet the needs of the projected population including all income sectors, which promote energy efficient design and construction principles, and use renewable energy resources. Ensure the availability of a diverse range of housing types, values, and locations for all current and future residents of Miramar through an increase in supply of safe, affordable and sanitary housing for extremely low-, very low-, low-, and moderate-income households and the aging residents.

Objective 2.1

The City shall encourage the development of housing projects that address all income ranges and encompass quality amenities.

Policy 2.1.1 Provide flexibility in the Land Development Code to allow the development of affordable housing while preserving neighborhood and housing quality.

Policy 2.1.2 Provide community facilities that strengthen neighborhood housing markets as well as enhance the quality of life.

Policy 2.1.3 The City shall continue to support local and regional activity centers which encourages all income, mixed use housing and alternative residential types.

Policy 2.1.4 Through effective redevelopment strategies, create a linkage between employment and housing demand, and develop a mechanism through which the mix of housing demanded by new employees is provided close to employment centers.

Policy 2.1.5 Continue to identify and work with neighborhood and civic groups, to invite their input into the planning and land development process on an ongoing basis as it affects their neighborhoods and the city as a whole.

Policy 2.1.6 Coordinate policies with the Broward County School Board that strengthen local schools and fully utilize schools as community assets.

Objective 2.2

Guide the location of affordable housing for low, very low- and moderate-income families, mobile home, group homes and foster care facilities, households with special needs, including medically vulnerable populations, and unhoused individuals and families.

Policy 2.2.1 The City will use the following principles and criteria:

1. Locate affordable housing proximate to employment centers.
2. Locate affordable housing proximate to transportation corridors.
3. Ensure residential land is available on the Future Land Use Map at adequate densities of five (5) to fifteen (15) dwelling units per acre to support affordable housing development.
4. Ensure that adequate infrastructure and public facilities are available to support affordable housing development.

Policy 2.2.2 Permit mobile homes, manufactured housing and other similar housing types in any areas designated Trailer / Mobile Home Park on the City's Zoning Map provided they are permanently anchored, State-certified, and satisfy all provisions contained in the City's Land Development Regulations.

Policy 2.2.3 Coordinate with Broward County, Miami-Dade County, major municipalities of the region, the South Florida Regional Planning Council, and the State Department of Health and Rehabilitative Services in the development of a coordinated plan to address homelessness in South Florida and provide adequate shelter facilities for those households.

Objective 2.3

The City shall encourage energy efficient design and construction in the creation of housing, including the use of renewable energy resources which may be redevelopment projects or on lands owned by the City.

Policy 2.3.1 The City shall promote new housing projects throughout the City in coordination with other agencies which use energy conservation principles.

Policy 2.3.2 The City shall promote new housing projects which contain compact building design principles, mixed use, medium to high densities, promote pedestrian activity and support multi-modal transportation options by offering density and intensity bonus and fast-tracking options.

Policy 2.3.3 The City shall encourage the use of urban design principles according to the Broward County Urban Design Element in housing projects by offering density and intensity bonuses and fast-tracking options.

Policy 2.3.4 The City shall promote housing projects which use renewable energy resources in construction, reduce public infrastructure costs and reduce impacts on natural resources by offering density and intensity bonuses and fast-tracking options.

Objective 2.4

The City shall encourage developers to comply with green certification standards found with Florida Green Building Coalitions, US Green Building Council Leadership in Energy and Environmental Design (LEED) or other acceptable environmental and commercial building standards.

Policy 2.4.1 Projects should utilize community/neighborhood concepts such as the use of compact building design; energy efficient street lighting; and energy efficient automobiles/transit.

Policy 2.4.2 Projects should consider lot choice by prioritizing the use of small properties in urban areas, “Brownfield” lands that can be cleaned, and lands close to sewer and power lines, mass transit or green space.

Policy 2.4.3 Projects should emphasize site choice by re-creating or preserving wildlife habitat or shelter, replant or donate vegetation, use cleared material for mulch or landscaping or stabilizing soil and reuse topsoil.

Policy 2.4.4 Projects should be mindful of water efficiency/conservation by utilizing very efficient clothes washers, low- flow toilets or waterless urinals, use of reclaimed water, innovative irrigation or drought tolerant plants, and use of rain gardens, bioswales and cisterns.

Policy 2.4.5 Projects should be mindful of energy efficient/conservation by utilizing light-colored exterior walls, buildings shaded on the east and west by trees, properly maintained air-conditioners, use of ceiling fans, energy efficient appliances and indoor lighting, efficient well-pumping, use of alternate electrical grids, and use of wind/solar/natural gas energy.

Policy 2.4.6 Projects should utilize building materials with recycled content, eco-friendly insulation, lumber from sustainable sources, or locally produced materials.

Goal 3

Continue enforcing and strengthening policy language and land development regulations to increase the supply of safe, affordable and sanitary housing for extremely low-, very low-, low-, and moderate-income households and the aging residents.

Objective 3.1

Conserve existing housing units and maintain the integrity of neighborhoods through sound land planning and vigorous code enforcement.

Policy 3.1.1 Provide adequate public services and infrastructure to support housing development and rehabilitation.

Policy 3.1.2 Prevent deterioration of established residential neighborhoods by denying land use amendments and rezoning which would create excessive traffic and/or noise pollution, reduces public safety, or reduce access to education, jobs, shopping, health facilities, recreation, public transportation and/or social services for existing residents.

Policy 3.1.3 Develop comprehensive neighborhood redevelopment plans and programs that encourage private developers to build new, or rehabilitate old residential structures and ensure that public investments are coordinated with private sector developments to increase the overall attractiveness of redeveloping neighborhoods.

Policy 3.1.4 As part of the duties and responsibilities of the Community Appearance Board, all new development and redevelopment, with the exception of individual single family and duplex units, shall continue to be reviewed for compliance with the Community Design Standards which include architectural, signage and landscaping standards.

Policy 3.1.5 The City should conduct a survey of all structures built before 1950 for potential historic significance, and initiate a list of historically significant housing identified by the survey for preservation.

Policy 3.1.6 Develop guidelines and standards for the conservation, rehabilitation and demolition of housing and for the identification of historically significant housing.

Objective 3.2

Continually seek ways to improve the public regulatory and permitting process, and the public/private housing delivery process.

Policy 3.2.1 Provide flexibility in the Land Development Code to allow the development of affordable housing while preserving neighborhood and housing quality.

Policy 3.2.2 Provide incentives for the development of affordable housing, such as expedited review of applications for permits and development orders; or modified impact fee requirements, including reduction or waiver of fees and alternative methods of payment.

Policy 3.2.3 Provide developers with training and/or workshops on available City affordable housing programs and expedited affordable housing processes.

Policy 3.2.4 Streamline, as much as possible, the City's processes for request for proposals (RFP) and the provisions of multi-year funding.

Objective 3.3

Maintain, and continually update, the current Land Development Code which establishes rules, consistent with State and Broward County law, for the siting of group homes and foster care facilities, and other special housing needs.

Policy 3.3.1 Continue to adhere to the principles and guidelines established by the Florida Department of Health and Rehabilitative Services for the siting of group homes and foster care facilities, and update City regulations as changes occur over time.

Policy 3.3.2 Ensure the continued availability of land designated at suitable densities in close proximity to urban services and facilities to serve the needs of the aging population.

Objective 3.4

Maintain records of adequate sites and distribution of housing for very low income, low income, and moderate income households and adequate sites in residential areas for licensed group homes and foster home care facilities.

Policy 3.4.1 Maintain a vacant land assessment which will identify sufficient sites at appropriate densities to accommodate the need for affordable housing and adequate sites in residential areas for licensed group homes and foster care facilities.

~~IV(a). Potable Water/Aquifer Recharge Sub-Element~~

IV. Infrastructure Element

Goal I – Potable Water / Aquifer Recharge

~~Ensure an adequate supply of good quality potable water and provide an efficient, cost-effective and environmentally safe water distribution and treatment system to meet adopted levels of service for all the needs of Miramar's existing and future development~~

The City of Miramar will manage its water resources and infrastructure by providing an efficient, cost-effective and environmentally safe water distribution and treatment system to meet the adopted levels of service for its current and future residents, visitors, and businesses as related to future land uses and projections.

Objective 1.1

~~As required for future residents and as desired by existing residents, continue to provide potable water from the municipal water system to all Miramar residents within and east of the Water Assessment Area.~~ To guide water service planning and delivery in the City of Miramar through adoption of long-term supply plans, coordination with Broward County, and enforcement of service, quality, and infrastructure standards.

~~Policy 1.1~~

Policy 1.1.1 The City of Miramar hereby adopts by reference the 202~~0~~5 Water Supply Facilities Work Plan (Work Plan) for a planning period of not less than 10 years. The Work Plan addresses issues that pertain to water supply facilities and requirements needed to serve current and future development within the City of Miramar water service area. The City of Miramar shall review and update the Work Plan at least every 5 years, within 18 months after the Governing Board of the SFWMD approves an update to the LECWSRP. Any changes affecting the Work Plan shall be included in the annual Capital Improvements Plan update to ensure consistency between the Potable Water sub-element and the Capital Improvements element.

~~Policy 1.2~~

Policy 1.1.2 The City shall continue coordinating with Broward County on water service that is within its service, and as such, hereby adopts by reference and incorporate herein, the 202~~0~~X Broward County 10-Year~~s~~ Water Supply Facilities Work Plan, as reviewed and updated at least every 5 years, within 18 months after the SFWMD approves an update to the LECWSRP.

~~Policy 1.3 To provide a means for extension of services beyond the Water Assessment area, the City has adopted and will enforce the Uniform Extension Policy in Ordinance 88–30, as amended.~~

Policy 1~~.~~4.1.3 Provide a level of service of 325 gallons per day (gpd) per Equivalent Residential Connection (ERC) to all City water system users.

~~Policy 1.5 Protect the quality of Miramar's potable water supply by continuing to enforce regulations in the Land Development Code and required conditions in Water Service Agreements that prohibit regulated substances, as defined by the Broward County Wellfield Protection Ordinance, in present and future wellfield cones of influence.~~

~~Policy 1.6 Continue to improve and maintain the transmission mains from the East Water Plant to the service area to improve water flow and provide adequate fire protection.~~

Policy 1.1.4 Protect the quality of Miramar's potable water supply by enforcing the Land Development Code and Water Service Agreement conditions that prohibit the use or storage of regulated substances, as defined by the Broward County Wellfield Protection Ordinance, within current and future wellfield cones of influence.

Policy 1.1.5 The level of service shall be consistent with the City's two water providers: the City of Miramar and Broward County. The LOS Standard should be consistent with their data and analysis of existing and projected water usage and demands as found in their respective work plans. Broward County has determined a LOS standard of 127 gallons per capita per day (gpcd) for finished water. The City of Miramar has determined a LOS standard of 125 gpcd within its service area. To this end, the City of Miramar is adopting a maximum of 125 gpcp for sizing its water treatment system.

Policy 1.1.6 Water shall be delivered to users at a pressure no less than 35 pounds per square inch (psi) and no greater than 70 psi.

Policy 1.1.7 Water quality shall meet all federal, state, and county primary standards for potable water.

Policy 1.1.8 Maintain minimum fire flows based on land use served as listed below:

Minimum Fire Flows	
Single Family	500 gpm
Multi-Family Residential	1,500 gpm
Professional Offices	1,500 gpm
Schools & Hospitals	2,000 gpm
Business & Industry	3,000 gpm

~~**Objective 2**~~
Objective 1.2

~~Expand and redevelop the water supply and treatment plant capacity in eastern and western Miramar to serve future growth in the Water Service Area.~~ Plan and implement the expansion and redevelopment of water supply and treatment facilities to ensure reliable service and adequate capacity for projected future growth.

~~Policy 2.1 Continue to revamp the City's potable water system (raw water supply, treatment plants, and distribution system) for future growth and sustainability. Maintain a city wide storage capacity of 10 MG, and minimum distribution system pressures of at least 35 PSI as required by fire protection standards. These inter-related improvements are intended to serve the Water Assessment Area and those areas initiating service through the provisions in the Uniform Extension Policy, Ordinance 88-30, as amended.~~

~~Policy 2.2 Continue to implement the recommendations of the 10-Year Water Facilities Work Plan Update to address redundancy and maintain production capacity of the West Wellfield and Water Treatment Plant. Maintain and expand alternative water supplies as needed to offset future water demand and ensure available water supply for the City.~~

~~Policy 2.3 Continue to implement the recommendations of the 10-Year Water Facilities Work Plan Update by performing well redevelopment and process modifications for the East Wellfield and Water Treatment Plane to improve system reliability and treatment efficiency. Maintain and expand alternative water supplies as needed to offset future water demand and ensure available water supply for the City.~~

Policy 1.2.1 The City shall continue to modernize its potable water infrastructure including raw water sources, treatment plants, and distribution systems to accommodate projected population growth and ensure long-term system sustainability. The City shall maintain a minimum citywide potable water storage capacity of 16.5 million gallons (MG) by

2045 and shall ensure that the distribution system sustains a minimum pressure of 35 pounds per square inch (PSI) under all operating conditions, in compliance with applicable fire protection and public health standards.

Policy 1.2.2 Advance the 10-Year Water Facilities Work Plan recommendations to strengthen redundancy, increase production capacity at the West Water Treatment Plant, and maintain alternative supplies from the Floridan aquifer.

Policy 1.2.3 Continue implementing the recommendations of the 10-Year Water Facilities Work Plan Update through well redevelopment and process modifications that enhance system reliability and treatment efficiency.

~~**Objective 3**~~
Objective 1.3

Continue to target a maximum of 10% unaccounted for water throughout the planning period. Sustain a system-wide non-revenue water (NRW) rate at or below 10% through proactive monitoring, leak detection, and operational improvements over the planning horizon.

~~Policy 3.1~~

Policy 1.3.1 ~~Perform annual calibration of raw water and distribution meters as required by regulation.~~ The City shall maintain a comprehensive metering program for potable water supply, transmission and distribution systems to ensure accurate measurement, operational transparency, efficient management of water resources and support for system planning, billing and water-loss control.

~~Policy 3.2 Implement a leak detection program, customer meter changes, and appropriate conservation practices.~~

Policy 1.3.2 The City shall implement and maintain a comprehensive leak detection and control program to minimize water losses, enhance operational efficiency, and extend the service life of its potable water distribution infrastructure. This program shall include routine system monitoring, acoustic leak surveys, metered zone analysis, and prompt investigation and repair of suspected leaks.

~~**Objective 4**~~
Objective 1.4

~~The City shall continue to develop alternative water supplies by utilizing the Floridian Aquifer and Reverse Osmosis treatment system and expansion of the reclaimed water treatment and distribution system to meet the City's future demands~~ The City shall expand alternative water supplies by leveraging the Floridan Aquifer and reverse osmosis systems, and by upgrading existing nanofiltration facilities to increase treatment capacity and meet future demand.

~~Policy 4.1 Maintain use of the Floridian Aquifer and Reverse Osmosis treatment system to reduce dependence on the Biscayne aquifer and supplement the City's water supply.~~

Policy 1.4.1 Sustain and expand the use of the Floridan Aquifer and reverse osmosis treatment system to reduce reliance on the Biscayne Aquifer while meeting projected demand and supporting long-term water supply reliability.

~~Policy 4.2~~

Policy 1.4.2 ~~Implement the recommendations of the 10 Year Water Supply Facilities Work Plan Update with regard to the Reclaimed Water System Expansion, to recharge regional water supplies and to offset future water demands.~~ Implement the 10-Year Water

Supply Facilities Work Plan recommendations related to reclaimed water system expansion to enhance aquifer recharge and offset future potable water demand.

~~**Objective 5**~~
Objective 1.5

~~To protect groundwater aquifer recharge areas and prevent flooding, maintain site standards for impervious/pervious area ratios and on-site detention/retention facilities, as part of a Master Local Area Drainage Plan.~~
To protect groundwater aquifer recharge areas and prevent flooding, maintain site standards for impervious/pervious area ratios and on-site detention/retention facilities.

~~Policy 5.1 Utilize recognized standards consistent with those used by Broward County, regional and local water control agencies, and the other local municipalities in developing standards for Miramar in cooperation with the South Florida Water Management District and as a component of the proposed City Master Local Area Drainage Plan.~~

Policy 1.5.1 The City shall encourage new and existing developments to retain storm water on site in an effort to promote groundwater infiltration. Post-development runoff shall not exceed pre-development runoff.

~~**Objective 6**~~
Objective 1.6

~~Continue to cooperate and coordinate with the SFWMD in implementing the Lower East Coast Water Supply Plan Update and the Water Conservation Program described in Chapter 21, Article III, Code of the City of Miramar, to protect the minimal seasonal flows and levels of surface water sources, as established by the SFWMD, as well as potable water supply.~~ Continue to coordinate with the South Florida Water Management District (SFWMD) in implementing the Lower East Coast Water Supply Plan Update and the City's Water Conservation Program, as outlined in Chapter 21, Article III of the Miramar Code of Ordinances, to protect minimum seasonal flows and levels of surface water sources and ensure the sustainability of the City's potable water supply.

~~Policy 6.1~~
Policy 1.6.1 The City shall continue to incorporate ~~require adherence to the principles of xeriscape,~~ Florida-Friendly Landscaping™ Program in landscape plans, in accordance with ~~as promulgated by~~ the standards of the South Florida Water Management District and as set forth ~~contained~~ in ~~Miramar's~~ the City's Land Development Code, on landscape plans for all new development and redevelopment projects.

Policy 1.6.2 The City shall continue to require compliance with recognized water conservation practices, as outlined in the City's Land Development Code, the City's Water Shortage Ordinance, the City's Year-Round Landscape Irrigation Ordinance and all applicable guidelines of the SFWMD.

~~Policy 6.2~~
Policy 1.6.3 ~~The City shall continue to implement a public information/education program targeting residential water conservation.~~ The City shall maintain and enhance public outreach initiatives that educate residents on water conservation practices and encourage long-term reductions in household water use.

~~Policy 6.3~~

Policy 1.6.4 The City shall continue to enforce, and update as necessary, Chapter 21, of Miramar's Code of Ordinances to ensure the City's consistency with the SFWMD Water Conservation Plan.

~~Policy 6.4~~

Policy 1.6.5 The City shall continue to limit hours of irrigation at such times that an "emergency situation" is declared by SFWMD.

~~Policy 6.5~~

Policy 1.6.6 The City shall continue to enforce regulation that potable water system supplies water for only ordinary domestic type uses and does not supply water to any irrigation piping system in new development areas.

~~Policy 6.6~~

Policy 1.6.7 The City shall continue to enforce regulations requiring ~~that where~~ reclaimed water to be used for irrigation purposes ~~is~~ wherever available~~. it shall be used for irrigation purposes.~~

~~Policy 6.7~~

Policy 1.6.8 The City shall continue to enforce ~~Florida Building Code and City regulation for~~ ultra-low volume plumbing fixture standards as required by the Florida Building Code and the City's Land Development Code ~~restriction on~~ for all new construction to support long-term water conservation goals.

~~Policy 6.8 The City shall continue to enforce City regulation water conservation based rate structure.~~

~~Policy 6.9 The City shall continue to implement the leak detection and meter replacement programs.~~

~~Policy 6.10~~

Policy 1.6.9 ~~The City shall continue to enforce Florida Building Code and City regulation requiring installation of rain sensors on new and existing irrigation systems.~~ The City shall enforce state and local requirements mandating rain sensors on new and existing irrigation systems to prevent unnecessary watering and promote water conservation.

~~Objective 7~~

Objective 1.7

~~Provide coordination of growth management policies and water resource management. Miramar will coordinate and cooperate with the SFWMD and other local, regional, state and federal agencies in the implementation of effective linkage between growth management and water resource management in the City.~~ The City of Miramar shall coordinate and cooperate with the South Florida Water Management District and other local, regional, state, and federal agencies to ensure effective integration of growth management and water resource planning. This coordination shall support sustainable development by aligning land use decisions with the availability, protection, and long-term management of water resources.

~~Policy 7.1~~

Policy 1.7.1 ~~The City shall consider the most current version of the SFWMD Lower East Coast Water Supply Plan in the annual updates of the Capital Improvements Plan.~~ The City shall incorporate the most current version of the South Florida Water Management

District's Lower East Coast Water Supply Plan into the annual update of the Capital Improvements Plan to ensure consistency with regional water supply strategies.

~~Policy 7.2~~

Policy 1.7.2 ~~The Work Plan should meet current and project potable water needs based on the availability and appropriate use of regional water resources and the combined use of alternative water supplies. The Work Plan shall incorporate alternative water supply projects from the SFWMD Lower East Coast Water Supply Plan. The Work Plan shall be consistent with the City's water use permit renewals.~~ The 10-Year Water Supply Facilities Work Plan shall address current and projected potable water needs by optimizing the use of regional water resources and incorporating alternative water supply strategies. The Work Plan shall include applicable alternative water supply projects identified in the South Florida Water Management District's Lower East Coast Water Supply Plan and shall remain consistent with the conditions of the City's water use permit renewals.

~~Policy 7.3~~

Policy 1.7.3 ~~The City will coordinate with Broward County to develop consistent work plans utilizing the principle within the SFWMD Lower East Coast Water Supply Plan.~~ The City will collaborate with Broward County to ensure water supply planning efforts are consistent and regionally integrated, in accordance with the guiding principles of the SFWMD Lower East Coast Water Supply Plan.

~~Policy 7.4~~

Policy 1.7.4 ~~The City shall coordinate with the SFWMD to ensure consistency between the City's and the District's planning efforts.~~ The City shall work collaboratively with the South Florida Water Management District to align its water supply planning with regional objectives, ensuring consistency across planning documents and implementation strategies.

~~Policy 7.5~~

Policy 1.7.5 ~~The City shall support efforts to integrate land use and water resource planning to ensure the availability of water for regional water management purposes with the City.~~ The City shall promote coordinated land use and water resource planning to secure reliable water availability for municipal needs and support broader regional water management goals.

~~Objective 8~~

Objective 1.8

~~Ensure long term sustainability of water supplies and treatment facilities by consideration of alternative water supplies, local partnerships, and potential climate change impacts.~~ Promote long-term water supply and treatment facility resilience through the use of alternative sources, interagency collaboration, and proactive adaptation to climate change.

~~Policy 8.1~~

Policy 1.8.1 ~~Increase sustainability of water supply through enhancement of wellfields, treatment facilities, and potential local agreements through the planning period.~~ Increase the sustainability of the City's water supply by enhancing wellfields and treatment facilities that support long-term water resource reliability throughout the planning period.

~~Policy 8.2 Increase reclaimed water production up to 60% of wastewater capacity over the 10-year planning period to promote regional goals of aquifer recharge. In addition, the City shall explore the potential to become a regional supplier of reclaimed water.~~

~~Policy 8.3 Feasibility evaluation of other alternative water supplies, including groundwater recharge, canal recharge, and wetlands restoration.~~

Policy 1.8.2 Coordinate with appropriate agencies and stakeholders to advance integrated water resources management strategies that support efficient, equitable, and sustainable water use.

~~Policy 8.4 Coordination with appropriate entities to promote integrated water resources management strategies.~~

Policy 1.8.3 Coordination with local governments about regional issues, such as alternative water supplies, and inter-local agreements to ensure water supply sustainability.

~~Policy 8.5 Coordination with local governments about regional issues, such as alternative water supplies, and inter-local agreements to ensure water supply sustainability.~~

Policy 1.8.4 Develop a long-term sustainability plan for water facilities within the 10-year planning period that incorporates updated information on the projected impacts of climate change to water supplies and the environment.

~~Policy 8.6 Develop a long term sustainability plan for water facilities within the 10-year planning period that incorporates updated information on the projected impacts of climate change to water supplies and the environment.~~

Objective 1.9
Maintain inter-local agreements for potable water.

Policy 1.9.1 The City shall maintain an active inter-local agreement with adjacent jurisdictions, such as the City of Pembroke Pines, Broward County and Miami-Dade County to ensure water availability during times of emergencies.

Objective 1.10
Adopt the recommendations of the Master Plan for Water Distribution.

Policy 1.10.1 The City adopts the recommendations of the Master Plan.

Policy 1.10.2 The City shall update the master plan every five (5) years

~~**IV(b). Sanitary Sewer Sub-Element**~~

Goal 2 – Sanitary Sewer
Provide an efficient, cost-effective and environmentally safe wastewater collection, treatment, and effluent disposal system for residents, and commercial and industrial land uses, and meet adopted levels of service concurrent with future growth.

~~**Objective 1**~~
Objective 2.1
Maintain and expand wastewater collection, treatment, and disposal service to the Wastewater Assessment Area to accommodate future growth at the adopted level of service.

~~Policy 1.1~~

Policy 2.1.1 Maintain the adopted sanitary sewer Level of Service Standard of 300 gallons per day (gpd) per Equivalent Residential Connection (ERC) for all development to be served by Miramar's Wastewater Reclamation Facility.

~~Policy 1.2~~

Policy 2.1.2 Maintain an inter-local agreement with the City of Hollywood for 1.5 MGD of reserved emergency wastewater treatment and disposal capacity to serve the City's needs.

~~Policy 1.3~~

Policy 2.1.3 Maintain the current Wastewater Reclamation Facility (WWRF) capacity of 12.7 MGD and evaluate future capacity requirements.

~~Policy 1.4 The City shall expand in the near future the current permitted capacity of its Wastewater Reclamation Facility (WWRF) from 5.0 MGD to 7.5 MGD for public access irrigation and for alternative water supply requirements, especially to provide service to the areas west of I-75.~~

Policy 2.1.4 The City shall expand in the near future the network for reclaimed water.

~~Policy 1.5~~

Policy 2.1.5 Maintain the Supervisory Control and Data Acquisition (SCADA) System to monitor wastewater pumping stations 24 hours a day.

~~**Objective 2**~~

Objective 2.2

Continue to reduce the percentage of Inflow and Infiltration (I/I) in the City's wastewater system to 20% of the total wastewater flow.

~~Policy 2.1~~

Policy 2.2.1 Continue to conduct an ongoing sewer rehabilitation program east of Douglas Road to reduce inflow and infiltration.

~~**Objective 3**~~

Objective 2.3

Continue to reduce the number of septic tanks within the City when it is financially feasible.

~~Policy 3.1~~

Policy 2.3.1 Permit no new development in areas to which sewer service is not available or scheduled to be available, consistent with the City's Concurrency Management System.

~~Policy 3.2~~

Policy 2.3.2 For any development of more than 50 residential lots, whether built or unbuilt, with more than one onsite sewage treatment and disposal system per 1 acre, the City shall consider the feasibility of providing sanitary sewer services within a 10-year planning horizon. An onsite sewage treatment and disposal system is presumed to exist on a developed parcel if sanitary sewer services are not available at or adjacent to the parcel boundary.

~~**Objective 4**~~

Objective 2.4

Limit urban sprawl by continuing to direct growth to the Water and Wastewater Assessment Area while providing a means through which services will be accessible to other areas of the City consistent with the Uniform Extension Policy in Ordinance 88–30, as amended.

~~Policy 4.1~~

Policy 2.4.1 Through the approved Water and Wastewater Assessment Program, the City will continue to provide water and wastewater service in the geographic area extending from Palm Avenue to SW 196th Avenue and from Pembroke Road to the south County line.

~~Policy 4.2~~

Policy 2.4.2 To provide a means for the extension of services beyond the Water and Wastewater Assessment Area, the City has adopted and will enforce the Uniform Extension Policy in Ordinance 88–30, as amended.

~~Objective 5~~

Objective 2.5

The City shall continue to maintain and expand the reuse of reclaimed water.

~~Policy 5.1~~

Policy 2.5.1 Continue to expand the reclaimed water treatment system as needed to offset future water demands. Extend reclaimed service areas in the central and west portions of Miramar, in partnership with private developers and agencies, for irrigation uses.

~~Policy 5.2~~

Policy 2.5.2 Upon completion of the reclaimed water treatment expansion and when reclaimed water is made available for irrigation use, all irrigation systems within right of ways or common area shall be connected to the reclaimed water distribution system. Use of potable water, surface water or groundwater for irrigation shall not be permitted.

Objective 2.6

Miramar shall use the Master Plan for Wastewater collection to continue providing efficient and reliable wastewater infrastructure.

Policy 2.6.1 The city shall adopt and utilize the recommendations stated in the master plan to improve wastewater facilities.

Policy 2.6.2 The city shall update the master plan every five (5) years, based on needs identified and the goals stated in other comprehensive plan elements.

~~IV(c). Solid Waste Sub-Element~~

Goal 3 – Solid Waste

Provide for the collection and disposal of solid waste by the most cost-effective, efficient, and environmentally sound method available at the adopted levels of service.

~~Objective 1~~

~~Continue to have all non-recyclable solid waste disposed of at the South Broward Wheelabrator Facility and the Broward County Interim/Contingency Landfill, while recyclable materials will be processed at the County's Materials Recovery Facility.~~

Objective 3.1

Deliver all contracted waste material streams to designated facilities outlined in the Broward County Solid Waste Disposal Support Services Inter-Local Agreement.

~~Policy 1.1 Continue to cooperate with Broward County in its efforts to effectively manage the Resource Recovery and Landfill Facilities Program.~~

Policy 3.1.1 Continue our participation in Broward County's Solid Waste Disposal Support Services Inter-Local Agreement. Additionally, continue the city's membership in the Solid Waste Disposal and Recyclable Materials processing Authority of Broward County, seeking to regionalize solid waste disposal and recycling processing options.

~~Policy 1.2 Support through allocated capacity agreements, operation and expansion, as needed and required, of the South County Resource Recovery Facility.~~

Policy 3.1.2 Support through allocated capacity agreements, operation, and expansion, as needed and required.

~~Policy 1.3~~

Policy 3.1.3 The level of service standards for the County's solid waste facilities, as amended, shall be adopted and utilized to assess adequacy of service as follows:

~~Land Use~~		~~Level of Service~~
~~Residential~~		~~8.9 lbs. per unit per day~~
~~Industrial~~	~~Factory / Warehouse~~	~~2 lbs. per 100 sq. ft. per day~~
	~~Office Building~~	~~1 lbs. per 100 sq. ft. per day~~
	~~Department Store~~	~~4 lbs. per 100 sq. ft. per day~~
	~~Supermarket~~	~~9 lbs. per 100 sq. ft. per day~~
~~School~~		~~10 lbs. per room & ¼ per pupil per day~~
~~Institutional~~	~~Hospital~~	~~8 lbs. per bed per day~~
	~~Home for Aged~~	~~3 lbs. per person per day~~
	~~Rest Home~~	~~3 lbs. per person per day~~

~~These levels of service shall be used to determine adequacy at the time of plat approval for all properties that are required to plat and for those properties that are not required to plat, at the time of building permit approval.~~

Solid Waste Facility Level of Service		
Land Use		**Level of Service**
Residential		8.9 lbs. per unit per day
Industrial	Factory / Warehouse	2 lbs. per 100 sq. ft. per day
	Office Building	1 lbs. per 100 sq. ft. per day
	Department Store	4 lbs. per 100 sq. ft. per day
	Supermarket	9 lbs. per 100 sq. ft. per day
School		10 lbs. per room & ½ per pupil per day
Institutional	Hospital	8 lbs. per bed per day
	Home for Aged	3 lbs. per person per day
	Rest Home	3 lbs. per person per day

Policy 3.1.4 These solid waste facility levels of service shall be used to determine adequacy at the time of plat approval for all properties that are required to plat and for those properties that are not required to plat, at the time of building permit approval.

~~Policy 1.4 Solid waste services will be provided to the entire City to ensure that illegal dumping is not considered as an alternative.~~

Policy 3.1.5 Solid waste services will be made available and provided to all stakeholders within the City to safeguard against illegal dumping as a considerable or tolerable alternative.

~~Policy 1.5 Continue to require source separation and the recycling of solid waste in accordance with the Solid Waste Act of 1988, and to educate city residents and businesses as to the benefits of recycling in order to increase program participation and effectiveness.~~

Policy 3.1.6 Continue to promote and encourage solid waste reduction practices including source separation of recyclables in accordance with the Solid Waste Act of 1988, and to educate city residents and businesses as to the benefits of recycling in order to increase program participation and effectiveness.

~~**IV(d). Stormwater Management Sub-Element**~~
~~**Goal I**~~
Goal 4 – Stormwater Management
Provide adequate stormwater management capacity to protect current and future residents, and to prevent public and private property damage due to flooding, to the maximum extent practicable.

~~**Objective 1**~~
Objective 4.1
Continue to implement the Master Local Area Drainage Plan, specifically oriented and limited to resolving small scale, localized drainage problems.

~~Policy 1.1~~
Policy 4.1.1 Utilize existing guidelines and studies, including FEMA Mapping and Floodplain Protection criteria, the SFWMD and the SBDD studies, to develop a Master Local Area Drainage Plan which is consistent with the policies of those agencies.

~~Policy 1.2~~
Policy 4.1.2 Incorporate the recommendations of the "Water Management Plan for the Western C-9 Basin" (SFWMD, 1976, as amended) into the Master Local Area Drainage Plan.

~~**Objective 2**~~
Objective 4.2
Continue to enforce criteria in the Land Development Code, as well as the detention/retention requirements of the SFWMD and South Broward Drainage District, to protect existing development and stormwater management systems in the City.

~~Policy 2.1~~
Policy 4.2.1 Ensure that new development is designed in a manner which utilizes best management practices to minimize the impact on the existing stormwater management system and meets the adopted stormwater management level of service.

~~Policy 2.2~~
Policy 4.2.2 Maintain all existing stormwater management systems and monitor areas to ensure improvements are made to areas that experience frequent flooding.

~~Policy 2.3~~
Policy 4.2.3 Maintain and enhance the existing Stormwater Utility Program to continue the dedicated, user-based annual fee for improving areas that experience frequent flooding.

~~Policy 2.4~~
Policy 4.2.4 The following stormwater management levels of service standards are adopted~~.~~:

~~Road Protection: Residential streets not greater than eighty feet wide rights-of- way to have crown elevations at or above the elevation for the respective area depicted on the ten year "Flood Criteria Map." Right-of-way greater than eighty feet wide to have an outside edge of through lane pavement at or above the elevation for the respective area depicted on the ten year "Flood Criteria Map."~~

~~Buildings: To have the lowest floor elevation no lower than one (1) foot above base flood or 18 inches above the highest point of the adjacent road crown elevations, whichever is greater.~~

~~Off-Site Discharge: Not to exceed the inflow limit of SFWMD primary receiving canal or the local conveyance system, whichever is less.~~

~~Storm Sewers: Design frequency minimum to be three-year rainfall intensity of the Broward County Water Management Division rainfall intensity/duration curves.~~

~~Flood Plain Routing: Calculated flood elevations based on the ten year and one hundred year return frequency rainfall of three-day duration shall not exceed the corresponding elevations of the ten year "Flood Criteria Map" and the "100 Year Flood Elevation Map," as published by Broward County.~~
~~Antecedent Water Level: The higher elevation of either the control elevation or the elevation depicted on the map "average wet season water levels," as published by Broward County.~~

~~On-Site Storage: Minimum capacity above antecedent water level and below flood plain routing elevations to be design rainfall volume minus off site discharge occurring during design rainfall.~~

~~Best Management Practices (BMP): Prior to discharge to surface or ground water, BMP's will be used to reduce pollutant discharge.~~

~~These levels of service shall be used to determine adequacy at the time of plat approval for all properties that are required to plat and for those properties that are not required to plat, at the time of building permit approval.~~

Stormwater Level of Service (LOS) Standards	
Roadways of less than eighty (80) feet width	Have crown elevations at or above the elevation for the respective area depicted on the ten year "Flood Criteria Map."
Roadways of eighty (80) feet or greater width	Have an outside edge of through lane pavement at or above the elevation for the respective area depicted on the ten year "Flood Criteria Map."
Buildings	Lowest floor elevation no lower than one (1) foot above base flood or eighteen (18) inches above the highest point of the adjacent road crown elevations, whichever is greater.
Off-site Discharge	Not to exceed the inflow limit of SFWMD primary receiving canal or the local conveyance system, whichever is less.
Storm sewers	Design frequency minimum to be three-year rainfall intensity of the Broward County Water Management Division rainfall intensity/duration curves.
Floodplain Routing	Calculated flood elevations based on the ten year and one hundred year return frequency rainfall of three-day duration shall not exceed the corresponding elevations of the ten year "Flood Criteria Map" and the "100 Year Flood Elevation Map," as published by Broward County.
Antecedent Water Level	The higher elevation of either the control elevation or the elevation depicted on the map "average wet season water levels," as published by Broward County.
On-site Storage	Minimum capacity above antecedent water level and below flood plain routing elevations to be design rainfall volume minus off site discharge occurring during design rainfall.

Best Management Practices	Prior to discharge to surface or ground water, BMP's will be used to reduce pollutant discharge.

~~Policy 2.5~~

Policy 4.2.5 The City establishes water quality standards for stormwater discharge in accordance with Chapter 62-330 (formally known as 62-25), F.A.C.

V. ~~Conservation~~ Environmental Element

Goal I

~~Ensure a high quality of life for present and future residents of the City of Miramar through the protective use and conservation of the City's natural resources.~~

Water Preservation

~~**Objective 1**~~

Objective 1.1

Continue to monitor the number of violations of Broward County Environmental Protection and Growth Management Water Quality Standards in the Snake Creek Canal.

~~Policy 1.1~~

Policy 1.1.1 ~~To reduce~~ Reduce the amount of high nutrient runoff entering the Snake Creek Canal, ~~continue~~ by continuing to require adherence by new development and redevelopment to South Florida Water Management District (SFWMD) rules addressing the use of on-site detention and retention techniques such as vegetated swales and ponds for future developments.

Policy 1.1.2 Require on-site detention facilities in new development to meet South Florida Water Management District criteria for the C–9 Basin and to protect surface water quality.

Policy 1.1.3 Continue enforcement of the County's Wellfield Protection Ordinance within Miramar to prevent contamination of the Biscayne Aquifer. Cooperate with Broward County Water Management Division and the Broward County Resilient Environment Department by implementing the Wellfield Protection Ordinance and the Hazardous Material and Storage Tank Regulations.

~~**Objective 2**~~

~~Coordinate with the SFWMD (owner) to maintain and enhance, where possible, the Everglades Buffer Strip in Miramar as part of Broward County's inventory of urban wilderness areas which will be preserved as open space in perpetuity.~~

~~Policy 2.1 Assist the SFWMD in protecting the Everglades Buffer Strip by maintaining the area in a Conservation future land use designation and by directing growth into the Water and Wastewater Assessment Area.~~

Objective 1.2

Continue to cooperate and coordinate with the SFWMD in implementing the Lower East Coast Water Supply Plan and the existing Water Conservation Program described in Chapter 21 (Utilities) of Miramar's City Code, to protect the minimal seasonal flows and levels of surface water courses, as established by the SFWMD, as well as the potable water supply.

Policy 1.2.1 The City shall require adherence to the principles of xeriscape, as promulgated by the South Florida Water Management District and as contained in Miramar's Land Development Code, on landscape plans for all new development and redevelopment projects.

Policy 1.2.2 The City shall continue to implement the 10-Year Water Supply Facilities Work Plan and coordinate updates to that Plan with the most current Lower East Coast Water Supply Facilities Work Plan.

Policy 1.2.3 The City shall continue to implement a public information/education program targeting residential water conservation.

Policy 1.2.4 The City shall continue to enforce, and update as necessary, Chapter 21 (Utilities) of Miramar's City Code to ensure the City's consistency with the SFWMD Water Conservation Plan.

Policy 1.2.5 The City shall continue to enforce regulations that potable water system supplies water for only ordinary domestic type uses and does not supply water to any irrigation piping system.

Policy 1.2.6 The City shall continue to enforce regulations that where reclaimed water is available it shall be used for irrigation purposes.

Policy 1.2.7 The City shall continue to enforce Florida Building Code and City regulations for ultra-low volume plumbing flow restriction on new construction.

Policy 1.2.8 The City shall continue to enforce City's regulation water conservation-based rate structure.

Policy 1.2.9 The City shall continue to implement the leak detection and meter replacement programs.

Policy 1.2.10 The City shall continue to enforce Florida Building Code and City regulation requiring installation of rain sensors on new irrigation systems.

Goal II
Land Conservation & Preservation

Objective 2.1
Preserve Land

Policy 2.1.1 Coordinate with SFWMD to maintain and enhance, where possible, the Everglades Buffer Strip in Miramar as part of Broward County's inventory of urban wilderness areas which will be preserved as open space in perpetuity.

Policy 2.1.2 Protect the Everglades Buffer Strip by maintaining the area in a Conservation future land use designation and by directing growth into the Water and Wastewater Assessment Area.

Policy 2.1.3 No new quarrying activities for commercial purposes will be permitted within and east of the Water and Wastewater Assessment Area.

Policy 2.1.4 Cooperate with county, state and regional agencies in enforcing the requirements of 16C–37, Florida Administrative Code, regarding reclamation of land previously used for resource extraction.

Policy 2.1.5 As part of the Land Development Code, create preservation and restoration guidelines and standards for wildlife habitat, and natural vegetative communities. and historical/archeological sites.

Policy 2.1.6 Enforce, through the land development code, historic/archeological site standards and designation procedures to safeguard invaluable cultural assets.

~~**Objective 3**~~

~~Continue to utilize all funding sources to fund improvements needed to reduce existing flooding and prevent additional flooding in the eastern portions of the City as development occurs in western Miramar, consistent with the recommendations of the Master Local Area Drainage Plan.~~

~~Policy 3.1 Require on-site detention facilities in new development to meet South Florida Water Management District criteria for the C-9 Basin and to protect surface water quality that reflect the results of the City Master Local Area Drainage Plan.~~

~~Policy 3.2 Continue to manage and improve the existing Stormwater Utility District to finance drainage improvements, particularly in eastern Miramar~~

Objective 2.2

Continue to obtain land set-asides for environmental preservation in western Miramar, as future development occurs.

Policy 2.2.1 Use land dedications, long-term lease agreements, open space requirements, easements, fee-simple purchase and other appropriate mechanisms to preserve environmentally sensitive lands or areas of native vegetation, which warrant preservation.

Policy 2.2.2 Preserve undeveloped acquired land in the vicinity of I-75 and Pembroke Road, for the purposes of a nature center or similar educational use, the acquisition of land in the Everglades Buffer, west of S.W. 196th Avenue.

Policy 2.2.3 In order to continue to protect wetlands, the presence or lack of jurisdictional wetlands and appropriate restrictions must be reviewed by applicable agencies to include the Broward County Resilient Environment, Florida Department of Environmental Protection, U.S. Army Corp of Engineers, and/or the South Florida Water Management District as part of the application for development review.

Policy 2.2.4 As part of the Land Development Code, protect environmentally-sensitive lands by requiring their dedication for preservation in perpetuity and by designating them as conservation on both the Future Land Use and Zoning Maps.

~~**Objective 4**~~

~~Continue enforcement of the County's Wellfield Protection Ordinance within Miramar to prevent contamination of the Biscayne Aquifer.~~

~~Policy 4.1 Continue to cooperate with the Water Resources Management Division and the Broward County Environmental Protection and Growth Management Department by implementing the Wellfield Protection Ordinance and the Hazardous Material and Storage Tank Regulations.~~

Objective 2.3

Utilize a variety of guidelines and management mechanisms for controlling soil erosion and sediment on construction sites, protecting native soils, wetlands, vegetative communities and wildlife habitat.

Policy 2.3.1 As part of the Land Development Code, create preservation and restoration guidelines and standards for wildlife habitat, and natural vegetative communities.

Policy 2.3.2 Continue to actively enforce, as part of the Land Development Code, the Tree Preservation Ordinance that protects and promotes the maintenance of native vegetative communities.

Policy 2.3.3 Continue to actively enforce, as part of the Land Development Code, Lot Clearing Regulations which require the removal of non-native vegetation.

Policy 2.3.4 Require all new development and redevelopment to utilize best management practices for controlling erosion and sediment on construction sites, in compliance with all applicable federal, state, regional and county rules and regulations.

Policy 2.3.5 The City will continue to enforce the Land Development Code regulations that protect air quality such as requirements for environmentally-approved mulching, spraying or grassing of construction sites to reduce soil erosion, and will require compliance with asbestos regulations in all demolition and renovation projects.

~~**Objective 5**~~

~~Coordinate with responsible county, regional and/or state agencies, to help ensure inactive quarries do not pose a threat to public safety or the environment, and that proposed and active quarrying operations are compatible with adjacent land uses and meet all applicable environmental regulations.~~

~~Policy 5.1 Enforce the provisions of the City Land Development Code and the applicable rules and regulations of responsible state, regional and county agencies, which specify the requirements for the closure of resource extraction operations.~~

~~Policy 5.2 Cooperate with county, state and regional agencies in enforcing the requirements of 16C-37, Florida Administrative Code, regarding reclamation of land previously used for resource extraction.~~

~~Policy 5.3 No new quarrying activities for commercial purposes will be permitted within and east of the Water and Wastewater Assessment Area.~~

~~Policy 5.4 Occupancy permits for development adjacent to active quarrying operations will be issued concurrent with the closing of such operations or when such operations are suitably buffered from the occupied development until closure.~~

Objective 2.4

The City shall distribute land uses in a manner that avoids or minimizes to the greatest degree practicable, the effect and impact on wetlands in coordination with Broward County.

Policy 2.4.1 Land uses identified below as being incompatible with the protection and conservation of wetlands and wetland functions shall be directed away from wetlands.

Policy 2.4.2 Compatible land uses allowed to occur, shall be mitigated or enhanced, or both, to compensate for loss of wetland functions in accordance with Broward County Code of Ordinances, Chapter 27, Article XI, Aquatic and Wetland Resource Protection.

Policy 2.4.3 Broward County Code of Ordinances, Chapter 27, Article XI, uses the Wetland Benefit Index (WBI) is the technique used to quantify wetland values and functions. Values indicate the following:

Wetland Benefit Index Value	Land Use Compatibility
greater than or equal to 0.80	All land uses except for conservation uses are incompatible

less than 0.80	All land uses are compatible, provided that the wetland impact compensation requirements of Chapter, 27, Article XI, are satisfied.

Source: Broward County Code of Ordinances, Chapter 27, Article XI, Aquatic and Wetland Resource Protection

~~**Objective 6**~~

~~Continue to obtain land set-asides for environmental preservation in western Miramar, as future development occurs.~~

~~Policy 5.1 Use land dedications, long-term lease agreements, open space requirements, easements, fee-simple purchase and other appropriate mechanisms to preserve environmentally sensitive lands or areas of native vegetation, which warrant preservation pursuant to the Land Development Code.~~

~~Policy 5.2 Pursue with the appropriate entities, for the purposes of preserving undeveloped land, the acquisition of land in the vicinity of I-75 and Pembroke Road, and for the purposes of a nature center or similar educational use, the acquisition of land in the Everglades Buffer, west of S.W. 196th Avenue.~~

Goal III
Sustainability

Objective 3.1

Miramar shall participate in climate change initiatives to mitigate and adapt to the effects of climate change in coordination with other local governments, private businesses, other governmental agencies, and the State of Florida.

Policy 3.1.1 Miramar shall promote activities leading to reduction of greenhouse gas emissions generated by City facilities.

Policy 3.1.2 Continue to utilize all funding sources to fund improvements needed to reduce existing flooding and prevent additional flooding in the eastern portions of the City as development occurs in western Miramar.

Policy 3.1.3 Continue to manage and improve the existing Stormwater Utility District to finance drainage improvements, particularly in eastern Miramar.

Policy 3.1.4 The City shall coordinate with Broward County to implement and verify compliance with federal, state and local air quality regulations. Furthermore, the City shall coordinate with Broward County to monitor the ambient air quality in Miramar.

Policy 3.1.5 This program will focus on mitigating the causes and effects of greenhouse gas emissions in a cost-effective and efficient manner that preserves the City of Miramar economic competitiveness.

Objective 3.2

Transportation

Policy 3.2.1 Miramar shall promote activities that will result in strengthening the coordination and understanding of the linkage between land use and transportation planning for air quality by participating in planning processes by local and regional planning agencies.

Policy 3.2.2 Continue to coordinate with Broward County through the traffic engineering agreement with the County addressing signal timing, to reduce the amount of exhaust emissions produced by automobiles stopped at intersections through synchronization of traffic signals along arterial, major collectors and local roads.

Policy 3.2.3 Decrease the number of potential automobiles on the highways by expanding employment opportunities in Miramar for the residents of Miramar, and by providing increased safe and convenient transit service in conjunction with the Broward County Transit Agency, encouragement of ridesharing, and provision of a land use pattern that makes transit, bicycle and pedestrian access easy and safe.

Policy 3.2.4 The City shall coordinate with Broward County to participate actively in the planning for feeder/shuttle bus services within Miramar.

Policy 3.2.5 The City shall pursue efforts to increase the use of alternative fuels, such as the use of electric powered vehicles by continued participation in electric vehicle (EV) programs.

~~**Objective 7**~~

~~Continue to utilize a variety of guidelines and management mechanisms for controlling soil erosion and sediment on construction sites, protecting native soils, wetlands, vegetative communities and wildlife habitat.~~

~~Policy 7.1 Require all new development and redevelopment to utilize best management practices for controlling erosion and sediment on construction sites, in compliance with all applicable federal, state, regional and county rules and regulations.~~

~~Policy 7.2 In order to continue to protect wetlands, the presence or lack of jurisdictional wetlands and appropriate restrictions must be reviewed by applicable agencies to include the Broward County Department of Planning and Environmental Protection, Florida Department of Environmental Protection, U.S. Army Corp of Engineers, and/or the South Florida Water Management District as part of the application for development review.~~

~~Policy 7.3 The City shall distribute land uses in a manner that avoids or minimizes to the greatest degree practicable, the effect and impact on wetlands in coordination with Broward County. Those land uses identified below as being incompatible with the protection and conservation of wetlands and wetland functions shall be directed away from wetlands, or when compatible land uses are allowed to occur, shall be mitigated or enhanced, or both, to compensate for loss of wetland functions in accordance with Broward County Code of Ordinances, Chapter 27, Article XI, Aquatic and Wetland Resource Protection.~~

~~**Compatibility of Land Uses**~~
~~**Relative to the Wetland Benefit Index (WBI)**~~

~~**Wetland Benefit Index**~~	~~**Land Use Compatibility**~~
~~1. Wetlands with a WBI value greater than or equal to 0.80~~	~~1. There is a rebuttable presumption that all land uses except for conservation uses are incompatible~~

2. Wetlands with a WBI value less than 0.80	2. All land uses are compatible, provided that the wetland impact compensation requirements of Chapter, 27, Article XI, are satisfied.
Source: Broward County Code of Ordinances, Chapter 27, Article XI, Aquatic and Wetland Resource Protection	

Policy 7.4 As part of the Land Development Code, create preservation and restoration guidelines and standards for wildlife habitat, natural vegetative communities and historical/archeological sites.

Policy 7.5 Continue to actively enforce as part of the Land Development Code, the Tree Preservation Ordinance that protects and promotes the maintenance of native vegetative communities.

Policy 7.6 Continue to enforce as part of the Land Development Code, Lot Clearing Regulations which require the removal of exotic vegetation.

Policy 7.7 Ensure the protection of western Miramar by providing sewer and water services and thereby encouraging infill and new development in the Water and Wastewater Assessment Area as described in the Future Land Use, Sanitary Sewer and Potable Water Elements.

Policy 7.8 As part of the Land Development Code, protect present and future environmentally - sensitive lands by requiring their dedication for preservation in perpetuity and by designating them as natural reservations on both the Future Land Use and Zoning Maps.

Objective 8

Continue to cooperate and coordinate with the SFWMD in implementing the Lower East Coast Water Supply Plan and the existing Water Conservation Program described in Chapter 21 (Utilities) of Miramar's City Code, to protect the minimal seasonal flows and levels of surface water courses, as established by the SFWMD, as well as the potable water supply.

Policy 8.1 The City shall require adherence to the principles of xeriscape, as promulgated by the South Florida Water Management District and as contained in Miramar's Land Development Code, on landscape plans for all new development and redevelopment projects.

Policy 8.2 The City shall continue to implement a public information/education program targeting residential water conservation.

Policy 8.3 The City shall continue to enforce, and update as necessary, Chapter 21 (Utilities) of Miramar's City Code to ensure the City's consistency with the SFWMD Water Conservation Plan.

Policy 8.5 The City shall continue to enforce regulations that potable water system supplies water for only ordinary domestic type uses and does not supply water to any irrigation piping system.

Policy 8.6 The City shall continue to enforce regulations that where reclaimed water is available it shall be used for irrigation purposes.

Policy 8.7 The City shall continue to enforce Florida Building Code and City regulations for ultra-low volume plumbing flow restriction on new construction.

Policy 8.8 The City shall continue to enforce City's regulation water conservation based rate structure.

Policy 8.9 The City shall continue to implement the leak detection and meter replacement programs.

Policy 8.10 The City shall continue to enforce Florida Building Code and City regulation requiring installation of rain sensors on new irrigation systems.

Policy 8.11 The City shall continue to implement the 10-Year Water Supply Facilities Work Plan and coordinate updates to that Plan with the most current Lower East Coast Water Supply Facilities Work Plan.

Objective 9

Continue to cooperate with Broward County by 2015 to meet the National Ambient Air Quality Standards (NAAQS) contained in the Clean Air Act.

Policy 9.1 The City will continue to enforce the Land Development Code regulations that protect air quality such as requirements for environmentally-approved mulching, spraying or grassing of construction sites to reduce soil erosion, and will require compliance with asbestos regulations in all demolition and renovation projects.

Policy 9.2 Continue to coordinate with Broward County through the traffic engineering agreement with the County addressing signal timing, to reduce the amount of exhaust emissions produced by automobiles stopped at intersections through synchronization of traffic signals along arterial, major collectors and local roads.

Policy 9.3 Decrease the number of potential automobiles on the highways by expanding employment opportunities in Miramar for the residents of Miramar, and by providing increased safe and convenient transit service in conjunction with the Broward County Transit Agency, encouragement of ride-sharing, and provision of a land use pattern that makes transit, bicycle and pedestrian access easy and safe.

Policy 9.4 The City shall coordinate with Broward County to participate actively in the planning for feeder/shuttle bus services within Miramar.

Policy 9.5 The City shall o pursue efforts to increase the use of alternative fuels.

Policy 9.6 City of Miramar shall promote the use of electric powered vehicles by continued participation in electric vehicle (EV) programs.

Policy 9.7 The City shall coordinate with Broward County to monitor the ambient air quality in Miramar in accordance with state and federal requirements contained in 40 CFR 58.

Policy 9.8 The City shall coordinate with Broward County to implement and verify compliance with federal, state and local air quality regulations.

Policy 9.9 Miramar shall promote activities leading to reduction of greenhouse gas emissions generated by City facilities.

Policy 9.10 Miramar shall promote activities that will result in strengthening the coordination and understanding of the linkage between land use and transportation planning for air quality by participating in planning processes by local and regional planning agencies.

Policy 9.11 Miramar shall coordinate with the county-wide Climate Change Program to mitigate and adapt to the consequences of climate change in coordination with other local

~~governments, private businesses, other governmental agencies and the State of Florida. This program will focus on mitigating the causes and consequences of greenhouse gas emissions in a cost-effective and efficient manner that preserves the City of Miramar economic competitiveness.~~

VI. Recreation and Open Space Element

Goal I
Provide adequate ~~and accessible~~ availability of parks and facilities to meet the recreation needs of all current and future Miramar residents.

Objective 1.1
Based on detailed ~~information analyzing~~ analysis of the recreational needs of Miramar residents ~~in this element~~ and from ~~other~~ relevant sources, the City shall consider increase developed park and open space acreage in the City by ~~25~~ 15 acres by ~~2015~~ 2045 through aggressive capital programming, contributions and fees from private developers, and effective intergovernmental coordination.

~~Policy 1.1.1 Continually look for opportunities to place park land adjacent to school sites and utilize lease agreements with the Broward County School Board to make maximum use of public school sites for recreational purposes.~~

~~Policy 1.1.2 Maintain a high level of recreational use the new municipal complex, specifically at the Youth Enrichment Center.~~

~~Policy 1.1.3 Identify mutually beneficial opportunities and utilize interlocal agreements with Broward County and local municipalities and private organizations to provide shared park and recreation facilities for use of residents from all jurisdictions. Implement sponsorship and hosting opportunities for local, regional, state, national and international athletic, entertainment and cultural events.~~

~~Policy 1.1.4~~
Policy 1.1.1 Maintain, and update as necessary, the City's Parks and Recreation Impact Fee Ordinance (Miramar City Code Sections 2-225, as amended) and associated land dedication requirements to ensure that the private sector ~~pays its fair share~~ contributes to the parks and recreation system.

~~Policy 1.1.5~~
Policy 1.1.2 Continue to provide a minimum of four (4) acres of park and open space for each 1,000 residents, concurrent with new demand as measured by the City's Concurrency Management System. In addition, continue to provide a minimum of recreational facilities, as per the Florida Recreation and Parks Association Level of Service standards for recreational facilities.

~~Policy 1.1.6 For the purpose of meeting the four (4) acres of park land for each 1,000 Level of Service Standard, public open space is defined as in the Broward County Land Use Plan.~~

~~Policy 1.1.7~~
Policy 1.1.3 Enforce the criteria contained in the City's Land Development Code, consistent with the policies of the Department of State, Division of Historical Resources, for the evaluation of historical/archeological sites to determine if they should be preserved as open space, passive parks, or preserved but relocated.

Policy 1.1.4 Provide recreational facilities in accordance with demand and the adopted recreational level of service standards for land and facilities as measured by actual needs analysis to be conducted in conjunction with parks dedications and as part of the annual update of the Capital Improvements Element.

Objective 1.2

~~Continue to coordinate public and private resources to ensure the provision of open space as well as promote the use of our existing regional and community parks.~~
Provide the residents of Miramar with an aesthetically superior city built on the foundation of a well-planned, expansive, and, interconnected open space system unique in Broward County.

~~Policy 1.2.1 Require Developments of Regional Impact (DRIs) to dedicate parcels of a minimum 5-acre size to ensure adequate acreage to accommodate facilities to provide a variety of recreational opportunities.~~

~~Policy 1.2.2 Continue to require as a condition of site plan approval, the provision of natural reservations and open space to meet the landscaping and tree conservation requirements of the Land Development Code in order to maximize pervious area, as well as passive recreation and aesthetic standards of the City, as codified.~~

~~Policy 1.2.3 Aggressively implement the approved 1998 Parks Master Plan, as amended, to guide the timing and location of future park development and redevelopment, as well as maintenance of existing parks throughout Miramar~~

Policy 1.2.1 Utilize the Florida Recreation and Park Association strategic areas of health, environmental, community building, and economic impact as a guiding compass for new recreational facilities.

Policy 1.2.2 Maintain a high level of recreational use at all municipal facilities through suitable programming and other methods.

Policy 1.2.3 Continue to require as a condition of site plan approval, the provision of natural reservations and open space to meet the landscaping and tree conservation requirements of the Land Development Code in order to maximize pervious area, as well as passive recreation and aesthetic standards of the City.

~~Objective 1.3~~
~~Seek all feasible opportunities to enhance current mechanisms ensuring the provision of adequate facilities to meet the recreational needs of Miramar's residents in all age groups, as measured by the standards adopted in this Element and any needs analysis update as a basis for evaluating park dedications and as part of the annual update of the City's Capital Improvements process.~~

~~Policy 1.3.1 Provide recreational facilities in accordance with demand and the adopted recreational level of service standards for land and facilities as measured by actual needs analysis to be conducted in conjunction with parks dedications and as part of the annual update of the Capital Improvements Element.~~

~~Policy 1.3.2 Update park and recreation facilities for which Levels of Service are adopted, at least every five (5) years through data gathered at community meetings and resident surveys to adequately reflect and meet actual demand. Use these Levels of Service as indicators of need and as the measure for achievement of Objective 1.3.~~

~~Policy 1.3.3 When a Level of Service analysis indicates an existing deficiency of one full unit or more of recreational facility and the need has been verified by actual field survey, the facility will be provided, as land permits, through the Capital Improvements process on a prioritized basis.~~

~~Policy 1.3.4 Utilize park and recreation impact fees, collected in accordance with Miramar City Code Sections 2-225 (as amended), developer contributions and user fees to finance development of recreational facilities serving new growth.~~

~~**Objective 1.4**~~

~~By the year 2012, provide a sufficient number of parks and dedicated open space located so that all Miramar residences are within one (1) mile of a local, neighborhood, community or regional park.~~

~~Policy 1.4.1 Provide local parks in accordance with the following accessibility standards:~~

- ~~X Neighborhood Parks – 1-mile service radius; 5,000 population served.~~
- ~~X Community Parks – serve local community; 25,000 population served.~~
- ~~X Regional Parks - serve entire city and beyond jurisdictional limits; over 100,000 population served.~~

~~Policy 1.4.2 At the next planned update, revise the City's recreational impact fee system to reflect the one (1) mile accessibility standard and functional neighborhood boundaries, and repeat this evaluation at least every seven (7) years thereafter.~~

Goal II

~~**Provide the residents of Miramar with an aesthetically superior city built on the foundation of a well-planned, expansive, and interconnected open space system unique in Broward County.**~~

Provide accessible parks and facilities to meet the recreation needs of all current and future Miramar residents.

Objective 2.1

~~Continue to maintain and enhance the city-wide system of greenbelts, scenic corridors, and linear open space in place by at least 5 percent by 2012.~~

Provide sufficient parks and dedicated open spaces so that all Miramar residences are within one (1) mile of a local, neighborhood, community or regional park.

~~Policy 2.1.1 Maintain and enhance the Miramar Parkway Scenic Corridor, providing for landscape easements and installation of lush landscape improvements along the corridor that balance aesthetics with function of the existing and future land use.~~

Policy 2.1.1 Provide local parks in accordance with the following accessibility standards:

- Neighborhood Parks – 1-mile service radius; 5,000 population served.
- Community Parks – serve local community; 25,000 population served.
- Regional Parks - serve entire city and beyond jurisdictional limits; over 100,000 population served.

~~Policy 2.1.2 Implement Land Development Code provisions which specify open space and landscaping requirements for all new development.~~

Policy 2.1.2 At the next planned update, revise the City's recreational impact fee system to reflect the one (1) mile accessibility standard and functional neighborhood boundaries, and repeat this evaluation at least every seven (7) years thereafter.

~~Policy 2.1.3 Maintain and improve existing architectural, site, signage, lighting and landscaping design standards contained in the City Land Development Code to guide the recommendations of City staff and the decisions of the Planning and Zoning Board and City Commission.~~

Objective 2.2

~~Complete a Bikeway Master Plan for Miramar by 2012 to lay the groundwork for the creation of a convenient, interconnected county-wide bikeway network to link residential areas with parks, schools, offices and shopping centers.~~

Seek all feasible opportunities to enhance current mechanisms ensuring the provision of adequate facilities to meet the recreational needs of Miramar's residents in all age groups, as measured by the standards adopted in this Element and any needs analysis update as a basis for evaluating park dedications and as part of the annual update of the City's Capital Improvements process.

~~Policy 2.2.1 Working with the land and financial support of private developers in the area, study, and if feasible, construct a bikeway as part of the linear park to be created along Miramar Parkway and FLP easement by 2012.~~

Policy 2.2.1 Update Park and Recreation facilities for which Levels of Service are adopted, at least every five (5) years through data gathered at community meetings and resident surveys to adequately reflect and meet actual demand. Use these Levels of Service as indicators of need and as the measure for achievement of Objective 2.2.

~~Policy 2.2.2 Study viable alternatives and, if appropriate, implement the selected mechanism by 2012 through the Land Development Code, which will require the dedication of right-of-way for bikeways.~~

Policy 2.2.2 When a Level of Service analysis indicates an existing deficiency of one full unit or more of recreational facility and the need has been verified by actual field survey, the facility will be provided, as land permits, through the Capital Improvements process on a prioritized basis.

Objective 2.3

Continue to coordinate public and private resources to ensure the provision of open space as well as promote the use of our existing regional and community parks.

Policy 2.3.1 Identify mutually-beneficial opportunities and utilize interlocal agreements with Broward County and local municipalities and private organizations to provide shared park and recreation facilities for use of residents from all jurisdictions. Implement sponsorship and hosting opportunities for local, regional, state, national and international athletic, entertainment and cultural events.

Policy 2.3.2 Continually look for opportunities to place park land adjacent to school sites and utilize lease agreements with the Broward County School Board to make maximum use of public school sites for recreational purposes.

Policy 2.3.3 Encourage mutually-beneficial opportunities with Broward County School Board, such as Henry D. Perry Park, to maximize park utilization.

VII. Intergovernmental Element

Goal I

Forge, maintain, and improve ~~cooperative and informative~~ relationships with ~~adjacent~~ jurisdictions and governmental entities at all levels, and establish inclusive procedures, ~~consistent with this Element,~~ for the effective resolution of disputes and coordination in seizing mutually-beneficial opportunities.

Objective 1.1

~~Continue to provide a mechanism for the effective coordination of the Comprehensive Plan with other units of local, regional, state, and federal government that provide services in or to Miramar, but do not have regulatory authority over the use of land.~~

Maintain existing relationships and develop new coordination mechanisms and relationships necessary to implement the initiatives in this and other Elements of the Comprehensive Plan.

~~Policy 1.1 Provide relevant Comprehensive Plan Elements and amendments, along with supporting data and analysis, to Broward County, the Broward County School Board, adjacent local governments (if applicable) and other governmental entities providing services in Miramar, for review and comment with adequate time allotted for written comments to be returned to the City and to be fully addressed.~~

Policy 1.1.1 Utilize the comprehensive planning process to describe and analyze, as necessary, the impacts of Miramar's Comprehensive Plan on the rest of the region and the State.

~~Policy 1.2 In the maintenance and improvement of the Concurrency Management System, continue to coordinate with Miami-Dade and Broward County, the cities within Broward County, and the State of Florida to determine how capacity assignments will be made and how local road impacts will be determined.~~

Policy 1.1.2 Continue to work with Broward County to maintain consistency between Miramar's Future Land Use Map and the Broward County Planning Council's County Land Use Plan.

~~Policy 1.3 Generate annual reports summarizing the status of the City's Concurrency Monitoring System and, in conjunction with the annual update of the Capital Improvements Element, exchange this information with the entities noted in Policy 1.2, so that agreement on available capacity, development potential, and capital improvement needs can be accurately determined on a coordinated basis for all facilities operating in or used by Miramar.~~

Policy 1.1.3 Work to maintain consistency between the Broward County Trafficways Plan and the City of Miramar Comprehensive Plan.

~~Policy 1.4 Maintain the close working relationship with the Broward County School Board implementing the Interlocal Agreement (ILA) and the policies of the Comprehensive Plan to assist in providing adequate future school sites near residential areas and assessing opportunities for collocation of public facilities with different school types.~~

Policy 1.1.4 Pursue joint funding opportunities with the SFWMD, DPEP, Broward County, Miami-Dade County, FDOT, the Cities of Hollywood, Pembroke Pines, West Park, and other public/private agencies or jurisdictions to insure the utilization of joint processes and collaborative planning efforts, when feasible, to complete capital improvements.

~~Policy 1.5 Miramar shall implement the 10-Year Water Supply Facilities Work Plan to ensure coordination of the Comprehensive Plan with the SFWMD Lower East Coast Water Supply Facilities Work Plan. 163.3177(6)(h)1F.S.~~

Policy 1.1.5 Coordinate with existing and future service providers that have no regulatory authority over the use of land within the City and develop recommendations that address ways to improve existing and future coordination of the City's concurrency management methodologies, systems and levels of service.

~~Policy 1.6 The City shall continue to assess current as well as projected water needs and sources as part of the 10-Year Water Supply Facilities Work Plan and coordinate updates to that plan with the SFWMD Lower East Coast Water Supply Facilities Work Plan. 163.3177(6)(h)1F.S.~~

Policy 1.1.6 If determined to be in the best interest of the City, help initiate and actively participate in the voluntary dispute resolution process established pursuant to FS. 186.509, as amended, for bringing to closure in a timely manner any multi-jurisdictional disputes.

Policy 1.1.7 The City shall request that Broward County and other public or private entities inform the City of any consideration to purchase environmentally- sensitive or other public use lands within the jurisdiction.

Policy 1.1.8 Work to maintain entitlement status under the Community Development Block Grant (CDBG) Program and the required Consolidated Plan by working closely with Broward County, local jurisdictions and non-profit community development corporations to help create a coordinated area-wide program for very low, low and moderate income.

Policy 1.1.9 Coordinate revitalization efforts in the Historic Miramar area with Miami- Dade and Broward Counties, the City of Hollywood, West Park and other adjacent or significantly affected governmental agencies.

~~**Objective 2**~~

~~Utilize the most appropriate coordination mechanisms to address the impacts of Miramar's Comprehensive Plan and future amendments upon development in the rest of Broward County, Miami-Dade County, the South Florida Region and the State, for the next 5-year planning period.~~

~~Policy 2.1 Actively participate in the meetings of the Broward County the MPO's Technical Coordinating Committee to discuss the impacts of Miramar's development activity on the Comprehensive Plans of Hollywood, Pembroke Pines, West Park, Pembroke Park, Broward County and Miami- Dade County.~~

~~Policy 2.2 If determined to be in the best interest of the City, help initiate and actively participate in the voluntary dispute resolution process established pursuant to FS. 186.509, as amended, for bringing to closure in a timely manner any multi-jurisdictional disputes.~~

~~Policy 2.3 Utilize the comprehensive planning process to describe and analyze, as necessary, the impacts of Miramar's Comprehensive Plan on the rest of the region and the State.~~

~~Policy 2.4 Utilize the DRI process, along with other available intergovernmental coordination mechanisms, for coordinating the impacts of Miramar's development with Miami-Dade County.~~

~~Policy 2.5 As part of the statutory Comprehensive Plan amendment review process, ensure that all Comprehensive Plan amendments are forwarded to Broward County, Miami-Dade~~

~~County, Hollywood and Pembroke Pines, West Park, for review and comment, and formally request the same from those jurisdictions.~~

~~Policy 2.6 Work jointly with FDOT, Miami-Dade County, Broward County, and adjacent cities as applicable to address mutually significant transportation issues and impacts affecting the subject jurisdictions.~~

~~Policy 2.7 Work in concert with Broward County, Miami-Dade County, Hollywood, Pembroke Pines, Pembroke Park, West Park and affected regional, state and federal agencies to identify and implement Joint Planning Areas (JPAs), especially for the purpose of annexation, municipal incorporation, corridor and community redevelopment, environmental conservation, adverse development impacts and infrastructure service areas, as critical multijurisdictional issues during the planning period.~~

~~Policy 2.8 The City shall coordinate with Broward County Water and Wastewater Services (BCWWS) and other utilities adjacent to Miramar.~~

Objective 1.2

Support and coordinate establishment and implementation processes for collaborative planning and decision making on population projections, public school siting, and the location of public facilities subject to concurrency and the siting of facilities with countywide significance.

Policy 1.2.1 The City shall continue to provide information relating to current and/or anticipated development within the City to the Broward County Planning Council, in accordance with the requirements contained within the Broward County Future Land Use Plan "Administrative Rules Document", in order to facilitate the preparation of population estimates and projections.

Policy 1.2.2 The City shall periodically review the population projections and estimates prepared by Broward County to insure said estimates and projections accurately reflect existing and future development based upon anticipated development depicted on the City's adopted future land use plan. Upon review and revision (if necessary) of the Broward County projections, the City shall consider utilization of the estimates and projections within the adopted Comprehensive Plan to Broward County as may be necessary to facilitate adjustment of the population projections to more accurately reflect anticipated development.

Policy 1.2.3 The City shall continue to coordinate with the Broward County School Board as deemed within the Interlocal Agreement to facilitate expansion of existing or location of additional public school facilities within the City of Miramar consistent with the Policies of the Future Land Use Element of this Comprehensive Plan.

Policy 1.2.4 The City will notify the Broward County School Board of proposed land use plan amendments which may alter the City's anticipated needs for public school facilities.

Policy 1.2.5 The City will pursue the collocation of public facilities with schools pursuant to Policies of the Future Land Use Element of this Comprehensive Plan.

Policy 1.2.6 The City will coordinate with the Broward County Planning Council, the South Florida Regional Planning Council, adjacent municipalities, the Broward County Technical Advisory Committee, appropriate agencies or ad hoc committees, in the development, review and recommendation of efficient countywide guidelines to coordinate the identification and location of facilities with countywide significance which may be locally unwanted land uses (LULUs).

Policy 1.2.7 Upon identification of uniform countywide guidelines for the identification and location of facilities with countywide significance, the City will conduct a review of its locational standards to determine whether conflicts exist between its regulations and neighboring jurisdiction regulations. The City will also evaluate how best to resolve any conflicts found and any improvements in the effectiveness or efficiency to be gained through the countywide approach to locational standards that would be more uniform in their application.

~~**Objective 3**~~

~~As the need for changing the current Level of Service Standards occurs, coordinate the changes with the appropriate State, regional, and/or local service provider, and ensure that the modifications are agreeable with all affected parties.~~

~~Policy 3.1 Utilize the Metropolitan Planning Organization (MPO) as the primary means to coordinate with Florida Department of Transportation (FDOT) and Broward County as the need for amending the Levels of Service for the transportation system occurs.~~

~~Policy 3.2 Notify the South Florida Regional Planning Council and/or the appropriate local government of any proposed changes to Levels of Service Standards for locally provided services as soon as those changes are proposed.~~

~~Policy 3.3 Continue to utilize the Level of Service Standard adopted by the applicable service provider for use in the City's Concurrency Management System which includes the City of Hollywood for wastewater; the SFWMD's C-9 Basin criteria for storm water management; the Broward County Resource Recovery Facility and Landfill for solid waste; the Broward County Planning Council for land use; and Broward County, the MPO and FDOT for roads and transit.~~

Objective 1.3

Utilize the most appropriate coordination mechanisms to address the impacts of Miramar's Comprehensive Plan and future amendments upon development in the rest of Broward County, Miami-Dade County, the South Florida Region and the State, for the next 5-year planning period.

Policy 1.3.1 The City will periodically provide information relating to the location and timing of anticipated capital improvement projects contained within the City's adopted Five Year Schedule of Capital Improvements to Broward County for the purpose of achieving a coordination of efforts relating to the maintenance and/or extension of existing and location of new public facilities subject to concurrency.

Policy 1.3.2 The City shall coordinate its Five Year Capital Improvements Schedule with the schedules of adjacent municipalities and other providers of public facilities within or adjacent to the City for potential simultaneous efforts relating to the maintenance and extension of existing and location of new public facilities subject to concurrency.

Policy 1.3.3 The City sould consider the scheduled capital improvements contained within the Comprehensive Plans of adjacent municipalities and counties and the scheduled capital improvements contained within the Capital Improvement Programs, as well as the Broward County School Board and the South Florida Water Management District, during the annual review of the City's Five Year Capital Improvements Program and annual Capital Budget.

Policy 1.3.4 Upon identification of potential impacts to or conflicts with the City's Comprehensive Plan arising from review of the five-year Capital Improvements Programs of adjacent municipalities and other providers of public facilities within or adjacent to the City, the City shall consider resolution of the impacts or conflicts as per FS. 186.509, as

amended, as well as interlocal agreements, joint work groups and other coordinated activities. If found to be necessary, the City shall also consider adoption of amendments to the City's Comprehensive Plan to address identified impacts or conflicts.

~~**Objective 4**~~

~~Maintain existing relationships and develop new coordination mechanisms and relationships necessary to implement the initiatives in this and other Elements of the Comprehensive Plan.~~

~~Policy 4.1 Continue to work with Broward County to maintain consistency between Miramar's Future Land Use Map and the Broward County Planning Council's County Land Use Plan.~~

~~Policy 4.2 Work to maintain consistency between the Broward County Trafficways Plan and the City of Miramar Comprehensive Plan.~~

~~Policy 4.3 Continue the interlocal agreement for interim sewer treatment and disposal capacity with Hollywood to accommodate growth and meet the adopted sanitary sewer Level of Service standard until it is no longer financially beneficial for the City.~~

~~Policy 4.4 Coordinate revitalization efforts in the East Miramar area with Miami- Dade and Broward Counties, the City of Hollywood, West Park and other adjacent or significantly affected governmental agencies through the Miramar Neighborhood Development Master Plan.~~

~~Policy 4.5 Continue to enforce, and participate, in improving, the C-9 Basin criteria of the South Florida Water Management District (SFWMD) in order to ensure the appropriate use of drainage facilities and land in western Miramar.~~

~~Policy 4.6 Keep actively participating in the Land Use and Trafficways Committee of the Broward County Planning Council as an effective coordination mechanism for trafficways and land use planning.~~

~~Policy 4.7 As the City achieves entitlement status under the Community Development Block Grant (CDBG) Program and the required Consolidated Plan is prepared, work closely with Broward County, adjacent jurisdictions and non-profit community development corporations to help create a coordinated area-wide program for very low-, low- and moderate-income housing so that every jurisdiction can participate in the provision of such housing.~~

~~Policy 4.8 The City shall request that Broward County and other public or private entities inform the City of any consideration to purchase environmentally-sensitive or other public use lands within the jurisdiction.~~

~~Policy 4.9 Adopt a formal resolution requesting that the Broward County Aviation Division provide copies of any Master Plan updates for North Perry Airport to the City for review.~~

Objective 1.4

The City of Miramar shall pursue identification and implementation of joint planning areas for the purposes of joint infrastructure service areas, corridor and community redevelopment, environmental conservation, adverse development impacts.

Policy 1.4.1 "Joint Planning Areas" shall be established through formal agreements among the necessary governmental bodies and shall include, and not be limited to, as many of the following planning considerations as possible:

a. Cooperative planning and review of land development activities within the areas covered by an agreement
b. Specification of service delivery, when applicable
c. Funding and cost sharing issues with joint planning areas
d. Enforcement/Implementation

Policy 1.4.2 Work in concert with affected local, regional, state and federal agencies to identify and implement Joint Planning Areas (JPAs).

Policy 1.4.3 Areas should be based on the purposes of annexation, municipal incorporation, corridor and community redevelopment, environmental conservation, adverse development impacts and infrastructure service areas, as critical multi- jurisdictional issues during the planning period.

~~**Objective 5**~~

~~The City shall support and coordinate with the establishment and implementation processes for collaborative planning and decision making on population projections, public school siting, and the location of public facilities subject to concurrency and the siting of facilities with countywide significance.~~

~~Policy 5.1 The City shall continue to provide information relating to current and/or anticipated development within the City to the Broward County Planning Council, in accordance with the requirements contained within the Broward County Future Land Use Plan "Administrative Rules Document", in order to facilitate the preparation of population estimates and projections.~~

~~Policy 5.2 The City shall annually review the population projections and estimates prepared by Broward County to insure that said estimates and projections accurately reflect existing and future development based upon anticipated development of remaining vacant land as depicted on the City's adopted future land use plan. Upon review and revision (if necessary) of the Broward County projections, the City shall consider utilization of the estimates and projections within the adopted Comprehensive Plan.~~

~~Policy 5.3 In the event that the Broward County population projections are determined to not accurately reflect anticipated development pursuant to Policy 5.2, the City shall provide supplemental information reflecting existing and anticipated development, remaining vacant land or other information to Broward County as may be necessary to facilitate adjustment of the population projections to more accurately reflect anticipated development.~~

~~Policy 5.4 The City recognizes that Broward County is responsible for the provision of population estimates and projections to the Broward County School Board. The City shall, pursuant to Policies 5.1, 5.2 and 5.3, coordinate with Broward County to achieve accurate estimates and projections in order to insure the joint utilization of coordinated and consistent population projections.~~

~~Policy 5.5 The City shall continue to coordinate with the Broward County School Board as deemed within the Interlocal Agreement to facilitate expansion of existing or location of additional public school facilities within the City of Miramar consistent with the Policies of the Future Land Use Element of this Comprehensive Plan.~~

~~Policy 5.6 The City will notify the Broward County School Board of proposed land use plan amendments which may alter the City's anticipated needs for public school facilities.~~

~~Policy 5.7 The City will pursue the collocation of public facilities with schools pursuant to Policies 3.A.3 and 3.A.4 of the Future Land Use Element of this Comprehensive Plan. Policy 5.8 The City will notify the City of Hollywood and/or Broward County of proposed Comprehensive Plan Amendments which may affect the City's anticipated needs for Sanitary Sewer or Potable Water Service.~~

~~Policy 5.9 The City will annually provide information relating to the location and timing of anticipated capital improvement projects contained within the City's adopted Five Year Schedule of Capital Improvements to Broward County for the purpose of achieving a coordination of efforts relating to the maintenance and/or extension of existing and location of new public facilities subject to concurrency.~~

~~Policy 5.10 The City shall consider the scheduled capital improvements contained within the Comprehensive Plans of adjacent municipalities and counties as identified in Policy 2.5 and the scheduled capital improvements contained within the Capital Improvement Programs identified in Policy 2.6, as well as the Broward County School Board and the South Florida Water Management District, during the annual review of the City's Five Year Capital Improvements Program and annual Capital Budget.~~

~~Policy 5.11 The City shall pursue the coordination of its Five Year Capital Improvements Schedule with the schedules of adjacent municipalities and other providers of public facilities within or adjacent to the City in order to establish a potential coordination of efforts relating to the maintenance and extension of existing and location of new public facilities subject to concurrency.~~

~~Policy 5.12 Upon identification of potential impacts to or conflicts with the City's Comprehensive Plan arising from review of the five-year Capital Improvements Programs of adjacent municipalities and other providers of public facilities within or adjacent to the City, the City shall consider resolution of the impacts or conflicts as per Policy 2.2, as well as interlocal agreements, joint work groups and other coordinated activities. If found to be necessary, the City shall also consider adoption of amendments to the City's Comprehensive Plan to address identified impacts or conflicts.~~

~~Policy 5.13 Notification of capital improvement projects identified in the Schedule of Capital Improvements proposed within 1,000 feet of the City's perimeter will be forwarded to the neighboring jurisdiction and within 1,000 feet of a public school to the School Board for comments pertaining to the proposed action in relationship to their respective Comprehensive Plan and the City will consider comments received from each agency or local government in their review process.~~

~~Policy 5.14 The City shall ensure the costs of implementing projects and programs in the Capital Improvements Element will be equitably shared by affected local and regional governments and agencies.~~

~~Policy 5.15 The City will pursue joint funding opportunities with the SFWMD, DPEP, Broward County, Miami-Dade County, FDOT, the Cities of Hollywood, Pembroke Pines, West Park, and other public/private agencies or jurisdictions to insure the utilization of joint processes and collaborative planning efforts, when feasible, to complete capital improvements.~~

~~Policy 5.16 After adoption of the Broward County Local Mitigation Strategies, the City Commission will consider a resolution supporting the strategies. The City will also finalize the Hazard Mitigation and Post-Disaster Redevelopment Element in 2001 as an amendment to its Comprehensive Plan and land development regulations.~~

Policy 5.17 The City will attend the future meetings of the Local Mitigation Task Force to ensure that the mitigation strategies are implemented and updated as necessary.

Policy 5.18 The City will coordinate with the Broward County Planning Council, the South Florida Regional Planning Council, adjacent municipalities, the Broward County Technical Advisory Committee, appropriate agencies or ad hoc committees, in the development, review and recommendation of efficient countywide guidelines to coordinate the identification and location of facilities with countywide significance which may be locally unwanted land uses (LULUs).

Policy 5.19 Upon identification of uniform countywide guidelines for the identification and location of facilities with countywide significance pursuant to Policy 5.18, the City will conduct a review of its locational standards to determine whether conflicts exist between its regulations and neighboring jurisdiction regulations. The City will also evaluate how best to resolve any conflicts found and any improvements in the effectiveness or efficiency to be gained through the countywide approach to locational standards that would be more uniform in their application.

Objective 6

The City of Miramar shall pursue identification and implementation of joint planning areas for the purposes of joint infrastructure service areas, corridor and community redevelopment, environmental conservation, adverse development impacts.

Policy 6.1 The City shall pursue and support the establishment of joint planning areas with adjacent municipalities, Broward County and agencies or other governmental units for corridor and community redevelopment, as per Policy 4.4, environmental conservation, adverse development impacts, and providing services, including, but not limited, the maintenance of sanitary sewer, potable water, roadway, drainage, public schools, solid waste and parks and recreation facilities in order to enhance, improve or increase the efficiency with which these facilities are currently provided.

Policy 6.2 "Joint Planning Areas" described in Policy 6.1. shall be established through formal agreements among the necessary governmental bodies and shall include and not be limited to as many of the following planning considerations as possible:

a. Cooperative planning and review of land development activities within the areas covered by an agreement
b. Specification of service delivery, when applicable
c. Funding and cost sharing issues with joint planning areas
d. Enforcement/Implementation

Policy 6.3 The City will coordinate with existing and future service providers that have no regulatory authority over the use of land within the City, including, but not limited to, the City of Hollywood, Broward County and the Broward County School Board to develop recommendations that address ways to improve existing and future coordination of the City's concurrency management methodologies, systems and levels of service.

Policy 6.4 The City shall pursue coordination of activities with FDOT to address capacity and storm water management issues and needs along state roadways, including Red Road, Pembroke Road, University Drive, US 27, I-75, Florida's Turnpike, and State Road 7.

Policy 6.5 The City shall continue to coordinate with BCDPGM as necessary to comply with the requirements of the Broward County Joint Municipal National Pollutant Discharge Elimination System (NPDES) Permit.

Goal II

Maintain and improve levels of service through cooperative agreements and procedures with jurisdictions and governmental entities at all levels.

Objective 2.1

In the maintenance and improvement of the Concurrency Management System, continue to coordinate with Miami-Dade and Broward County, the cities within Broward County, and the State of Florida to determine how capacity assignments will be made and how local impacts will be determined.

Policy 2.1.1 Generate annual reports summarizing the status of the City's Concurrency Monitoring System and, in conjunction with the annual update of the Capital Improvements Element.

Policy 2.1.2 Exchange reports with the entities noted within the objective, so that agreement on available capacity, development potential, and capital improvement needs can be accurately determined on a coordinated basis for all facilities operating in or used by Miramar.

Policy 2.1.3 As part of the statutory Comprehensive Plan amendment review process, ensure that all Comprehensive Plan amendments are forwarded to Broward County, Miami-Dade County, Hollywood and Pembroke Pines, West Park, for review and comment, and formally request the same from those jurisdictions.

Policy 2.1.4 The City shall continue to assess current as well as projected water needs and sources as part of the 10-Year Water Supply Facilities Work Plan.

Policy 2.1.5 Work jointly with FDOT, Miami-Dade County, Broward County, and adjacent cities as applicable to address mutually-significant transportation issues and impacts affecting the subject jurisdictions.

Policy 2.1.6 Actively participate in the meetings of Broward County's MPO various committees to discuss the impacts of Miramar's development activity on the Comprehensive Plans of nearby local governments and counties.

Policy 2.1.7 Keep actively participating in land use and trafficways actions, studies, and coordination efforts by the Broward County Planning Council as an effective input mechanism for trafficways and land use planning actions potentially impactful to Miramar's stated goals.

Policy 2.1.8 Keep actively participating in special project committees of the Broward County Planning Council as an effective coordination mechanism for trafficways and land use planning.

Objective 2.2

As the need for changing the current Level of Service Standards occurs, coordinate the changes with the appropriate State, regional, and/or local service provider, and ensure that the modifications are agreeable with all affected parties.

Policy 2.2.1 Continue to utilize the Level of Service Standard adopted by the applicable service provider for use in the City's Concurrency Management System which includes the City of Hollywood for wastewater; the SFWMD's C-9 Basin criteria for storm water management; the Broward County Resource Recovery Facility and Landfill for solid

waste; the Broward County Planning Council for land use; and Broward County, the MPO and FDOT for roads and transit.

Policy 2.2.2 The City shall ensure the costs of implementing projects and programs in the Capital Improvements Element will be equitably shared by affected local and regional governments and agencies.

Policy 2.2.3 Notify the South Florida Regional Planning Council and/or the appropriate local government of any proposed changes to Levels of Service Standards for locally provided services as soon as those changes are proposed.

Policy 2.2.4 Utilize the Metropolitan Planning Organization (MPO) as the primary means to coordinate with Florida Department of Transportation (FDOT) and Broward County as the need for amending the Levels of Service for the transportation system occurs.

Policy 2.2.5 The City will notify the City of Hollywood and/or Broward County of proposed Comprehensive Plan Amendments which may affect the City's anticipated needs for Sanitary Sewer or Potable Water Service.

Policy 2.2.6 Provide relevant Comprehensive Plan Elements and amendments, along with supporting data and analysis, to Broward County, the Broward County School Board, applicable local governments and other governmental entities providing services in Miramar, for review and comment with adequate time allotted for written comments to be returned to the City and to be fully addressed.

Policy 2.2.7 Notification of capital improvement projects identified in the Schedule of Capital Improvements proposed within 1,000 feet of the City's perimeter will be forwarded to the neighboring jurisdiction and within 1,000 feet of a public school to the School Board for comments pertaining to the proposed action in relationship to their respective Comprehensive Plan and the City will consider comments received from each agency or local government in their review process.

Objective 2.3

Continue to provide a mechanism for the effective coordination of the Comprehensive Plan with other units of local, regional, state, and federal government that provide services in or to Miramar, but do not have regulatory authority over the use of land.

Policy 2.3.1 Maintain the close working relationship with the Broward County School Board implementing the Interlocal Agreement (ILA) and the policies of the Comprehensive Plan to assist in providing adequate future school sites near residential areas and assessing opportunities for collocation of public facilities with different school types.

Policy 2.3.2 The City shall coordinate with Broward County Water and Wastewater Services (BCWWS) and other utilities adjacent to Miramar.

Policy 2.3.3 Coordinate updates to that plan that algin with the policies in the South Florida Water Management District (FWMD) Lower East Coast Water Supply Facilities Work Plan.

Policy 2.3.4 Miramar shall implement the 10-Year Water Supply Facilities Work Plan to ensure coordination of the Comprehensive Plan with the South Florida Water Management District (SFWMD) Lower East Coast Water Supply Facilities Work Plan.

Policy 2.3.5 Continue to enforce, and participate, in improving, the C-9 West and East Basin criteria of the South Florida Water Management District (SFWMD) in order to ensure the appropriate use of drainage facilities and land in western Miramar.

Policy 2.3.6 The City shall pursue coordination of activities with FDOT to address capacity and storm water management issues and needs along state roadways, including Red Road, Pembroke Road, University Drive, US 27, I-75, Florida's Turnpike, and State Road 7.

Policy 2.3.7 The City shall continue to coordinate with Broward County Environmental Permitting Division (BCEPD) as necessary to comply with the requirements of the National Pollutant Discharge Elimination System (NPDES) Stormwater Program.

VIII Capital Improvements Element

Introduction

~~The Florida legislature mandated that local governments plan for the availability of public facilities and services to support development concurrent with the impact of such development. Consequently, the Capital Improvements Element (CIE) and Schedule of Improvements has become the "cornerstone" of achieving this mandate. The purpose of the CIE is to: 1) identify the capital improvements that are needed to implement the Plan; 2) ensure that adopted Level of Service (LOS) Standards are achieved and maintained for concurrency related facilities (sanitary sewer, solid waste, drainage, potable water, parks and recreation, schools and transportation facilities, including mass transit; 3) estimate the costs of improvements for which local government has fiscal responsibility; 4) analyze the fiscal capability of the local government to finance and construct improvements; and 5) adopt financial policies to guide the funding and construction of improvements. The CIE must demonstrate the economic feasibility and fiscal responsibility of the Comprehensive Plan.~~

Pursuant to Section 163.3177(3), Florida Statutes (F.S.), the purpose of the Capital Improvements Element (CIE) is to consider the need for and the location of public facilities in order to encourage the efficient use of such facilities. The CIE shall include principles for construction; correction of existing public facility deficiencies; estimated costs; timing; general location; projected revenue sources; standards to ensure the availability of public facilities and their adequacy to meet established acceptable levels-of-service (LOS). The CIE ensures that an adequate concurrency management system is implemented by the City, pursuant to Section 163.3180, F.S.

The CIE shows how public infrastructure needs identified in other elements of the Comprehensive Plan will be funded. The CIE includes a Five-Year Schedule of Capital Improvements (SCI) consisting of any publicly funded projects by federal, state, and/or local funds, privately funded projects, projects necessary to achieve and maintain any adopted LOS standards for the five-year period being given a level of priority and identified as either funded or unfunded. The SCI also includes any transportation improvements from the Transportation Improvement Program (TIP) of the Broward Metropolitan Planning Organization (MPO).

The CIE shall be reviewed annually and annual update to the SCI may be accomplished by ordinance and not as an amendment to the Comprehensive Plan. The update to the CIE policy referencing the facility work plan adopted by the local school board may also be adopted by reference and is not subject to state review. However, any other amendments to the CIE outside of the Five-Year SCI (such as policy changes, LOS standard changes, etc.,) shall follow the expedited state review amendment process set forth in Section 163.3184(3), F.S.

GOAL I:

~~The City of Miramar, in conjunction with other service providers to the city, shall provide adequate public facilities at adopted Level of Service (LOS) standards to all residents and businesses within its jurisdiction in a manner which, maximizes the use and value of existing facilities, and effectively manages future growth such that adequate capital facilities are cost- efficiently expanded concurrent with development and environmental impacts.~~

The City will strive to provide sufficient and efficient infrastructure as appropriate to achieve and maintain the standards set forth within the comprehensive plan elements, by preserving, modifying, and replacing existing infrastructure and providing new infrastructure related to growth and resiliency.

OBJECTIVE 1.1: Funding Capital Improvements

~~The Capital Improvements Element will be updated annually, and capital improvements will be provided to correct existing deficiencies, to accommodate future growth at the adopted levels of service, and to replace worn-out or obsolete facilities, as indicated in the 2011-2015 Schedule of Capital Improvements (SCI).~~

Ensure that financial resources are available to provide capital improvements that meet infrastructure needs of existing development and planned future growth in a cost-effective manner.

~~Policy 1.1 The City shall designate those projects identified in the other elements of the Comprehensive Plan, determined to be of relatively large scale ($100,000 or greater), as capital improvement projects for inclusion within the 2011-2015 Schedule of Capital Improvements (SCI) of this element. All capital improvements in the 2011-2015 SCI, as well as, those with costs less than $100,000 will be included in the 5-year Capital Improvements Program (CIP) and Annual Capital Budget. The City shall adopt the annual capital budget as part of the budgetary process.~~

~~Policy 1.2 Proposed capital improvement projects identified annually through staff analysis of the Concurrency Monitoring System to be necessary to eliminate deficiencies and/or maintain adopted Level of Service standards shall be evaluated and ranked using the following criteria:~~

~~a. The extent to which the project is necessary to protect public health and safety.~~
~~b. Fulfills the City's legal commitment to provide facilities and services.~~
~~c. Correct existing deficiencies.~~
~~d. Maintains adopted levels of service.~~
~~e. Encourage infill development and/or preserve or achieve full use of existing facilities.~~
~~f. Promotes efficient development and prevents urban sprawl~~
~~g. Reduces future improvement cost.~~
~~h. Impacts on the budget.~~
~~i. Consistency with the Florida Department of Transportation Plan and other State Agencies Plans, including the South Florida Water Management District.~~

~~Policy 1.3 The City will continue to implement and improve 5-Year Capital Improvement Program, that analyzes public facility needs and prioritizes capital improvement projects consistent with the standards and criteria adopted in this element.~~

Policy 1.1.1 The City Manager shall prepare and propose a One-Year Operating and Capital Improvement Program (CIP) Budget along with a Five-Year ~~CIP Document~~ SCI, enclosed in this element as Exhibit A, to the City Commission annually as part of the annual budget preparation process, for adoption to meet infrastructure needs as discussed in other Elements of this Comprehensive Plan as follows:

1. The proposed CIP shall include sources of funding for each capital improvement or category of capital improvements.
2. Utilize the findings and recommendations of the Comprehensive Plan to develop the annual CIP.
3. The SCI should demonstrate that LOS standards will be maintained in such a way that deficiencies and needs are addressed during the next five-year period.
4. The SCI shall provide an estimate of public facility costs including a delineation of when it will be needed, the general location of the facilities and projected revenue sources to fund the facilities. Projects necessary to ensure that any adopted level of service standards are achieved and maintained for the five-year period are identified as either funded or unfunded and given a level of priority for funding.

Policy 1.1.2 Identify public facilities needed to adequately service existing development and development for which development orders were previously issued.

Policy 1.1.3 Capital projects identified annually through staff analysis of the Concurrency Monitoring System to be necessary to eliminate deficiencies and/or maintain adopted LOS standards will be evaluated using the following criteria:

1. **Meets federal, state or legal requirement** – Whether there is a federal, state, local mandate, grant, court order, judgment, or other requirement that the project must be completed.
2. **Project feasibility** – Whether there are obstacles to proceeding with the project land acquisition, easements, approvals required, etc.
3. **Costs and sources of funds** – Whether the project would impact the City's operating costs, debt service level, and/or whether the project would yield revenue.
4. **Reduces risk and improves urgent safety needs** – Whether the project reduces an immediate or future risk, addresses a public health and/or safety hazard, or addresses an urgent safety need.
5. **Relevant level of service and performance measures** – is the impact of the project measurable? Will completing the project improve key performance measures or result in efficiencies?
6. **Addresses aging infrastructure needs and maintenance of existing facilities** – Whether the project helps to repair or replace the City's aging infrastructures (e.g., bridges, seawalls, or roads) or provides for capital maintenance of existing City facilities (e.g., community centers, swimming pools, or sport complex).
7. **Project consistency with existing approved plans and projects** – Whether the project is directly consistent with a Commission approved plan.
8. **Improves traffic, mobility, connectivity, pedestrian safety and cyclist safety** – Whether the project would result in filling mobility gaps, supporting more effective interconnectivity, and ensuring increased and safe accessibility to activities, events and locations (bikeway path).
9. **Environmental benefits** - Whether the project would address climate change, flooding, energy efficiency, water quality, water efficiency or other sustainability measures
10. **Promotes or accelerates sustainable economic development** – Whether the project would directly result in capital investment, increased tax base, increased property values, or improved job opportunities.

Policy 1.1.4 The CIE will be reviewed annually, and the CIP shall include: sources of funding; considerations of the Comprehensive Plan to develop the annual CIP; adherence to LOS standards; estimate of costs; and timing of program needs

Policy 1.1.4a The SCI shall incorporate by reference the CIP as adopted and as amended annually by the City Commission.

Policy 1.1.4b Top priority will be given to appropriate levels and schedules of recapitalization including quantity, replacement cost, life cycle and annual depreciation/recapitalization needs when developing budget recommendations for the CIP.

Policy 1.1.4c Coordinate planning for City improvements with applicable government agencies.

Policy 1.1.4d Prioritize CIP projects based on hierarchy of program needs.

Policy 1.1.5 Examples of financing methods that may be used include:

1. **General Fund Revenues** – General tax revenues, transfers in from other funds, and other receipts that are not allocated by law or contractual agreement used for

new construction, as well as improvements to infrastructure primarily for community-wide benefit and use, such as municipal buildings and parks.

2. **Enterprise Fund Revenues** – Revenues from a fund that provides goods or services to the public for a fee that makes the entity self-supporting (e.g., Water and Sewer, and Stormwater).
3. **General Obligation Bonds** – Obligations secured by the full faith and credit of a governmental unit or payable from the proceeds of ad valorem taxes of a government unit which require voter approval.
4. **Grants** – Priorities adopted by the City Commission that direst staff's pursuit of funds used for capital projects when available.
5. **Regulatory Fees** – Fees that are imposed for a sovereign function and should not exceed the regulated activity's cost such as park impact Fees.
6. **Special Assessments** – Used to construct and maintain capital facilities such that the construction improves the property and the assessment has been fairly and reasonably apportioned among the properties receiving the benefit.
7. **Special Assessment Bonds** – Bonds that provide for capital improvements and are paid in whole or in part by levying and collecting special assessment on the abutting, adjoining, contiguous, or other specially benefited property.
8. **Revenue Bonds** – Bonds that finance income-producing projects and are secured by a specified revenue source (e.g., Stormwater Fees, Water and Sewer Rates).
9. **Public Private partnership** – A contractual agreement between a public agency and private sector entity with the intention of delivering a service or facility for the use of the general public.
10. **Energy Performance Contracts** – Projects that guarantee energy, water, and operational savings that must be greater than the cost of the project.

Policy 1.1.6 All legal, feasible, cost-effective methods of financing capital improvements shall be explored. Capital projects shall not be dictated by the nature of funding available except to the extent that the projects meet an initial test of being required to achieve City goals and to the extent that project must be placed in priority dictated by the nature of funds available.

~~Policy 1.4~~

Policy 1.1.7 Capital improvement projects that are necessary to correct existing deficiencies in developed areas in general and compact deferral areas specifically shall receive priority over capital improvement projects proposed for the undeveloped section of the City, with those within the Water and Wastewater Assessment Area given priority over those west of this area, in the expenditure of funds not allocated by law or contractual agreement to other projects.

~~Policy 1.5~~

Policy 1.1.8 The City shall maintain and improve its Stormwater Utility District to finance drainage improvements in the developed areas of Miramar.

~~Policy 1.6~~

Policy 1.1.9 The City will continue to implement the Master Local Area Drainage Plan, specifically oriented and limited to resolving small scale, localized drainage problems. Financing for this plan will come from grants, utility district revenues, private contribution, and special appropriation from the budget, or some combination of these sources.

~~Policy 1.7~~

Policy 1.1.10 Implement the recommendations of the 10 Year Water Facilities Work Plan, as amended and updated, and as outlined within the Sanitary Sewer and Potable Water

Sub-Elements to encourage infill development within the Water and Wastewater Assessment Area.

~~Policy 1.8~~

Policy 1.1.11 Implement, and update as necessary, the approved 1998 Master Parks Plan which is consistent with the Recreation and Open Space Element and includes the provision of new facilities, as well as, repair and replacement of existing facilities in existing parks, and also targets new park acquisition and development within the Water and Wastewater Assessment Area.

~~Policy 1.9~~

Policy 1.1.12 Continue, and improve as necessary, the coordinated system established in cooperation with Broward County to determine the impacts of proposed development on city roads at the time of platting so that the improvements necessary to maintain LOS as defined by the Concurrency Management System can be identified and programmed. This system will give priority to improvements in any compact deferral area and those within the Water and Wastewater Assessment Area.

~~Policy 1.10 The City shall consider the following amendment guidelines if one or more of the funding source(s) identified in the 5-Year Schedule of Capital Improvements is not available.~~

~~a. Adjusting the schedule by removing projects which have the lowest priority.~~

~~b. Delaying projects until funding can be guaranteed.~~

~~c. Not issuing development orders that would continue to cause a deficiency on the public facility's adopted level of service standards.~~

~~d. Pursue alternative funding sources.~~

~~**Objective 2**~~

~~Future development shall bear the full cost of providing infrastructure required to serve its users and maintain adopted LOS.~~

~~Policy 2.1~~

Policy 1.1.13 Impact fees, developer dedications and contributions shall be required in an amount equal to the cost of the infrastructure required to serve the development.

~~Policy 2.2~~

Policy 1.1.14 Utilize the City's Concurrency Management System and LDC requirements to assign new development a pro-rata share of the costs required to finance City road improvements necessary to maintain adopted level of service standards.

~~Policy 2.3~~

Policy 1.1.15 The City will continue to implement Ordinance 87–17, as amended, to acquire parkland through dedication or cash payment, and to assess new developments the full share of the costs necessary to finance recreational facilities which will be used by such future growth.

~~Policy 2.4~~

Policy 1.1.16 The City shall utilize a variety of mechanisms to assess and collect impact fees, dedications and/or contributions from private development to fully address the impact of new or growth-induced recreation and open space facilities needs.

~~Policy 2.5~~

Policy 1.1.17 The City will continue to require, at the time of platting, commitment to a developer's agreement establishing total ERCs to be developed and the payment of a potable water and sewer assessment based on those ERCs.

~~Policy 2.6~~

Policy 1.1.18 The City shall enforce the adopted Uniform Extension Policy for the extension of sewer and water facilities outside of the Water and Wastewater Assessment Area; these services will be initiated, financed, and constructed by the developer.

Policy 1.1.19 The City shall consider the following amendment guidelines if one or more of the funding source(s) identified in the Five-Year SCI is not available.

1. Adjusting the schedule by removing projects which have the lowest priority.
2. Delaying projects until funding can be guaranteed.
3. Not issuing development orders that would continue to cause a deficiency on the public facility's adopted level of service standards.
4. Pursue alternative funding sources.

Policy 1.1.20 The City shall continue to allocate funds for the replacement and renewal of infrastructure in an amount which will minimize operating costs and maximize the life of the infrastructure.

Objective 1.2: Public Facilities and Standards for LOS

Provide infrastructure, roads and public education facilities to meet existing needs and needs of planned future growth at the adopted level of service standards.

Policy 1.2.1 **Water** – Provide the necessary capital improvements to maintain water, wastewater and stormwater levels of service, based on service area proportional needs as described in the Infrastructure Element through 2045 and for consistency with the sustainability action plan as follows:

1. Capital improvements will adhere to all construction standards, minimize construction costs and assure acceptable useful life and minimum maintenance cost.
2. Water, sanitary sewer, and stormwater improvements will be designed and constructed to the size required to serve the City's projected needs.
3. To the maximum extent possible, water and sanitary sewer support systems should be designed to accept future facilities without the need to substantially redesign existing facilities.
4. Utilize existing and future sources of funding for water, stormwater and wastewater improvements including water and wastewater impact fees. Ensure all enterprise funds are continued and utilized for the intended purpose.
5. Assure that adequate water supplies and potable water facilities meeting the adopted level of service, shall be in place and available to serve new development no later than the issuance of a certificate of occupancy.
6. Implement the water supply projects described in the 10-Year Water Supply Facilities Work Plan. These improvements shall be incorporated into the Capital Improvements Element and City's budget on an annual basis.
7. Water supply projects to be undertaken within the next five years shall be included in the Five-Year CIP with identified, committed funding sources for initial three years as required by Chapter 163, F.S.

Policy 1.2.2 **Transportation** – Provide capital improvements necessary to meet the adopted LOS specified in the Transportation Element, giving due consideration to the City's neighborhood needs and prioritizing roadway improvement projects, which improve

safety, incorporate complete streets design elements, fill existing network gaps and support transit.

Policy 1.2.3 **Stormwater** – The City shall provide capital improvements related to the stormwater management, operations and maintenance including drainage improvements designed to improve flood protection and pollution controls to City's streets and roadways.

Policy 1.2.4 **Solid Waste** – Provide for adequate solid waste collection and disposal necessary to remain consistent with Broward County's Comprehensive Plan solid waste generation rates.

Policy 1.2.5 **Parks** – Provide improvements necessary to meet the adopted LOS specified in the Recreation and Open Space Element.

Objective 1.3

Implement and Regulate Infrastructure in a Sustainable Manner Land use decisions and development orders will be issued based on the planned availability of resources to provide sufficient improvements to maintain adopted LOS.

Policy 1.3.1 Future development will bear a proportionate share of the cost of providing infrastructure required to maintain adopted LOS standards contained in other elements of this Comprehensive Plan.

Policy 1.3.2 Recommendations on proposed land use changes will be based on an analysis of infrastructure planned to support the area.

Policy 1.3.3 Development orders will be issued based on the availability of infrastructure required to maintain the adopted LOS discussed in other elements of this Comprehensive Plan.

Policy 1.3.4 The transportation concurrency management system, as described within the Mobility Element and Land Development Code, will be implemented to determine whether development orders will be issued in areas with existing roadway and other transportation deficiencies.

Policy 1.3.5 Public facilities required to eliminate existing deficiencies for which the County is financially responsible will be included in the County's annually adopted five-year CIP.

Policy 1.3.6 The City will construct infrastructure necessary to maintain the adopted LOS standards as identified in the respective elements of this Comprehensive Plan.

Policy 1.3.7 As further described in the Land Development Code, within Standard Concurrency Districts, transportation projects included in the first two (2) years of the adopted municipal five (5) year schedule of improvements will satisfy the transportation concurrency requirement if such municipality has entered into an interlocal agreement with the County.

Policy 1.3.8 Within Standard Concurrency Districts and Transportation Concurrency Management Areas, proposed future land use map amendments and/or development proposals that will cause the roadway LOS to deteriorate below the adopted minimum LOS, shall require a mitigation plan to be approved by the County to address mobility needs. The Florida Department of Transportation (FDOT) will be consulted on mitigation plans that include SIS facilities.

Policy 1.3.9 Land Development Code will be revised consistent with Chapter 163, Florida Statutes, to ensure that all the objectives within the Comprehensive Plan are accomplished.

Policy 1.3.10 The capital millage rate shall continue to be based on the goal of continuing to rebuild the pay-as-you-go capital program with recurring revenue until an acceptable level is met, based on a detailed asset management program and national benchmarks.

Objective 1.4: Monitor Construction Feasibility

Construction of all improvements and facilities included within other plan elements will be monitored through the Land Development review process, which will ensure that the County is not required to construct improvements beyond its financial capacity.

Policy 1.4.1 Broward County's Land Development Code will continue to provide the basis for evaluating proposed developments and assessing whether the planned and existing infrastructure is sufficient to serve the proposed development.

Policy 1.4.2 The development review process shall continue to be used to monitor the construction of improvements required to meet the needs of new development and to maintain adopted LOS.

Policy 1.4.3 Impact fee payments and developer dedications and contributions will continue to be required in an amount equal to the cost of the infrastructure required to serve the development.

Objective 1.5

Coordinate and Collaborate with State, Regional and Local Agencies and Governments on Infrastructure Funding Strategies The County, in collaboration with the School Board and the municipalities, will ensure that public school facilities are available for current and future students consistent with available financial resources and the adopted LOS.

Policy 1.5.1 Capital improvements needed to maintain LOS which are the financial responsibility of Broward County, the Broward Metropolitan Planning Organization (BMPO), FDOT and the Broward County School Board, as described in other elements, will be included within the CIP. These needs will be served concurrently with the impact of new development or the needs to satisfy an existing deficiency or previously approved development.

Policy 1.5.2 The County will continue to urge the State of Florida Department of Transportation not to eliminate or reallocate budgeted appropriations for state funded road improvements for over-capacity roads, unless those improvements will be constructed using other financial resources.

Policy 1.5.3 In collaboration with regional transportation partners, the County will continue to pursue, as needed, the approval of General Obligation Bonds and other general funding sources to raise the dollars required to provide those public facilities which cannot be constructed with user fees, revenue bonds, impact fees, or other dedicated revenue sources.

Policy 1.5.4 Development will be deferred in those areas without sufficient public facilities to meet the adopted LOS, if the above funding alternatives are not approved by the electorate and if other general revenues are not available.

Policy 1.5.5 Consistent with policies and procedures within the Interlocal Agreement (ILA), the School Board's District Educational Facilities Plan (DEFP) will contain a 5-year financially feasible CIP to address existing deficiencies and achieve and maintain the

adopted LOS in all Concurrency Service Areas (CSA). This financially feasible schedule will be updated on an annual basis and annually adopted by reference into the CIE.

Policy 1.5.6 The adopted public schools LOS will be applied consistently by Broward County, the municipalities, and the School Board district-wide to all schools of the same type, as described in the Public Schools Facilities Element, Policy PSF2.3.

Policy 1.5.7 The School Board's DEFP, adopted by the School Board in September 2017 and as annually adopted thereafter, is adopted by reference into the CIE.

~~**Objective 3**~~

~~Miramar will continue to manage and improve its Concurrency Management System, ensuring that public facility needs necessary to maintain adopted Levels of Service identified within other Plan Elements are not exceeded and thus do not create improvement needs beyond the City's financial capacity.~~

~~Policy 3.1 The City's adopted Concurrency Management System ensures that the necessary facilities and services are available concurrent with the impacts of development. The City of Miramar reviews all City plats for concurrency and continues to participate in the countywide development review committee plat review and approval process which considers development proposed on nearly 100% of Miramar's vacant land.~~

~~The City and County plat approval process will require that necessary regional and local facilities and services be available concurrent with the impacts of development after the adoption of the Land Development Code and Concurrency Management System as of the date specified above, through any of the following situations:~~

~~a. The necessary facilities are in place at the time a plat approval is issued, or a plat approval is issued subject to the condition that the necessary facilities will be in place when the impacts of the development occur.~~
~~b. The necessary facilities are under construction at the time a plat approval is issued.~~
~~c. The necessary facilities are the subject of a binding contract executed for the construction of those necessary facilities at the time a plat approval is issued.~~
~~d. The necessary facilities have been included in the first three (3) years of the FDOT Five-Year Work Program, the Broward County capital improvement program and/or the City of Miramar's Five-Year Capital Improvement Program at the time a plat approval is issued although the facilities are not yet the subject of a binding contract for their construction. The City of Miramar shall make a determination that it will not remove the budgetary provision for the necessary facilities from the annual budget or the capital improvement program.~~

~~Policy 3.2 For those parcels that do not require platting, the above steps in Policy 3.1 will be considered at the time of site plan and review. In such cases the words site plan will replace "plat approval" wherever it appears in Policy 3.1 as amended.~~

~~Policy 3.3 Continue to manage and improve the City's concurrency monitoring system, as part of the Land Development Code, to:~~

~~• Determine whether necessary facilities identified within the City's Capital Improvements Element, including transportation, recreation, stormwater management, solid waste, potable water, and sanitary sewer facilities, are being~~

constructed in accordance with the Schedule of Capital Improvements, as amended, in the Comprehensive Plan.

- Update annually, existing level of service, committed capacity as defined in the Land Development Code, and facility needs to maintain adopted Levels of Service prior to and in conjunction with the annual update of the City's Capital Improvements Element and Capital Improvement Program, and preparation of the Annual Budget.

Policy 3.4 Prior to the issuance of Certificates of Occupancy, the City shall verify that all public facilities needed to serve the development have been provided as committed by the Concurrency Management System. If development approval occurred prior to the adoption of the Concurrency Management System, the City will verify that public facilities needed to serve the development are in place through the use of impact fees previously collected for this purpose, developer dedication or capital improvement program construction.

Objective 4

Continue to permit no development unless infrastructure facilities and essential services which meet the adopted Level of Service Standards are available concurrent with the impacts of the development as measured by the adopted Concurrency Management System. Amend on an annual basis the Capital Improvement Element per the requirements of 163.3177(3)(b), Florida Statutes.

Policy 4.1 The City hereby adopts the following level of service standards to determine the impacts of new development and redevelopment upon public facility provision:

a. Parks and Recreational Facilities 4 acres per 1000 population.
Florida Recreation and Parks Assoc. level of service standards for recreational facilities.

b. Sanitary Sewer
300 gallons per day per Equivalent Residential Connection (ERC).

c. Stormwater Discharge
The City establishes water quality standards for stormwater discharge in accordance with Chapter 62-25, F.A.C.

d. Potable Water
325 gallons per day per ERC.

e. Solid Waste
Land Use Levels of Service

Residential: 8.9 lbs. per unit per day

Industrial
& Commercial:
Factory/Warehouse 2 lbs. per 100 sq. ft. per day Office Building 1 lb. per 100 sq. ft. per day
Department Store 4 lbs. per 100 sq. ft. per day Supermarket 9 lbs. per 100 sq. ft. per day
Restaurant 2 lbs. per meal per day
Drug Store 5 lbs. per 100 sq. ft. per day

Schools:
Grade School 10 lbs. per room & 1/4 lbs. per pupil per day High School 8 lbs. per room & 1/4 lbs. per pupil per day

Institutions:
Hospital 8 lbs. per bed per day Nurse or Intern Home 3 lbs. per person per day

Home for Aged 3 lbs. per person per day
Rest Home 3 lbs. per person per day

f. Drainage
Road Protection: Residential streets not greater than eighty feet wide rights-of-way to have crown elevations at or above the elevation for the respective area depicted on the ten year "Flood Criteria Map." Rights- of-way greater than eighty feet wide to have an outside edge of through lane pavement at or above the elevation for the respective area depicted on the ten year "Flood Criteria Map."

Buildings: To have the lowest floor elevation no lower than one (1) foot above base flood or 18 inches above the highest point of the adjacent road crown elevations, whichever is greater.
Off Site Discharge: Not to exceed the inflow limit of SFWMD primary receiving canal or the local conveyance system, whichever is less.

Storm Sewers: Design frequency minimum to be three-year rainfall intensity of the Broward County Water Management Division rainfall intensity/duration curves.

Flood Plain Routing: Calculated flood elevations based on the ten year and one hundred year return frequency rainfall of three-day duration shall not exceed the corresponding elevations of the ten year "Flood Criteria Map" and the "100 Year Flood Elevation Map," as published by Broward County.

Antecedent Water Level: The higher elevation of either the control elevation or the elevation depicted on the map "average wet season water levels," as published by Broward County.

On Site Storage: Minimum capacity above antecedent water level and below flood plain routing elevations to be design rainfall volume minus off site discharge occurring during design rainfall.

Best Management Practices (BMP): Prior to discharge to surface or ground water, BMP's will be used to reduce pollutant discharge.

Policy 4.2 The City shall be divided into Concurrency Districts. Each District shall be one of the following types:

1. A Transportation Concurrency Management Area (TCMA) shall be a compact geographic area with an existing network of roads where multiple, viable alternative travel paths or modes are available for common trips. An area-wide level of service standard shall be established for this District, for the purpose of issuing development orders and permits, based on how mobility will be accomplished within the Area. The portion of the City situated between I-75 and the Florida Turnpike is located within the South Central Concurrency District TCMA. The portion of the City situated east of the Florida Turnpike is located within the Southeast Concurrency District TCMA.

2. A Standard Concurrency District shall be an area where roadway improvements are anticipated to be the dominant form of transportation enhancement. A roadway level of service standard shall be established for each such District, based on the peak hour standard volumes contained in the Florida Department of Transportation Level of Service Manual for this District lying west of I-75. The portion of the City situated

west of I-75 is located within the Standard Southwest Concurrency District.

3. Roadway facilities forming the boundary of a Concurrency District are part of that District.

Policy 4.3 All Standard Concurrency Districts within the City and County shall also be considered Transportation Concurrency Exception Areas (TCEAs) per the 2009 amendment to Senate Bill 360.

1. TCEAs are designated such as of July 8, 2009. Within 2 years of the TCEA designation (by July 8, 2011), the City shall adopt comprehensive plan amendments and transportation strategies to support and fund mobility within the TCEA.

Policy 4.4 If the Standard Concurrency District/TCEA is converted into a TCMA, then the Comprehensive Plan will be amended to recognize the change to TCMA.

Policy 4.5 The concurrency management system shall establish the following transportation level of service (LOS) standards:

TRANSPORTATION CONCURRENCY MANAGEMENT AREAS

1. Within the Transportation Concurrency Management Areas, the transportation LOS standards, for the purpose of issuing development orders and permits, are to achieve and maintain the following by FY 2013:

a. Southeast TCMA District - Maintain headways of 30 minutes or less on 80% of routes. Establish and maintain service at one or more neighborhood transit centers. Increase peak-hour weekday fixed- route transit ridership by 24 percent from FY 2009 to FY 2013.

b. South Central TCMA District - Maintain headways of 30 minutes or less on 80% of routes. Establish and maintain service at two or more neighborhood transit centers. Increase peak-hour weekday fixed- route transit ridership by 22 percent from FY 2009 to FY 2013. Maintain the current number of community bus routes through 2013.

c. Overall – Increase number of bus stop shelters by 25 percent from FY 2009 to FY 2013. Traffic volumes on arterial roadways in each District shall remain less than the maximum service volumes as displayed below. These volumes do not apply to Strategic Intermodal System (SIS) and Transportation Regional Incentive Program-funded roadway facilities and cannot be used in a manner that would result in interference with mainline operations on SIS roadway corridors. The City will coordinate with the County and FDOT during 2009 to revise downward the volumes in this table.

Peak Hour Two Way Maximum Service Volumes	
Two-lane Arterials	2,555
Four-lane Arterials	5,442
Six-lane Arterials	8,190
Eight-lane Arterials	10,605

*The Maximum Service Volumes are calculated from "Generalized Peak Hour Two-Way Volumes for Florida's Urbanized Areas", published by the Florida Department of Transportation, as 75% above the volumes for Class II State Two- Way Arterials, for Level of Service D, for all other Districts.

STANDARD CONCURRENCY DISTRICTS

2. Within the Standard Concurrency Districts, the transportation LOS standards, excluding SIS and Transportation Regional Incentive Program- funded roadway facilities, for the purpose of issuing development orders and permits are the generalized two-way peak-hour LOS D standard volumes depicted below, Level of Service Manual, Florida Department of Transportation (2002).

a Southwest District (Standard) – the generalized two-way peak-hour LOS "D" standard volumes depicted on Table I below, Quality/Level of Service Handbook, FDOT (2002).

Table I
Generalized Peak Hour Two-Way "LOS D" volumes for Florida's Urbanized Areas

Lanes	**2-lane Undiv.**	**4-lane Div.**	**6-lane Div.**	**8-lane Div.**	**10 Div.**	**12 lanes**
State 2-way Arterials Uninterrupted Flow	1,720	5,870	8,810	---	---	---
Interrupted Flow Class I (0 to 1.99)	1,560	3,390	5,080	6,440	---	---
Interrupted Flow Class I (2.00 to 4.50)	1,460	3,110	4,680	6,060	---	---
Interrupted Flow Class III	1,200	2,750	4,240	5,580	---	---
Interrupted Flow Class IV	1,310	2,880	4,350	5,690	---	---
Freeways, Group 1	---	6,510	10,050	13,600	17,160	20,710
Freeways, Group 2	---	6,250	9,840	13,420	16,980	20,560
Non-State Roadways Major City/County Rd	1,390	2,950	4,450	---	---	---
Other Signalized Rds.	950	2,070	---	---	---	---

Source: Broward County Transportation Element 2006 Comprehensive Plan

3. The level of service standards for roadways on the SIS, including connectors, and roadway facilities funded in accordance with Section 339.2819 F.S., the Transportation Regional Incentive Program (TRIP), shall be set forth in Rule 14-94, FAC, summarized below. These

standards shall apply for the purpose of issuing development orders and permits.

TABLE II MIRAMAR SIS FACILITIES			
	Roadway	**Roadway Segment**	**LOS Standard***
SIS CORRIDORS	Florida Turnpike & Homestead Extension	Miami-Dade County line to Palm Beach County line	D
	Interstate 75	Miami-Dade County line to Pembroke Rd	D
	US 27	Miami-Dade County line to Pembroke Rd	D
SIS CONNECTORS	Sheridan Street Tri-Rail Station**	I-95 to N 29th Avenue to entrance	D
TRIP-FUNDED FACILITIES***	State Road 7 from North of Miramar Pkwy to north city limits	State Road 7/U.S. 441 from NE/NW 215th Street (Miami-Dade County) to north city limits	D
	State Road 7/U.S. 441 from South of Miami-Dade County Line to north city limits	State Road 7/U.S. 441 from NE/NW 215th Street (Miami-Dade County) to north city limits	D
* The level of service letter designations are defined in FDOT's 2002 Quality/Level of Service Handbook unless an alternate (as refined through identified mobility strategies) standard is agreed to in writing by FDOT.			
** Sheridan Street Tri-Rail Station not within the City of Miramar.			
*** Broward County should coordinate with FDOT on the setting of the level of service standard for facilities that receive TRIP funding. The presumption is that LOS D will apply as soon as the improvement is programmed for implementation; however, an alternate standard may be adopted in TCMAs if agreed to in writing by FDOT.			

Policy 4.6 The transportation LOS standards for the purpose of long range transportation planning shall be:

1. For SIS and Transportation Regional Incentive Program-funded Facilities, the LOS standards as identified in policy 4.5 (3)/Table II.

2. For roadways not on the SIS (including connectors), and not funded in accordance with Section 339.2819 F.S. (TRIP), the generalized two-way

peak hour LOS "D" standard volumes depicted in TABLE I Quality/Level of Service Handbook, Florida Department of Transportation (2002).

3. When LOS standards are developed for SIS connectors, the City will evaluate adoption of these standards.

4. To assist in maintaining SIS level of service standards in the future, the City shall also consider strategies such as improvements to or the creation of parallel facilities, encouraging use of alternate modes of travel, and supporting travel demand management techniques.

Policy 4.7 The City supports the addition of lanes and reconstruction of State Road 821 (Florida's Turnpike), from Interstate 75 to Northwest 57th Avenue, pursuant to the Florida Department of Transportation's Work Program.

Objective 5: Coordination with School Board for School Capacities

The City of Miramar shall advise Broward as needed in regard to school needs generated by City's growth. The City, in collaboration with the School Board and Broward County, shall ensure that public school facilities are available for current and future students consistent with available financial resources and the adopted (LOS).

Policy 5.1 Consistent with policies and procedures within the Interlocal Agreement (ILA), as amended, the District Educational Facilities Plan (DEFP) shall contain a 5 year financially feasible CIP to address existing deficiencies and achieve and maintain the adopted LOS in all Concurrency Service Areas (CSA). This financially feasible schedule shall be updated on an annual basis and annually adopted into the CIE.

Policy 5.2 The LOS for School Type A as described in Policy 1.2.3 of the Public Schools Facilities Element (PFSE), shall be 100% gross capacity (including relocatables). The LOS for School Type B shall be 110% permanent Florida Inventory of School Houses (FISH) capacity

Policy 5.3 The LOS shall be adopted and incorporated into the PSFE of Broward County and City of Miramar's Comprehensive Plans.

Policy 5.4 The City shall automatically amend its CIE to reflect any amendment, correction or modification to the School Board's DEFP concerning costs, revenue sources, or acceptance of facilities pursuant to dedications or proportionate share mitigation, once adopted by the School Board.

Objective 6

The analyses performed in the other comprehensive plan elements have identified facility improvements needed to meet the demands of existing and future development. The impacts of new or improved public educational and public health care systems and facilities on the provision of infrastructure were examined within these analyses. Table 6.1 identifies those capital improvements required to meet level of service standards as defined in GOP's section of this element.

Consistency with other Comprehensive Plan Elements

Policy 6.1.1 The Infrastructure Element lists the capital improvements necessary for sanitary sewer, solid waste, stormwater management, potable water/aquifer recharge under the Capital Improvements sections of the Element.

The Transportation Element describes necessary improvements to streets, bikeways, pedestrian networks, and transit in the Implementation Strategies section.

The Recreation and Open Space explains that while the City is meeting its level of service, there are capital improvements planned for the next planning horizon. These projects are listed in the Capital Improvements of the Element.

The Future Land Use Element supports the facilities needs identified in the Utilities, Transportation, and Recreation and Open Space Elements. The other elements of the plan, Housing, Conservation, and Intergovernmental Coordination do not specifically identify any capital improvement needs.

Table 6.1 Canital Imnrovement Needs Identified in the Comprehensive Plan

Capital Improvement Program FY 2021 - FY 2025

Section I: List of 5 Year Capital Projects that will have a fiscal impact on the FVZI budget

Project Number	Project Title	5-Year Schedule FY 2021 - FY 2025	Department	FY 2021 Budget	FY 2022 - FY 2025	5-Year Total Cost
	Park Facilities					
51001	Vizcaya Park	FY 22	Ut ilitie s	$	$ 470,000	$ 470,000
51003	Park Improvements-Various	FY 22	Parks & Recreation		300,000	300,000
51006	Amp hith eater at Miramar Reg ional Park	FY 22	Ut ilities		400,000	400,000
51021	Playground Resurfacing	FY 22 - FY 25	Parks & Recreation		320,000	320,000
51023	Ansin Sports Comple x - Phase IV	FY 22	Utilit ies		2,200,000	2,200,000
51024	Ci ty of Miramar 911 Remembrance Monumen1	FY 22	Ut ilitie s		800,0 00	800,000
51029	Miramar Reg ional Bark Park Trail	Capital Grants Fund 393	Parks & Recreation	100.00 0		100,000
Future	Mirama r Athl etic Pa rk Renovation s	FY 22 - FY 24	Utilities		1,275,000	1,275,000
Future	Country Lakes West Park	FY 22 - FY 24	Utilities		3,880,000	3,880,000
Future	Country Lakes East Park	FY 22 - FY 24	Utilities		2,725,000	2,725,000
Future	Miramar Regional Park Conference Center	FY 22 - FY 23	Utilities		7,045,544	7,045,5 44
Future	Miramar Reg ional Ove rflow Parking Improvement s	FY 22 - FY 23	Utilit i es		5,355,000	5,355,0 00
Future	Linear Park Lighting Improvements	FY 22 - FY 23	Utilities		366,000	366,000
Future	Mirama r Aqu atics Equipment Replacemen t	FY 22	Utilities		245,326	245,326
Future	Lakeshore Park Improvements - Phase II	FY 22	Par ks & Recreali on		155,0 00	155,000
Future	Miramar Aquatics Complex Pool Line r Rep lacement	FY22	Parks & Recreation		210,00 0	210,000
Future	Miramar Regional Park Artifi cial Turf	FY 23	Parks & Recreation		995,000	995,000
Future	Ansin Sports Complex Stadium Improvements	FY 22	Par ks & Recreali on		1,465,000	1,465,000
	Total PF Projects			$ 100,000	$ 28,206,870	$ 28,306,870
	Infrastructure Redevelopment & Improvements					
52004	Sewer Line Reha bilit atio n	Utility Fund 410	Ut ilit ies	$ 250.000	$ 1,000,000	$ 1,250,000
52009	Public Informati onal Signs	FY 22	Utilit i es		300,000	300,000
52016	Meter Repair & Replace ment	Utility Fund 410	Ut ili ti es	250.000	1,000,000	1,250,000
52021	His toric Miram ar Canal Improvements	Stormwater Mgmt Fund 415	Public Works	340.000	1,360,000	1,700,000
52022	Street Construction & Resu rfacing- Various Locations	Capital Grants Fund 393	Public Works	5,705.803	4,000,000	9,705,803
52024	Bass Creek Rd-S W 148 Ave to approx. 3,270 Feet East	FY 22 - FY 23	Ut ili ti es		3,680,000	3,680,000
52036	Landscaping & Beauti ficatio n-Miramar Parkwa y, Miramar Blvd, Red Road Gateway & University Drive	FY 22 - FY 23	Ut ilit ies		1,000,0 00	1,000,000
52060	Air Conditioning Systems Rep lace ment Program	FY 22 - FY 25	Public Works		630,000	630,000
52061	Pembroke Road -SW 160 Av e to US 27/Mir Pkwy Ext	Capital Grants Fund 393	Utilit i es	9,430.000	30,000,000	39,430,000
52062	Left Turn Lane from Red Road to Miramar Town Center	FY22	Utilities		365,000	365,000
52063	Repair/Replacemen t of Existing Sidewalks	Capital Grants Fund 393	Public Works	377.801	600,000	977,801
52069	LED Streetlig ht Instal latio n & Upg rade	FY 22 - FY 24	Pub lic Works		1,057,146	1,057,146
52072	Water Service Line/ Ma in Repair/Re plac ement	Utility Fund 410	Utilit ies	500.000	2,000,00 0	2,500,000
52074	ADA Evaluatio n an d Co rre ctive Ac tion	FY 22 - FY 25	Utili ti es		800,000	800,000
52076	Country Club Ranches W ater Ma in Improve ments - Phase I	CIAC Fund 414	Utilit i es	1,500.000	1,000,000	2,500,000
52085	Sustainable Rene wable Ener gy & Conservatio n Initiative s	CIAC Fund 414	Ut ilit ies	500.000	2,000,000	2,500,000
52087	Bus Facilities Infrastructure Improv e ment Program	Capital Grants Fund 393	Public Works	144.000	1,098,900	1,242,900
52088	WWRF Building N 2nd Floor Conversion/Renova tions	Utility Fund 410	Utilit i es	500.000		500,0 00
52089	Pembroke Road Bike Lanes - Palm Ave to Douglas Rd	Capital Grants Fund 393	Utilit ies	252.000		252,000
52090	Pembroke Road Bike La nes- Sta l e Road 7 to Island Drive	Capital Gran ts Fund 393	Utili ti es	90.000	2,910,000	3,000,000
52091	Util ities Collec tion & Distribution System Improv ements	Utility Fund 410	Utilit i es	400.000	3,000,000	3,400,000
52092	W est Water Treatm ent Plan! Capacity Improvements & Upgrades	FY 22	Ut ilit ies		1,285,000	1,285,000
52093	Waslewaler Reclamation Facility Capaci1y Improvements & Re Ra1ing	Utility Fund 410	Ut ili ti es	1,200,000	5,000,000	6,200,000
Future	Fleet Maintenance Vehicl e Parking Lot	FY 22 - FY 23	Public Works		372,590	372,590
Future	Hi storic Miramar Drainage Improvements - Phase V	FY 23 - FY 24	Public Works		6,030,2 41	6,030,2 41
Future	His toric Miramar Drainage Imp r ove ments - Phase VI	FY 25	Publi c Works		2,430,491	2,430,491
Future	SW 148 Ave Widen ing-Mira mar Pkwy to Bass Creek Rd	FY 22 - FY 23	Utilit i es		10,420,000	10,420,000
Future	Miramar Blvd Widenin g-P al m Ave to Douglas Rd	FY 22 - FY 23	Utili ti es		11,420,00 0	11,420,000
Future	Honey Hill Road Wide ning- Red Rd to Flaming o Rd	FY 23 - FY 24	Utilit ies		10,420,000	10,420,000

Capital Improvement Program FY 2021- FY 2025

Section I: List of S Year Capital Projects that will have a fiscal impact on the FY21 budget (cont'd)

Project Number	Project Title	5-Year Schedule FY 2021 - FY 2025	Department	FY 2021 Budget	FY 2022 - FY 2025	5-Year Total Cost
	Infrastructure Redevelopment & Improvements (cont'd)					
Future	In st allati on of Guar dr ail along Utopia Drive	FY22	Public Works		210,000	210,000

Future	HR Departm ent Of fice Renov ation s	FY 22	Ulilities		350,000	350,000
Future	Ea stbo und Turn Lane Exte nsion along Miramar Pkwy from Dykes Rd to South bo und 1-75	FY22	Utilities		450,000	450,000
Future	Side w alk Impro veme nt s Aro un d AC Perr y K-8	FY 23 - FY 25	Utilities		t,80 3,04 4	t,80 3,044
Future	2 M ill ion Gallo n Stor age Tank Re ha b il it ation	FY 23	Ulilities		500,000	500 ,000
Futu re	Sunse t Lakes & Fair w ay Early Child hoo d Playg ro u nd Eq u i pme n t & Soft Surf ac e Cov ering	FY 22	Community Services		257,250	257,250
	Total tRI Projects				**$ 2t ,439,604**	**$ 108,749,662**	**$ 130,189,266**
	Public Buildings					
53012	Fire Sta tion 107	FY 22	Ulilities	$	$ 175,000	$ 175,000
53016	Facilities Capi1al Improvem ent	FY 22	Ulilities		1.10 0,00 0	1,100,000
53018	Hisloric Miramar Pu bli c S afel y Complex	FY 22 - FY 23	Ulilities		1,225,000	1,225,000
53025	Historic Miram ar In n ovati on & T ech nolo gy Village	FY 22	Utilities		3,100,000	3,100,000
Future	City Commissio n Conference Room Expansi on	FY 22	Ulilities		175,000	175,000
	Total PB Projects			$	$ 5,775,000	$ 5,775,000
	Capital Equipment, Vehicles and Software					
54011	Building Pla ns Digital Conversion	FY22	Community Dev	$	$ 98,970	$ 98,970
54017	Utilities Video Survei llanc e Security System	Utilily Fund 410	Ulilities	295, 000	570,000	865,000
Future	Air & Light Support Unit	FY22	Fire Rescue		38 5,000	385,000
Future	Special Opera tions Vehicle (SOV)	FY 24	Fire Rescue		92 0 ,000	920,000
Future	Bu ses Im p rovem ent Program	FY22	Public Works		375,500	375,500
Future	Citywide Vide o S urv eillance Secu rity S ystem	FY 22	Informalion Tech		699, 27 3	699,273
	Total CE Projects			$ 295,000	$ 3,048,743	$ 3,343,743
	TotalFY 2021 -FY 2025 CIP 5 Year Projects			$ 21,834,604	$ 145,780,275	$ 167,614,879

Section II: Requested changes to Capital Projects that will have no fiscal impact on the FY21 budget

Funds will be transfe rr ed b e twe en the fo ll owing C IP pr □Jects:

Project Number	Project Title	5-Year Schedule FY 2021 - FY 2025	Department	FY 2021 Transfer	FY 2021 - FY 2025 Requested Funding	5-Year Total Cost
51028	Corporat e Pavilion Exp ansion at Mira m ar Regional Park	Park Development Fund 387, GIP Rev Bond 2013 Fund 388	Ulilities	**$ (399,080)**	$	**$ (399,080)**
51022	Skat e Parks	Park Development Fund 387, GIP Rev Bond 2013 Fund 388	Parks & Recre alion	154 080		154,080
51029	Miramar Reg io nal Bark Park Trail	Park Developm ent Fund 387	Parks & Recre alion	100.000	100,000	200,000
52077	Buf fer W all along Pembroke Ro ad Adjacent to Un ive rsi ty Park Plat	GIP Rev Bond 2013 Fund 388	Ulilities	95.0 00		95,000
53016	Facilities Capital Improvem ent	GIP Rev Bond 2013 Fund 388	Ulilities	50,000	1,100,000	1,150,000
52010	East (Historic) Miramar F ir e H ydrant & Lin es Improve.	Utili ty Fund 410	Ulilities	**(350,000)**		**(350,000)**
52041	East W ater Plant Process Enhancement	Utility Fund 410	Ulilities	**(7,500,000)**		**(7,500,000)**
520 71	W ast ewater Rec lama tion Faci lity Digester Cleaning & Re lu rbishme nt	Utili ty Fund 410	Ulilli es	**(1,550,000)**		**(1,550,000)**
54007	W WRF Equipment Replacement & Pro ce ss Rehab.	Utility Fund 410	Ulilities	**(500,000)**		**(500,000)**
520 92	W est Water Treatme nt Plant Capacity Improveme nts & Upgrad es	Utility Fund 410	Ulilities	9,900, 000	1,285,000	11,185,000
52081	Childcare Playgrounds Soft Su rface Coveri ng	GF Capital Projects Fund 395	Ulilities	**(195,535)**		**(195,535)**
5209 4	Sil ver Shores Early Childhood Playground Improvements	GF Capital Projects Fund 395	Community Service s	19 5. 535		195,5 35
52086	Pembr oke Road Exp ans ion Dykes Rd to SW 184 Ave	Developer Contribution 395	Utilities	**(192,189)**		**(192,189)**
520 61	Pembroke Road S W 160 Ave lo US 27/Mir Pkwy Ext.	Developer Conlribuli□n 395	Ulilities	192.189	39,430,000	39,622,189

Capital Improvement Program *FY 2021 - FY 2025*

Section III: Projects to be programmed once funding source is identified

Project Number	Project Title	5-Year Schedule FY 2021 - FY 2025	Department	FY 2021 Budget	FY 2022 - FY 2025	Total Unfunded
	Park Facilities					
Future	Parks & Recreation Field Operations Center at Country Club Ran ches	Unfunded	Utilities	$	$	$ 852,7 00
	Total PF Projects			$	$	$ 852,700
	Infrastructure Redevelopment & Improvements					
Future	Town C enter Courtyard Br ick Paver Rep lac emen t	Unlunded	Public Wor ks	$	$	$ 175,000
Future	WWRF Fuel Depot Renovations	Unfunded	Public Works			230,70 0
Future	SW 148 Ave Improvements-Miramar Pkwy to SW 27 St	Unfunded	Util ities			1,020,00 0
	Total IRI Projects			$	$	$ 1,425,700
	Public Buildings					
53019	Renova tions & Ad ditio ns lo Fire St ation 84 and Fire Rescue Headquarte rs	Unfunded	Utilities	$	$	$ 8,5 05,000
Future	Vick i Coceano Childca re Facilit y Replacement	Unfunded	Utilities			2,795,000
Future	Vehicle Wash Facility	Unfunded	Public Works			497,8 00

	Total PB Projects				$	$	$ **11,797,800**
	Capital Equipment, Vehicles and Software						
Future	EnerGov Implementation		Unlunded	Inlormalion Tech	$	$	$ 639,38 3
	Total CE Projects				$	$	$ **639,383**
	Total To Be Programmed CIP Projects				$	$	$ **14,715,583**

Note: Project numbers are only assigned to existing and FY 2021 projects. Justifications for FY 2021 capita1 proje cts are available within each budgeted fund.

Revenue Resources

6.1.2 The City of Miramar is a city which offers a full range of government services. Therefore, it can avail itself of most revenue sources available to Florida municipalities as listed below: Table 6.2 identifies the revenue source and the amount actually collected during the past fiscal year (2007-08)

The City of Miramar records financial transactions in individual accounts called funds. Table 6.3 lists the City's fund accounts and identifies revenue resources from Table 6.2 in their appropriate fund.

Table 6.2 City of Miramar Revenues Sources

				Collections
		Revenue Source	**DOR Code**	**During FY 08-09**
		Ad Valorem Taxes	311.000	$ 49,721,815
		Local Communications Services Tax	315.100	6,198,980
		Local Occupational License Taxes	316.000	1,237,456
		State Revenue Shared with Local Governments		
	A.	1/2¢ Sales Tax (Cities and Counties)	335.180	5,664,795
	B.	Municipal Revenue Sharing	335.120	1,334,395
		Impact Fees	363.000	697
		Stormwater Utility Fee	343.950	2,282,644
		Public Service Tax	314.000	6,992,881
		Franchise Fees	323.000	8,760,064
		Grants		
	A.	Federal	331.390	3,100,501
	B.	State	334.100	4,779,618
		TOTAL		$ 90,073,846

Table 6.3 City of Miramar Fund Accounts

		FY 08-09
	DOR Code	**(Actual Revenues)**
General Fund		
Ad Valorem Taxes	311.000	$ 49,382,828
Local Communications Services Tax	315.100	6,198,980

Local Occupational License Taxes	316.000	1,237,456
1/2¢ Sales Tax (Cities and Counties)	335.180	5,664,795
Municipal Revenue Sharing	335.120	1,334,395
Public Service Tax	314.000	6,992,881
Franchise Fees	323.000	8,760,064
FUND TOTAL		79,571,399
Grant Fund		
Federal	331.390	3,100,501
State	334.100	4,779,618
FUND TOTAL		7,880,119
Park Development Fund		
Impact Fees	363.000	697
FUND TOTAL		697
Utility Fund		
Stormwater Utility Fee	343.950	2,282,644
FUND TOTAL		2,282,644
TOTAL		$ 89,734,859

6.5 Financial Analysis

Local Practices Guiding Timing and Location of Public Facilities

6.5.1 The Capital Improvement Plan (CIP is a five-year financial plan that addresses the necessary funding for the acquisition, construction and rehabilitation of the City's equipment/fleet, facilities and infrastructure to meet LOS standards. As such, the CIP represents a schedule and estimate of both current and future capital needs, as well as the associated costs and supporting revenues. The CIP is produced as its own document; however, since all CIP projects have the potential to significantly impact the annual operating budget, the annual operating budget and CIP are created in unison. For this reason, the annual operating budget and CIP are created each year as companion documents for the review by the City Commission based upon the following funding policies:

a. the City will develop and update a five-year CIP on an annual basis; only the first year of the CIP is included and adopted in the annual budget;

b. the mission of the organization is to enhance the quality of life within our community through a proactive and effective government;

c. continued maintenance and repair of city facilities;

d. maximization of city resources, availability of funds and reflection of sound fiscal policies including infrastructure investments;

e. capital improvements to include items/projects that have a life expectancy of over one year and a cost in excess of $100,000, and;

f. capital improvements to be ranked in order of priority by city staff based upon the proposed guidelines contained in Policy CIE 1.2 of this Element.

Costs of Needed Capital Improvements and Basis of Cost Estimates

6.5.1 The City of Miramar CIP process begins with city departments submitting their five-year capital project needs and annual operating budget requests. Department directors use a capital improvement project request form to help guide them through the process. Key components of the request form include a category of capital expenditures and the relationship to the City's goals and objectives. The Finance Department then reviews the project requests and produces a 5-year capital improvement plan for review and consideration by the City Commission.

The estimated 2011-0215 CIP project costs were prepared by City staff with consultants and professionals as required.

Impact of Public Educational and Health Care Systems on Infrastructure

6.5.2 Based upon the Broward County School Board (BCSB) District Educational Facilities Plan, one new high school "MMM" is proposed which will be located in Miramar. No new elementary or middle schools are proposed within the City. It has been determined that existing schools are adequately served by current roadways, sanitary sewer, solid waste, drainage, potable water and recreation facilities.

The Miramar Memorial Hospital is the regional public health facility located in Miramar and included in the South Broward Hospital District. No new hospitals are expected to be built in the City by 2014 both public schools and hospitals operate under their own taxing district and thus fund their own infrastructure needs. The City does not fund or operate any public school or hospital. The existing infrastructure to support schools and the hospital meet level of service standards. Impact fees for future expansion of these public facilities may be waived by the County.

Support of the Future Land Use Element

6.5.1 The platting and concurrency process established by Broward County and discussed in the Plan ensures that future capital facilities are in place when needed by a new development or a significant redevelopment. Any major increase in density or intensity of use in the City would require a land use amendment which would be reviewed by the County's Planning Council.

The most likely land use scenario in the future is to see redevelopment of underutilized residential parcels at higher densities, redevelopment of blighted commercial areas into new residential, commercial or mixed use projects, and development of vacant land at the highest density and intensity permitted or as mixed use. This combination of land uses will accommodate the projected population growth and land use needs. The resulting concern for public facilities and services is the ability to accommodate increased densities. This is analyzed in detail in the Infrastructure Element. The plans of the South Florida Water Management District have been taken into consideration within the Utilities Element as well.

The effect of increased density on transportation and transit has been addressed in the Transportation Element. The plans of the Florida Department of Transportation, District Four have been taken into consideration in the Transportation Element as well.

Ability to Finance Capital Improvements

6.5.2 The City of Miramar takes great pride in the appearance of its property and the services it provides to its businesses and citizens. This is reflected in the cumulative investment that the City has made over the past 52 years in capital assets. At the end of fiscal year 2007, the total amount of the City's capital assets net of accumulated depreciation totaled $477 million.

The assets of the City of Miramar exceeded liabilities at the close of fiscal 2007 by $436 million. This represents the net assets of the City. Of this amount, $173 million was from governmental funds (general, special revenue, debt service, capital projects and permanent funds) and $263 million was from business-type activities (water, sewer and solid waste funds).

As of September 30, 2007 the City's governmental combined funds reported ending fund balances of $76 million. Approximately 76 percent, or $57 million, was available for spending at the government's discretion. The unreserved fund balance for the general fund was $33 million, or 36 percent of the general fund expenditures.

Debt Administration

At September 30, 2007, the City had several debt issues outstanding. Included in the general long-term debt account group (GLTDAG) was 102 million in revenue bonds and notes (supported by revenue other than through taxes) and $36 million in proprietary bonds (funded by water and sewer revenues).

When rating municipalities, rating agencies look favorably upon proactive management and cities with strong financial positions, which provide a safety net that protects against uncertainties.

The bond issues which the City has outstanding are insured through the major municipal bond insurers using financial guarantees insurance policies. The purchase of insurance on the bonds is equivalent to a AAA rating.

a. Cash Management

The City has adopted a cash management policy that is conservative and emphasizes capital preservation. To ensure the safety of the City's funds, all investments are with depositories that are qualified under Florida laws. All monies except those held by the four pension funds are invested in either the state investment pool for local governments, in an account that complies with the City's strict formal investment policy or government securities. Cash and investments held by four pension funds are the responsibility of independent trustees.

b. Independent Audit

The City Charter requires an annual audit by independent certified public accountants. In addition to meeting the requirements set forth in the Charter and Government Auditing Standards, the audit must meet the stringent requirements of the Federal Single Audit Act in accordance with OMB Circular A-133 and the Florida Single Audit Act in accordance with Chapter 10.550, Rules of the Auditor general.

c. Awards

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to the City of Miramar for its comprehensive annual financial report.

Forecast Revenues and Expenditures

6.5.5.1 The projection of revenues for each of the funds listed in Table 6.3 and the summaries of revenues and expenditures are based on historical value assumptions. The summary of revenues projection is depicted on Table 6.4.

Table 6.4 City of Miramar Summary of Revenue Projections

Revenue Projections	FY10-11	FY11-12	FY12-13	FY13-14	FY14-15
General Fund					
General Government Taxes	$ 55,686,000	$ 54,926,974	$ 56,250,802	$ 59,668,865	$ 63,272,493
Licenses, Permits and Fees	12,697,600	13,318,676	13,713,005	14,119,134	14,537,416
Intergovernmental Revenues	10,095,900	10,519,305	10,860,105	11,252,982	11,661,401
Charges for Services	6,991,100	6,976,639	7,176,890	7,386,863	7,606,990
Fines and Forfeitures	587,000	592,870	598,799	604,787	610,835
All Other Revenues	46,115,800	23,816,098	29,854,579	30,057,813	30,484,629
Total General Fund	132,173,400	110,150,562	118,454,179	123,090,444	128,173,764
Grant Funds					
Total Federal Grant Funds	500,000	500,000	2,754,902	1,428,746	500,000
Park Development Fund					
Total Park Development Fund	300,500	180,000	180,000	170,000	170,000
Capital Projects Funds					
Total Capital Projects Funds	1,850,000	180,000	10,180,000	180,000	350,000
Utility Funds					
Total Utility Funds	32,587,300	32,587,300	32,577,300	32,500,000	32,300,000
TOTAL PROJECTED REVENUE	$ 167,411,200	$ 143,597,862	$ 164,146,381	$ 157,369,190	$ 161,493,764

Expenditure Projections for Scheduled Capital Improvements

6.5.5.1 The City is currently financing some capital improvements projects from previously CIP. These costs are subtracted from the summary of projected revenues to show that future revenues will be able to fund the new capital improvements as listed in Table 6.1. Table 6.5 indicates the expenditure projections for the new scheduled capital improvements.

Table 6.5 City of Miramar Summary of Expenditure Projections

Expenditure Projections	**FY10-11**	**FY11-12**	**FY12-13**	**FY13-14**	**FY14-15**

General Fund					
Total General Fund	$ 132,173,400	$ 110,150,562	$ 118,454,179	$ 123,090,444	$ 128,173,764
Federal Grant Fund					
Total Federal Grant Fund	500,000	500,000	2,754,902	1,428,746	500,000
Park Development Fund					
Total Park Development Fund	300,500	180,000	180,000	170,000	170,000
Capital Projects Funds					
Total Capital Projects Funds	1,850,000	180,000	10,180,000	180,000	350,000
Utility Funds					
Total Utility Funds	32,587,300	32,587,300	32,577,300	32,500,000	32,300,000
TOTAL PROJECTED EXPENDITURES	$ 167,411,200	$ 143,597,862	$ 164,146,381	$ 157,369,190	$ 161,493,764

Debt Service Obligations

6.5.5.2 The City utilizes a combination of debt, pay as you go, available resources (grants, excess reserves) to pay for essential capital expenditures. These non- recurring expenditures are of a magnitude which would have a tremendous impact if they were included in the operating budget. Debt financing distributes the costs of improvements to the project's users over its lifetime. The pay-as-you-go method of financing is employed for capital expenditures which are appropriately incorporated into the current budget.

The goal of the City's debt policy is to maintain the ability to provide quality municipal services in a cost-efficient manner. The City uses the following guidelines before incurring any additional long-term debt:

a. Borrowing is only considered for essential non-recurring capital expenditures.

b. The length of financing of the improvement will not exceed its useful life.

c. Efforts shall be made to maintain or improve the City's bond rating.

Table 6.6 City of Miramar Loan and Bond Payments

Source of Funds to Pay Debt Service	**FY10-11**	**FY11-12**	**FY12-13**	**FY13-14**	**FY14-15**
General Fund					
Special Assessments	126,842	126,842	126,842	-	-
Communication Service Tax	4,131,468	6,286,428	6,284,663	6,282,076	6,272,913

Franchise Fees - Electric	383,176	-	-	-	
Public Service Tax	449,311	451,537	447,874	448,521	448,471
FUND TOTAL	5,090,797	6,864,807	6,859,379	6,730,597	6,721,384
Utility Fund					
Special Assessment	-	-	-	-	-
Water/Sewer/Stormwater System Revenue	4,154,594	5,068,456	5,066,181	5,066,856	5,066,062
FUND TOTAL	4,154,594	5,068,456	5,066,181	5,066,856	5,066,062
TOTAL DEBT SERVICE FOR O/S ISSUES	$ 9,245,391	$ 11,933,263	$ 11,925,560	$ 11,797,453	$ 11,787,446

Ad Valorem Tax Base and Millage Rate

6.5.2 The imposition of property taxes is one of the three most significant source of cash, the other two being the sale of bonds and the setting of rates, that are available and controlled at the local level. State law allows the City to levy up to 10 mills of non- voted ad valorem tax. Table 6.7 depicts the tax base and millage rate projections.

Table 6.7 City of Miramar Tax Base and Mileage Rate Projections

	FY10-11	FY11-12	FY12-13	FY13-14	FY14-15
Taxable Value of Property	$ 6,764,613,634	$ 6,576,382,952	$ 6,726,382,952	$ 7,212,702,100	$ 7,723,337,205
Milage Rate	6.4654	6.4654	6.4654	6.4654	6.4654
Ad Valorem Tax Yield	$ 41,549,136	$ 40,392,999	$ 41,314,319	$ 44,301,354	$ 47,437,741

Projections of Other Tax Bases and Other Revenue Sources

6.5.5.5. The projections of other tax bases and other revenue sources such as impact and user fees are included in the overall revenue projections shown in Table 6.4.

a. Utility Taxes – Similar to other cities in Florida, the city of Miramar levies a 10 percent tax on electric, water, and natural gas usage.

b. Local Communications Service Tax – This is the combined revenues of what were formerly the Franchise fees for telephone, cable, and other telecommunications services. The taxes are now collected by the State and remitted to the City on a monthly basis. Local Business (Occupational License) Tax – The local business tax replaced occupational licenses per State law. This revenue source is derived from businesses that operate throughout the city and is based on a schedule depending on the type of business.

c. Ninth Cent Fuel Tax – Revenues received in this category are distributed to municipalities from the local option gas tax trust fund administered by the State.

d. ½ Cent Sales Tax – This revenue source is represented by one half of the revenue generated by the additional 1 percent sales tax which is distributed to counties and cities based on a population formula.

e. State to Municipal Revenue Sharing – Revenues received in this category represent almost 75% of total State Revenue Sharing Funds and are remitted to the City based on a formula which incorporates population size.

f. Impact Fees –The City collects Fire, Police, Parks, recreation, water, and sewer impact fees. The fees that are collected are deposited directly into specific funds that are designed to account for the construction of new facilities commensurate with new construction.

g. Stormwater Utility Fee – These represent fees collected from monthly billings to residents and commercial entities. These funds are restricted for use on stormwater related projects.

h. Franchise Fees – The franchise fees for electric and natural gas are derived from a 6 percent charge on each customer's bill. The solid waste franchise fees are derived from a 13 percent charge on each customer's bill.

Projection of Debt Capacity

6.5.5.1 The projection of debt capacity for fiscal years 2010 to 2014 is shown in Table 6.8 below.

Table 6.8 City of Miramar Fiscal Assessment

Fund	**FY10-11**	**FY11-12**	**FY12-13**	**FY13-14**	**FY14-15**
General Fund					
Revenues	$ 132,173,400	$ 110,150,562	$ 118,454,179	$ 123,090,444	$ 128,173,764
- Non-Capital Expenses	124,403,700	102,987,901	108,898,117	113,528,088	118,603,016
- Debt Payments	7,589,700	7,010,411	6,896,200	6,894,500	6,894,500
- Operating Cost Increase	-	-	-	-	-
- Capital Improvements	180,000	152,250	2,659,863	2,667,856	2,676,248
Balance	$ -	$ -	$ -	$ -	$ -
Grant Funds					
Revenues	$ 500,000	$ 500,000	$ 2,754,902	$ 1,428,746	$ 500,000
- Capital Improvements	500,000	500,000	2,754,902	1,428,746	500,000
Balance	$ -	$ -	$ -	$ -	$ -
Park Development Fund					
Revenues	$ 300,500	$ 180,000	$ 180,000	$ 170,000	$ 170,000
- Capital Improvements	300,500	180,000	180,000	170,000	170,000
Balance	$ -	$ -	$ -	$ -	$ -

Capital Projects Funds					
Revenues	$ 1,850,000	$ 180,000	$ 10,180,000	$ 180,000	$ 350,000
- Capital Improvements	1,850,000	180,000	10,180,000	180,000	350,000
Balance	$ -	$ -	$ -	$ -	$ -
Utility Fund					
Revenues	$ 36,171,436	$ 37,892,443	$ 39,576,087	$ 39,576,087	$ 39,576,087
- Non-Capital Expenses	30,169,440	31,677,912	33,261,808	33,261,808	33,261,808
- Debt Payments	3,997,224	4,197,085	4,406,939	4,406,939	4,406,939
- Operating Cost Increase	1,508,472	1,583,896	1,663,090	1,663,090	1,663,090
- Capital Improvements	496,300	433,550	244,250	244,250	244,250
Balance	$ -	$ 0	$ -	$ -	$ -
Utility Construction Revenue Bond Fund					
Revenues	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000
- Capital Improvements	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000
Balance	$ -	$ -	$ -	$ -	$ -
CIAC Fund					
Revenues	$ 425,000	$ 310,000	$ 60,000	$ 60,000	$ 60,000
- Capital Improvements	$ 425,000	$ 310,000	$ 60,000	$ 60,000	$ 60,000
Balance	$ -	$ -	$ -	$ -	$ -
	$ 37,596,436	$ 39,202,443	$ 40,636,087	$ 40,636,087	

6558 The cash balances, as shown in Table 6.8 shows the ability of the City to incur more debt before capital improvements costs are added to meet LOS standards. Capital improvement costs by facility type are summarized in Table 6.9 below.

Table 6.9 City of Miramar Needed Capital Improvements

Category	FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	Total

Park Facilities	$ 250,000	$ -	$ 225,000	$ 2,847,000	$ 6,069,300	$ 9,391,300
Infrastructure	$ 4,162,100	$ 966,000	$ 3,711,302	$ 1,108,746	$ 1,130,000	$ 11,078,148
Public Buildings	$ 35,000	$ -	$ 23,149,900	$ 4,450,000	$ -	$ 27,634,900
Capital Equip.	$ -	$ 46,800	$ 46,800	$ 46,800	$ 46,800	$ 187,200
Funding by Year	**$ 4,447,100**	**$ 1,012,800**	**$ 27,133,002**	**$ 8,452,546**	**$ 7,246,100**	
					Total:	**$ 48,291,548**

Projected Operating Cost Increase Consideration

6559 The capital improvements listed in Table 6.9 will increase the City's total operating costs. In order to operate and maintain these new facilities, the City must project future operating costs as capital improvements are completed. These cumulative expenditures are carried forward as additional costs to the City's operating budget.

Fiscal Assessment

6550 To conduct a fiscal assessment, general government expenses, combined with required expenditures from the currently funded capital projects and debt service on existing capital projects were added together and then subtracted from the projected fund revenues as shown in Table 6.8.

Monitoring and Evaluation

Concurrency Management System Miramar has an established Concurrency Management System (CMS) that ensures public facilities are available to serve development at the time that the impacts of development occur on such public facilities. The CMS provides for the following capital facility management and monitoring program components:

* Annual Concurrency Management Report (CMR) which describes the existing condition of all public facilities; summarizes available capacity based on adopted LOS standards; and forecasts capacity availability over the subsequent five-year period.

* Quarterly Facility Reports to assist in the CMR preparation and provide timely, updated information.

* Annual Determination of Public Facility Adequacy based on the CMR.

* Recommended CIE and Capital Budget Amendments from Mayor to Commission.

The CMS also establishes development review procedures which are included in the City's Land Development Code to ensure that no development orders are issued unless adequate public facilities are available to serve proposed developments, or to ensure that development orders are conditioned upon the availability of public facilities to serve the development concurrent with the impacts of development on such public facilities. Petitioners must supply public facility impact information when applying for development approvals. Community Development and other City staff then verifies and reviews project information, comparing it with public facility capacity data and anticipated committed development impacts to ensure that adopted level of service (LOS) standards will be maintained if the petition is approved. If LOS will not be maintained, the petition is denied unless the applicant commits to construct the public facility improvements necessary to maintain LOS. The public facility level of service standards contained in the adopted Miramar Comprehensive Plan, as amended, are codified.

Evaluation and Appraisal Process: The City of Miramar evaluates and appraises this Comprehensive Plan every five years beginning with the original Plan adoption in 1990 under the 1985 State Growth Management Act. This process begins eighteen months prior to the fifth year anniversary of the prior Plan adoption date. The components of this comprehensive process are the updating of socio-economic and development data which is evaluated to determine if projections were accurate and what trends have developed over the past five years. The Goals, Objectives and Policies of the adopted Plan are then examined for updating, compliance with current law and introduction of new initiatives for the next planning period.

Public participation is built into the entire process which results in a final Evaluation and Appraisal report (EAR) which is reviewed and adopted by the Local Planning Agency and City Commission, and transmitted to the Florida Department of Community Affairs (FDCA) for review. Once the final EAR is approved by all agencies, EAR-based Plan amendments are initiated.

Goal II
Ensure adequate funding for infrastructure and capacity exist concurrent with development or redevelopment.

Objective 2.1 Infrastructure Concurrency management
Maintain principles for constructing, extending or increasing capacity of public facilities, and principles for correcting existing deficiencies.

Evaluation Measure 2.1 Concurrency Management System
Miramar will continue to manage and improve its Concurrency Management System, ensuring that public facility needs necessary to maintain adopted Levels of Service identified within other Plan Elements are not exceeded and thus do not create improvement needs beyond the City's financial capacity. It includes guidelines for interpreting and applying LOS standards to applications for development orders (DOs) and development permits (DPs) and determining when the test for concurrency must be met, including the latest point in the application process for the determination of concurrency prior to the approval of an application. The Concurrency Management System provides a program that ensures D.O.'s and D.P.'s are issued in a manner that will not result in a reduction in the LOS below the adopted LOS standard for the affected facility.

Policy 2.1.1 The City hereby adopts the following level of service standards to determine the impacts of new development and redevelopment upon public facility provision:

Level of Service (LOS) Standards	
Parks & Recreational Facilities	4 acres per 1000 population
Sanitary Sewer	300 gallons per day per Equivalent Residential Connection (ERC)
Stormwater Discharge	Water quality standards in accordance with Chapter 62-330 F.A.C.
Potable Water	325 gallons per day per Equivalent Residential Connection (ERC)
Stormwater	
Land Use	Level of Service
Residential	8.9 lbs. per unit per day
Factory & Warehouse	2 lbs. per 100 sq. ft. per day
Office Building	1 lbs. per 100 sq. ft. per day
Department Store	4 lbs. per 100 sq. ft. per day
Supermarket	9 lbs. per 100 sq. ft. per day
Restaurant	2 lbs. per meal per day
Drug Store	5 lbs. per 100 sq. ft. per day
Grade School	10 lbs. per room & ¼ lbs. per pupil per day
High School	8 lbs. per room & ¼ lbs. per pupil per day
Hospital	8 lbs. per bed per day
Nurse or Intern Home for Aged	3 lbs. per person per day
Rest Home	3 lbs. per person per day
Drainage	
Roadways of less than eighty (80) feet width	Have crown elevations at or above the elevation for the respective area depicted on the ten year "Flood Criteria Map."
Roadways of eighty (80) feet or greater width	Have an outside edge of through lane pavement at or above the elevation for the respective area depicted on the ten year "Flood Criteria Map."
Buildings	Lowest floor elevation no lower than one (1) foot above base flood or eighteen (18) inches above the highest point of the adjacent road crown elevations, whichever is greater.
Off-site Discharge	Not to exceed the inflow limit of SFWMD primary receiving canal or the local conveyance system, whichever is less.

Storm sewers	Design frequency minimum to be three-year rainfall intensity of the Broward County Water Management Division rainfall intensity/duration curves.
Floodplain Routing	Calculated flood elevations based on the ten year and one hundred year return frequency rainfall of three-day duration shall not exceed the corresponding elevations of the ten year "Flood Criteria Map" and the "100 Year Flood Elevation Map," as published by Broward County.
Antecedent Water Level	The higher elevation of either the control elevation or the elevation depicted on the map "average wet season water levels," as published by Broward County.
On-site Storage	Minimum capacity above antecedent water level and below flood plain routing elevations to be design rainfall volume minus off site discharge occurring during design rainfall.
Best Management Practices	Prior to discharge to surface or ground water, BMP's will be used to reduce pollutant discharge.

Objective 2.2 Coordination with School Board for School Capacities

Policy 2.2.1 The City shall advise Broward as needed in regard to school needs generated by City's growth. Broward County, in collaboration with the School Board of Broward County and the municipalities shall ensure that public school facilities are available for current and future students consistent with available financial resource and the adopted LOS.

Policy 2.2.1a Consistent with policies and procedures within the Interlocal Agreement for Public School Facilities planning the Five-Year District Educational Facilities Plan (DEFP) shall contain a five year financially feasible schedule of capital improvements to address existing deficiencies and achieve and maintain the adopted LOS in all concurrency service areas. The financially feasible schedule shall be adopted on an annual basis and annually adopted into the CIE.

Evaluation Measure 2.2.1 The LOS for School Type A shall be 100% gross capacity including relocatable. The LOS for School Type B shall be 110% permanent Florida Inventory of School (FISH) capacity.

Policy 2.2.2 The LOS shall be adopted and incorporated in the PSFE of Broward County and the City's Comprehensive Plan.

Policy 2.2.3 The City shall automatically amend its CIE to reflect any amendment, correction or medication to the Broward County School Board's adopted Five-Year DEFP concerning costs, revenue sources, or acceptance of facilities pursuant to dedications or proportionate share mitigation, one adopted by the School Board.

EXHIBIT A

OVERVIEW OF RECOMMENDED CAPITAL PROJECTS

The Capital Improvement Program (CIP) five year plan expenditure projection for FY 2026 - FY 2030 is $332,762,401. This includes 91 projects of which 56 will impact the FY 2026 Annual Budget.

The CIP program is categorized by the following four functional types and projects that will be considered for funding in future funding years:

- Park Facilities
- Infrastructure Redevelopments and Improvements
- Public Buildings
- Capital Equipment, Vehicles and Software

FY 2026 - FY 2030 estimated cost for each type is as follows:

Park Facilities: The total five year estimated cost for this type is $4,957,663. This cost is for 12 projects of which 7 are budgeted in FY 2026 for $1,007,663.

Infrastructure Redevelopment and Improvements: The total five year estimated cost for this type is $242,772,691 This cost is for 38 projects of which 30 are budgeted in FY 2026 for $73,049,458.

Public Buildings: The total five year estimated cost for this type is $43,901,607. This cost is for 14 projects of which 12 are budgeted in FY 2026 for $10,794,807.

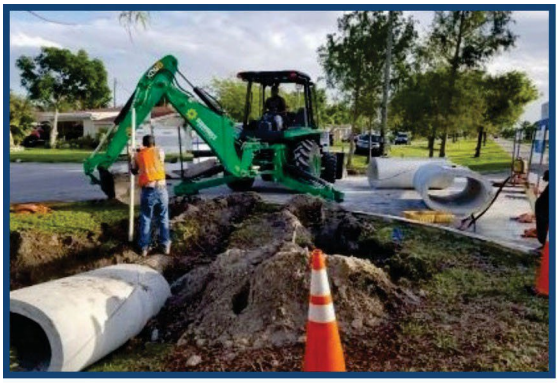
Capital Equipment, Vehicles and Software: The total five year estimated cost for this type is $6,508,291.This cost is for 9 projects of which 7 budgeted in FY 2026 for $2,230,400.

Future: There are 18 projects with an estimated cost of $34,622,149 that will not impact the budget. These projects will be considered for funding in future funding years.

The proposed funding plan involves a commitment to annual appropriations established in the FY26 annual budget and long-term financing for these projects. The total capital expenditure that will impact FY26 budget is $87,082,328. FY26 allocations by funding source and by department are as follows:

Fund/Source	**Amount**
Fire & EMS CIP Fund (381)	$ 3,515
Street Construction & Maintenance Fund (385)	284,000
Park Development Fund (387)	595,447
2013 CIP Revenue Bond Fund (388)	100,500
2017 CIP Loan Fund (389)	124,600
2020 CIP Loan - Taxable Fund (392)	358,000
Capital Grants Fund (393)	12,635,656
2022 CIP Loan Fund (394)	10,927
Capital Projects Fund (395)	7,619,283
Utility Fund (410)	42,835,400
Stormwater Management Fund (415)	21,475,000
Fleet Maintenance Fund (503)	765,000
Information Technology Fund (504)	275,000
Total	**$ 87,082,328**

Department	Amount
Building, Planning & Zoning	$ 1,292,000
Cultural Affairs	190,000
Engineering	14,739,656
Financial Services	150,000
Fire Rescue	3,515
Human Resources	42,900
Information Technology	518,138
Parks & Recreation	652,663
Public Works	24,605,491
Support Services	2,052,565
Utilities	42,835,400
Total	**$ 87,082,328**



Citywide Embankment Stabilization and Stormwater Management



Landscape and Beautification



Historic Miramar Canal Improvements



Street Construction and Resurfacing

FY 2026 - FY 2030 allocations by funding source and by department are as follows:

Fund/Source	Amount
Fire & EMS CIP Fund (381)	$ 3,515
Street Construction & Maintenance Fund (385)	284,000
Park Development Fund (387)	8,495,447
2013 CIP Revenue Bond Fund (388)	100,500
2017 CIP Loan Fund (389)	124,600
2020 CIP Loan - Taxable Fund (392)	358,000
Capital Grants Fund (393)	79,063,580
2022 CIP Loan Fund (394)	10,927
Capital Projects Fund (395)	23,619,283
Utility Fund (410)	163,565,400
Stormwater Management Fund (415)	21,475,000
Fleet Maintenance Fund (503)	765,000
Information Technology Fund (504)	275,000
To Be Determined	34,622,149
Total	**$ 332,762,401**

Department	Amount
Building, Planning & Zoning	$ 1,842,000
Cultural Affairs	855,029
Engineering	54,641,593
Financial Services	150,000
Fire Rescue	14,893,515
Human Resources	42,900
Information Technology	5,141,845
Parks & Recreation	19,652,663
Public Works	50,547,391
Social Services	3,725,000
Support Services	17,705,065
Utilities	163,565,400
Total	**$ 332,762,401**

Section I: List of 5 Year Capital Projects that will have a fiscal impact on the FY26 budget

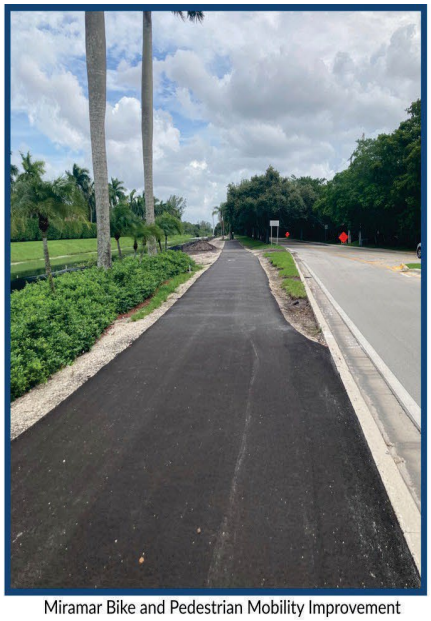
Project Number	Project Title	Funding Department	FY 2026 Budget	FY 2027-FY 2030	5-Year Total Cost
	Park Facilities				
51007	Monarch Lakes Park	Public Works	$ 75,000	$ –	$ 75,000
51018	Amphitheater at Miramar Regional Park - Concessions and Walkways	Support Services	50,000	180,000	230,000
51024	City of Miramar 911 Remembrance Monument	Support Services	230,000	–	230,000
51038	City Parks Wi-Fi Infrastructure	Information Technology	–	940,000	940,000
51039	Pickleball Court Addition	Parks & Recreation	–	300,000	300,000
51040	Miramar Regional Park Aquatics Complex Renovations	Parks & Recreation	–	160,000	160,000
51041	Pavilion Electric Upgrade	Parks & Recreation	100,000	100,000	200,000
51043	Park Restroom Addition	Parks & Recreation	–	575,000	575,000
51044	Amphitheater Noise Reduction	Support Services	–	295,000	295,000
51046	Forcina Park Drainage	Parks & Recreation	150,000	–	150,000
51047	Lakeshore Park Beautification	Parks & Recreation	245,000	–	245,000
51048	Park Improvements - Various	Parks & Recreation	157,663	1,400,000	1,557,663
	Total Park Facilities Projects		**$ 1,007,663**	**$ 3,950,000**	**$ 4,957,663**

Project Number	Project Title	Funding Department	FY 2026 Budget	FY 2027-FY 2030	5-Year Total Cost
	Infrastructure Redevelopment & Improvements				
52021	Canal Embankment Restoration	Public Works	$ –	$ 1,800,000	$ 1,800,000
52022	Street Construction and Resurfacing - Various Locations	Public Works	–	13,800,000	13,800,000
52024	Bass Creek Road from SW 148 Avenue to approx. 3,270 Feet East	Engineering	–	5,129,520	5,129,520
52036	Roadway Landscaping and Beautification	Public Works	475,491	316,000	791,491
52038	West WTP Laboratory & Office Space Modification	Utilities	150,000	–	150,000
52047	Reclaimed Water System Expansion/Piping I-75 Crossing & T&D Improvements	Utilities	500,000	2,000,000	2,500,000
52060	Air Conditioning Systems Replacement Program	Public Works	460,000	2,113,500	2,573,500
52061	Pembroke Road from SW 160 Avenue to US 27/ Miramar Parkway Extension	Engineering	11,000,000	21,000,000	32,000,000
52063	Repair/Replacement of Existing Sidewalks	Public Works	–	1,800,000	1,800,000
52069	LED Streetlight Installation and Upgrade	Public Works	150,000	600,000	750,000
52074	ADA Evaluation and Corrective Action	Engineering	–	800,000	800,000
52076	Country Club Ranches Water Main Improvements	Utilities	500,000	8,000,000	8,500,000
52078	SCADA Cybersecurity Improvement	Utilities	500,000	2,000,000	2,500,000
52085	Sustainable Renewable Energy and Conservation Initiatives	Utilities	500,000	1,000,000	1,500,000
52092	West Water Treatment Plant Capacity Improvements and Upgrades	Utilities	15,000,000	16,000,000	31,000,000
52093	Wastewater Reclamation Facility (WWRF) Capacity Improvements & Re-Rating	Utilities	5,000,000	10,250,000	15,250,000
52103	Wastewater Collection System Improvements	Utilities	2,000,000	8,000,000	10,000,000
52104	Water Distribution System Improvements	Utilities	3,000,000	14,000,000	17,000,000
52105	Lift Station Improvements Annual Maintenance Program	Utilities	2,000,000	8,000,000	10,000,000
52111	Installation of Underground Electrical Infrastructure	Public Works	110,000	236,900	346,900

Project Number	Project Title	Funding Department	FY 2026 Budget	FY 2027-FY 2030	5-Year Total Cost
52112	Historic Miramar Drainage Improvements - Phase V	Public Works	21,400,000	–	21,400,000
52113	Historic Miramar Complete Streets - Phase IV	Engineering	1,425,834	–	1,425,834
52115	Town Center Colonnade	Support Services	–	540,000	540,000
52116	Sherman Circle from Jodi Lane to Jodi Lane	Engineering	–	2,259,405	2,259,405
52117	East Water Treatment Plant (EWTP) Improvements	Utilities	500,000	1,200,000	1,700,000
52118	Wastewater Reclamation Facility (WWRF) Digester System Improvements	Utilities	–	34,000,000	34,000,000
52119	Installation of Electric Vehicle Charging Stations	Public Works	365,000	783,700	1,148,700
52120	Light Boxes & Marquee	Cultural Affairs	50,000	–	50,000
52121	Honey Hill Drive from Flamingo Road to SW 55th Street	Engineering	309,822	710,892	1,020,714
52122	Countyline Road Rehabilitation in Country Club Ranches	Engineering	125,000	450,000	575,000
52123	CCTV Repair and Improvements	Information Technology	233,600	–	233,600
52124	RPK AMP Network Extension and CCTV Camera Installation	Information Technology	114,538	435,816	550,354
52125	Public Informational Signs	Support Services	190,173	297,500	487,673
52126	Canopy Over Dispensers at Wastewater Reclamation Facility (WWRF) Fuel Depot	Public Works	300,000	700,000	1,000,000
52127	Woodscape Infrastructure Improvements	Utilities	550,000	8,000,000	8,550,000
52128	Historic Miramar Infrastructure Improvement (HMII) Phase V Water Main Improvements	Utilities	4,000,000	1,000,000	5,000,000
52129	Meter Repair & Replacement	Utilities	2,000,000	2,500,000	4,500,000
52130	Miramar Cultural Center (MCC) Yard Fencing	Cultural Affairs	140,000	–	140,000
	Total Infrastructure Redevelopment & Improvements Projects		**$ 73,049,458**	**$ 169,723,233**	**$ 242,772,691**

Project Number	Project Title	Funding Department	FY 2026 Budget	FY 2027-FY 2030	5-Year Total Cost
	Public Buildings				
53019	Renovation and Addition of Fire Station 84 and Fire Rescue FOC	Fire Rescue	$ 3,515	$ 9,700,000	$ 9,703,515
53021	Replace Bay Doors and Install Transfer Switch at Fire Station 70	Fire Rescue	–	955,000	955,000
53025	Historic Miramar Innovation and Technology Village	Engineering	1,879,000	5,500,000	7,379,000
53027	New Community Youth Center	Support Services	–	4,400,000	4,400,000
53029	Town Center Complex Enhancements	Public Works	315,000	1,198,800	1,513,800
53030	HR Department Office Renovations	Human Resources	42,900	–	42,900
53031	West Water Treatment Plant (WWTP) Main Control and Administration Building Renovation	Utilities	1,850,000	–	1,850,000
53032	Wastewater Reclamation Facility (WWRF) Bldg A Office Renovation	Utilities	250,000	3,300,000	3,550,000
53034	BPZ Office Improvements	Building, Planning & Zoning	1,067,000	–	1,067,000
53035	Building Renovations and Enhancements	Public Works	855,000	1,543,000	2,398,000
53037	Wastewater Reclamation Facility (WWRF) Bldg L 1st Floor Renovation	Utilities	2,850,000	1,000,000	3,850,000
53038	City Commission Chambers Renovation	Support Services	380,000	545,000	925,000

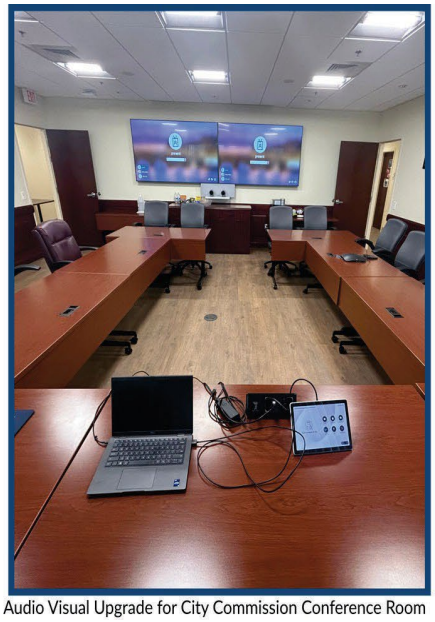
Project Number	Project Title	Funding Department	FY 2026 Budget	FY 2027-FY 2030	5-Year Total Cost
53039	Fleet Maintenance Facility Renovation	Public Works	100,000	1,050,000	1,150,000
53040	Facilities Capital Improvement	Support Services	1,202,392	3,915,000	5,117,392
	Total Public Buildings Projects		**$ 10,794,807**	**$ 33,106,800**	**$ 43,901,607**
	Capital Equipment, Vehicles and Software				
54015	Standby Generators for Lift Station	Utilities	$ 800,000	$ –	$ 800,000
54017	Smart City Surveillance System & Real-Time Crime Center	Information Technology	–	3,092,891	3,092,891
54018	EnerGov Implementation	Information Technology	–	155,000	155,000
54020	Lucity Upgrade and Mobile Devices	Utilities	120,000	480,000	600,000
54023	Audio Visual Upgrades for City Facilities	Information Technology	170,000	–	170,000
54027	BPZ Technology Operating Systems	Building, Planning & Zoning	225,000	550,000	775,000
54028	Wastewater Reclamation Facility (WWRF) Elevator Replacement	Utilities	100,000	–	100,000
54029	Financial Services Office & Conference Room Improvements	Financial Services	150,000	–	150,000
54030	Vactor Truck	Utilities	665,400	–	665,400
	Total Capital Equipment Projects		**$ 2,230,400**	**$ 4,277,891**	**$ 6,508,291**
	Total FY 2026 - FY 2030 CIP 5 Year Projects		**$ 87,082,328**	**$ 211,057,924**	**$ 298,140,252**



Miramar Bike and Pedestrian Mobility Improvement



H.D. Perry Park Playground Shade Cover Addition



Audio Visual Upgrade for City Commission Conference Room

Section II: Requested changes to Capital Projects that will have no fiscal impact on the FY26 budget
Funds will be transferred between the following CIP projects:

Project Number	Project Title	Funding Department	FY 2026 Budget	FY 2027-FY 2030	5-Year Total Cost
51038	City Parks Wi-Fi Infrastructure	Information Technology	$ (233,600)	$ –	$ (233,600)
52123	CCTV Repair and Improvements	Information Technology	233,600	–	233,600
52009	Public Informational Signs	Support Services	(190,173)	–	(190,173)
52125	Public Informational Signs	Support Services	190,173	–	190,173
51044	Amphitheater Noise Reduction	Support Services	(130,000)	–	(130,000)
51024	City of Miramar 911 Remembrance Monument	Support Services	130,000	–	130,000
51038	City Parks Wi-Fi Infrastructure	Information Technology	(106,847)	–	(106,847)
53012	Fire Station 107	Fire Rescue	(6,391)	–	(6,391)
53001	Police Headquarters Facility	Support Services	(1,300)	–	(1,300)
52124	RPK AMP Network Extension and CCTV Camera Installation	Information Technology	114,538	–	114,538
51023	Ansin Sports Complex - Phase IV	Engineering	(50,000)	–	(50,000)
51041	Pavilion Electric Upgrade	Parks & Recreation	50,000	–	50,000
51044	Amphitheater Noise Reduction	Support Services	(50,000)	–	(50,000)
51018	Amphitheater at Miramar Regional Park - Concessions and Walkways	Support Services	50,000	–	50,000
54026	Valve Exercise Truck	Utilities	(15,400)	–	(15,400)
54030	Vactor Truck	Utilities	15,400	–	15,400
52110	Buffer Wall along University Drive adjacent to University Park Plat	Engineering	(12,491)	–	(12,491)
53035	Building Renovations and Enhancements	Public Works	12,491	–	12,491
51034	Huntington Park South Redevelopment	Parks & Recreation	(4,999)	–	(4,999)
51048	Park Improvements - Various	Parks & Recreation	4,999	–	4,999
53012	Fire Station 107	Fire Rescue	(3,515)	–	(3,515)
53019	Renovation and Addition of Fire Station 84 and Fire Rescue FOC	Fire Rescue	3,515	–	3,515
51003	Park Improvements - Various	Parks & Recreation	(2,664)	–	(2,664)
51048	Park Improvements - Various	Parks & Recreation	2,664	–	2,664
53016	Facilities Capital Improvement	Support Services	(2,392)	–	(2,392)
53040	Facilities Capital Improvement	Support Services	2,392	–	2,392

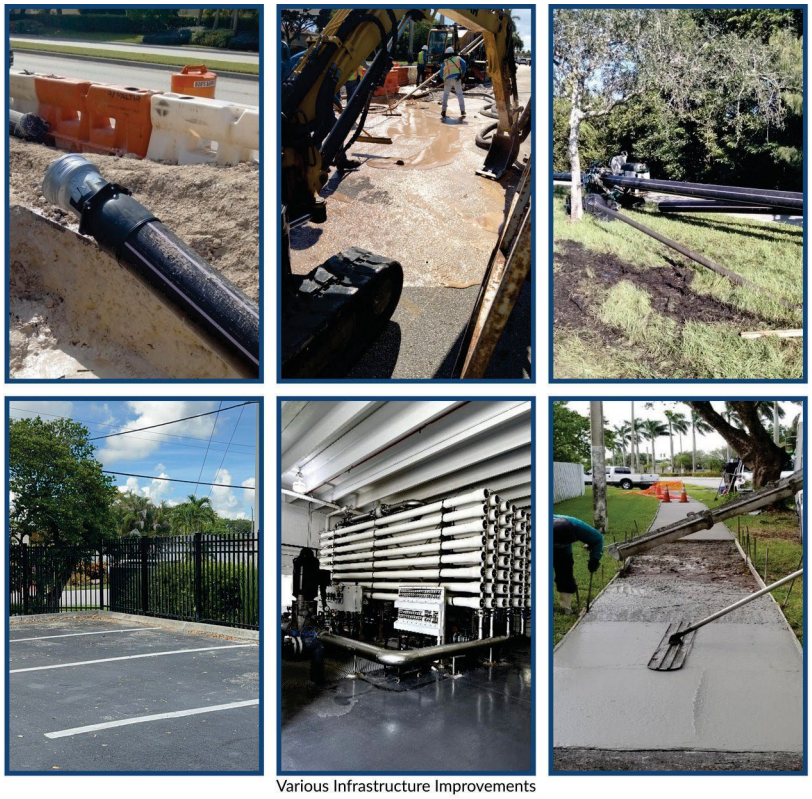


Huntington Park South Basketball Court Resurfacing and Fitness Stations

Section III: Projects to be programmed once funding source is identified:

Project Number	Project Title	Funding Department	FY 2026 Budget	FY 2027- FY 2030	5-Year Total Cost
Future	Miramar Cultural Center Banquet Hall Renovations	Cultural Affairs	$ –	$ 665,029	$ 665,029
Future	Honey Hill Road Widening from Red Road to Flamingo Road	Engineering	–	525,000	525,000
Future	SW 148th Avenue Widening from Miramar Parkway to Bass Creek Road	Engineering	–	2,000,000	2,000,000
Future	SW 184th Avenue Widening from Miramar Parkway to Pembroke Road	Engineering	–	1,527,120	1,527,120
Future	Air and Light Special Operations Vehicle (SOV)	Fire Rescue	–	1,800,000	1,800,000
Future	Fire Station 107 Expansion	Fire Rescue	–	2,435,000	2,435,000
Future	Ansin Sports Complex Improvements	Parks & Recreation	–	7,875,000	7,875,000
Future	Fairway Parks Improvements	Parks & Recreation	–	290,000	290,000
Future	Field Lighting Upgrades	Parks & Recreation	–	1,200,000	1,200,000
Future	Miramar Aquatic Complex Building Expansion	Parks & Recreation	–	2,250,000	2,250,000
Future	Miramar Athletic Park Nature Preserve Development	Parks & Recreation	–	225,000	225,000
Future	Miramar Regional Park Artificial Turf	Parks & Recreation	–	3,000,000	3,000,000
Future	Parks Maintenance Storage Unit	Parks & Recreation	–	250,000	250,000
Future	Regional Park Playground Replacement	Parks & Recreation	–	700,000	700,000
Future	Special Event Stage Addition	Parks & Recreation	–	250,000	250,000
Future	Sunset Lakes Community Center Improvements	Parks & Recreation	–	425,000	425,000
Future	Adult Day Care Center Expansion	Social Services	–	3,725,000	3,725,000
Future	Miramar Regional Overflow Parking Improvements	Support Services	–	5,480,000	5,480,000
	Total To Be Programmed CIP Projects		**$ –**	**$ 34,622,149**	**$ 34,622,149**

Note: Project numbers are only assigned to existing and funded projects.



Various Infrastructure Improvements

Section IV: Outlines the impact on the FY26 Operating Budget as a result of the CIP project:

Project Number	Description	FY 2026 Cost	Funding Source	Impact on FY 2026 Operating Budget
	Park Facilities			No Impact
51007	**Monarch Lakes Park**	$ 75,000	Stormwater Management Fund (415)	
	Modification to existing stormwater drains and connections.			
51018	**Amphitheater at Miramar Regional Park - Concessions and Walkways**	50,000	Park Development Fund (387)	No Impact
	Amphitheater at Miramar Regional Park - Concessions and Walkways. (8) permanent Concession Containers; (2) permanent Restroom Containers; (1) Lounge Container; (2) Freezer and Refrigeration Containers will be provided to serve the patrons. Walkway Cover at the sidewalks leading to restrooms and concessions.			
51024	**City of Miramar 911 Remembrance Monument**	230,000	Park Development Fund (387); Capital Projects Fund (395)	No Impact
	Two structural steel I-beams salvaged from the wreckage of the Twin Towers. The design features a concrete promenade overlooking the existing park lake, complemented by landscaping, decorative railings, and commemorative signage.			
51041	**Pavilion Electric Upgrade** Provide park pavilions with electricity and lighting.	100,000	Park Development Fund (387)	No Impact
51046	**Forcina Park Drainage**	150,000	Capital Projects Fund (395)	No Impact
	Design, permitting, and construction of an enhanced drainage system at Forcina Park.			
51047	**Lakeshore Park Beautification**	245,000	Park Development Fund (387); Capital Projects Fund (395)	No Impact
	Replace the existing deteriorated fence with a new fence and add a digital park sign at the park's entrance.			
51048	**Park Improvements - Various**	157,663	Park Development Fund (387); 2022 CIP Loan Fund (394); Capital Projects Fund (395)	No Impact
	Install walking path lighting, add a shade structure over the swings at Shirley Branca Park, install a new shower and water fountain at Forzano Park, and converting a playground at Sunset Lakes			
	Total Park Facilities	**$ 1,007,663**		
	Infrastructure Redevelopment & Improvements			
52036	**Roadway Landscaping and Beautification**	475,491	Street Construction & Maintenance Fund Balance (385); Capital Projects Fund (395)	No Impact
	Landscaping and beautification enhancements along SW 172 Avenue (Mir Pkwy to Pembroke Rd), Miramar Parkway(Dykes/184 Ave) Island Drive (Mir Pkwy to Harbor Dr) and Douglas Road (Mir Pkwy to Harbor Dr). Planned improvements include of Type D curbs and gutters.			
52038	**West WTP Laboratory & Office Space Modification**	150,000	Utility Fund (410)	No Impact
	Replace obsolete laboratory instrumentation at the West Water Treatment Plant (WWTP).			
52047	**Reclaimed Water System Expansion/Piping I-75 Crossing & T&D Improvements**	500,000	Utility Fund (410)	No Impact
	Extend reclaimed water service to the area bounded by Pembroke Road to the north, SW 184th Avenue to the west, Miramar Parkway to the south, and SW 160th Avenue to the east.			
52060	**Air Conditioning Systems Replacement Program**	460,000	Capital Projects Fund (395)	No Impact
	HVAC system upgrades for: 1) Police Department Headquarters: Factory renewal of Chiller Plants #1 and #2, including tube scanning; 2) Miramar Town Center (MTC): Factory renewal of Chiller Plants #2 and #3, including tube scanning; 3) MTC HVAC Systems: retrofit or replacement of variable air volume (VAV) boxes and associated heaters, and 4) MTC building controls upgrades to intelligent control systems at both MTC and PDHQ.			
52061	**Pembroke Road from SW 160 Avenue to US 27/Miramar Parkway Extension**	11,000,000	Capital Grants Fund (393)	No Impact
	Widening Pembroke Road from two to four lanes from SW 160 Avenue (Dykes Road) to SW 196 Avenue (Segment A), extending Pembroke Road by constructing a new 2-lane roadway from SW 196 Avenue to US 27 (Segment B), and extending Miramar Parkway by constructing a new 2-lane roadway from SW 192nd Terr to Pembroke Road (Segment C). Roadways will have medians, landscaping, irrigation, sidewalks, shared use path, and buffer walls along residential areas.			
52069	**LED Streetlight Installation and Upgrade**	150,000	Capital Projects Fund (395)	No Impact
	Installation of additional new low emission LED streetlights			
52076	**Country Club Ranches Water Main Improvements**	500,000	Utility Fund (410)	No Impact
	Install potable water distribution mains, service lines, fire hydrants, valves, fittings, and related appurtenances along the public right-of-way in the Country Club Ranches area.			

Project Number	Description	FY 2026 Cost	Funding Source	Impact on FY 2026 Operating Budget
52078	**SCADA Cybersecurity Improvement**	500,000	Utility Fund (410)	No Impact
	Enhance the cybersecurity of the City's Supervisory Control and Data Acquisition (SCADA) systems by upgrading outdated equipment, software, and network components, and implementing updated IT security measures.			
52085	**Sustainable Renewable Energy and Conservation Initiatives**	500,000	Utility Fund (410)	No Impact
	(1) Evaluate the economic feasibility of various proposed solar photovoltaic (PV) scenarios to support the City's goals of reducing its carbon footprint, lowering energy costs, and enhancing energy resilience.			
	(2) Conduct comprehensive energy audits and develop a master energy plan for the City's three treatment plants and associated facilities.			
52092	**West Water Treatment Plant Capacity Improvements and Upgrades**	15,000,000	Utility Fund (410)	No Impact
	Expands water treatment capacity and enhance system performance through five components, including a 2.5 Million Gallons per Day (MGD) Reverse Osmosis skid, new Floridan wells, raw water transmission, a lift station and force main system, and various upgrades.			
52093	**Wastewater Reclamation Facility (WWRF) Capacity Improvements & Re-Rating**	5,000,000	Utility Fund (410)	No Impact
	Comprehensive evaluation of the wastewater treatment plant's current capacity and processes to identify future expansion needs based on regulatory requirements and historical performance data. It also involves phased equipment replacement and upgrades to key systems such as aeration, clarification, solids processing, odor control, reuse water treatment, and deep injection wells. Tasks include aeration basin concrete restoration, installation of influent gates, blower Variable Frequency Drive (VFD) conversion, replacement of Generator No. 3, and digester elevator replacement.			
52103	**Wastewater Collection System Improvements**	2,000,000	Utility Fund (410)	No Impact
	This ongoing sewer rehabilitation program reduces infiltration and inflow by inspecting, repairing, and rehabilitating priority sewer system components identified through Closed-Circuit Television (CCTV) evaluations. Work includes lining, structural repairs, and replacements to prevent spills, improve reliability, and extend infrastructure life.			
52104	**Water Distribution System Improvements**	3,000,000	Utility Fund (410)	No Impact
	This comprehensive project enhances the City's water distribution system through an integrated leak detection program, responsive customer service, and scheduled pipeline repairs. By addressing system leakage and aging infrastructure, the initiative ensures water quality, preserves hydraulic capacity, reduces property damage risk, and improves overall system reliability.			
52105	**Lift Station Improvements Annual Maintenance Program**	2,000,000	Utility Fund (410)	No Impact
	Systematically improving the City's 136 active lift stations to ensure reliable, efficient, and compliant wastewater system operations. Upgrades to aging infrastructure and critical components to prevent sewage spills, reduce emergency repairs, extend asset life, and maintain uninterrupted service for the community.			
52111	**Installation of Underground Electrical Infrastructure**	110,000	Capital Projects Fund (395)	No Impact
	Expansion and installation of underground electrical conduit along Miramar Parkway, extending the holiday lighting display from Palm Avenue to Red Road.			
52112	**Historic Miramar Drainage Improvements - Phase V**	21,400,000	Stormwater Management Fund (415)	No Impact
	Drainage Improvements Phase V to improve drainage-related system in Historic Miramar area bounded by SW 68 Terrace/SW 25 Street to the north, Sunshine Boulevard to the west, SW 64 Avenue to the east, and Miramar Parkway to the south. Minor drainage improvements in other completed phases will be performed.			
52113	**Historic Miramar Complete Streets - Phase IV**	1,425,834	Street Construction & Maintenance Fund (385); Capital Grants Fund (393)	No Impact
	Construction of new sidewalks, crosswalks, pedestrian lights and ADA compliant ramps along SW 34 St, SW 35 Ct, and SW 39 St, all located in between State Road 7 and SW 62 Ave, and along SW 31 St from SW 61 Ave to SW 62 Ave, and SW 61 Ave from SW 30 St to SW 33 St.			
52117	**East Water Treatment Plant (EWTP) Improvements**	500,000	Utility Fund (410)	No Impact
	Targeted enhancements to the East Water Treatment Plant (EWTP), key components include: installation of a sand separator to remove sand and other abrasive particles from the raw water before entering the treatment system, construction of a supporting drainage system to manage residuals, and security upgrades to strengthen facility protection to ensure compliance with safety standards.			
52119	**Installation of Electric Vehicle Charging Stations**	365,000	Fleet Maintenance Fund (503)	No Impact
	Strategic installation of electric vehicle (EV) chargers and associated control systems at key City facilities, including the Adult Daycare Center, police substations, fire stations, community parks, the Wastewater Reclamation Facility (WWRF), and the Sunset Lakes Tennis Complex.			
52120	**Light Boxes & Marquee**	50,000	Capital Projects Fund (395)	No Impact
	Replace 5 transparency boxes outside the theater with new digital boxes.			
52121	**Honey Hill Drive from Flamingo Road to SW 55th Street**	309,822	Capital Grants Fund (393)	No Impact
	The addition of an 8-foot wide shared use path and pedestrian lighting at Honey Hill Drive from Flamingo Road to SW 55th Street.			
52122	**Countyline Road Rehabilitation in Country Club Ranches**	125,000	Capital Projects Fund (395)	No Impact
	Construction of right turn lane from eastbound Pembroke Road to southbound Flamingo Road.			
52123	**CCTV Repair and Improvements**	233,600	Information Technology Fund (504)	
	Replace broken network video recorders (NVR) and cameras at locations identified throughout the City.			No Impac

Project Number	Description	FY 2026 Cost	Funding Source	Impact on FY 2026 Operating Budget
52124	**RPK AMP Network Extension and CCTV Camera Installation**	114,538	Park Development Fund (387); 2017 CIP Loan Fund (389); Capital Projects Fund (395); Information Technology Fund (504)	No Impact
	Extend the City's network to the Regional Park Amphitheater (AMP) site, add security cameras at the Amphitheater, parking area, and field; integrate the AMP site into the City's network, upgrade switching infrastructure for 10Gb uplinks, deploy redundant firewalls, install low-voltage cabling for improved POS systems and Wi-Fi coverage.			
52125	**Public Informational Signs**	190,173	CIP Revenue Bond 2013 Fund (388); 2017 CIP Loan Fund (389)	No Impact
	Ongoing design and installation of public information signs throughout the city.			
52126	**Canopy Over Dispensers at Wastewater Reclamation Facility (WWRF) Fuel Depot**	300,000	Fleet Maintenance Fund (503)	No Impact
	Supply and installation of a protective metal canopy with appurtenances over the uncovered fuel dispensers at the Wastewater Reclamation Facility (WWRF) Fuel Depot.			
52127	**Woodscape Infrastructure Improvements**	550,000	Utility Fund (410)	No Impact
	Assess the current conditions of three systems (water, sanitary sewer, and storm), identify deficiencies, evaluate potential alternatives, provide conceptual designs, cost estimates, and prioritization strategies for infrastructure improvements.			
52128	**Historic Miramar Infrastructure Improvement (HMII) Phase V Water Main Improvements**	4,000,000	Utility Fund (410)	No Impact
	Replace existing aging infrastructure with a new water distribution system and improve fire protection services by adding fire hydrants where necessary.			
52129	**Meter Repair & Replacement**	2,000,000	Utility Fund (410)	No Impact
	Replace over 22,000 water meters and meter transceiver units (MXUs) to maintain billing accuracy, protect utility revenue, and sustain operational efficiency.			
52130	**Miramar Cultural Center (MCC) Yard Fencing**	140,000	Capital Projects Fund (395)	No Impact
	Fence at the rear of Miramar Cultural Center			
	Total Infrastructure Redevelopment & Improvements	**$ 73,049,458**		

Public Buildings

53019	**Renovation and Addition of Fire Station 84 and Fire Rescue FOC**	3,515	Fire & EMS CIP Fund (381)	No Impact
	Total renovation and building expansion of Fire Station 84 and adjacent Headquarters building.			
53025	**Historic Miramar Innovation and Technology Village**	1,879,000	2020 CIP Loan Fund Taxable (392); Capital Projects Fund (395)	No Impact
	New road construction and modifications including a roundabout at SW 69 Avenue and SW 34 St, associated drainage improvements, sidewalks, street lighting, and storm water drainage improvements.			
53029	**Town Center Complex Enhancements**	315,000	Capital Projects Fund (395)	No Impact
	Upgrade City Hall courtyard programmable LED up-lights and an electrical system control modernization with emergency backup systems replacement.			
53030	**HR Department Office Renovations**	42,900	CIP Revenue Bond 2013 Fund (388); 2017 CIP Loan Fund (389); 2022 CIP Loan Fund (394)	No Impact
	Reconfiguration of +/- 2,000 sq. ft. of interior office renovation - miscellaneous cubical office space, additional miscellaneous offices, and training room with divider partition, filing storage, etc.			
53031	**West Water Treatment Plant (WWTP) Main Control and Administration Building Renovation**	1,850,000	Utility Fund (410)	No Impact
	Renovation of West Water Treatment Plant (WWTP) includes: modernizing the control room with updated equipment, refurbishing office and staff areas, and converting the former laboratory into functional spaces for meetings and administrative support.			
53032	**Wastewater Reclamation Facility (WWRF) Bldg A Office Renovation**	250,000	Utility Fund (410)	No Impact
	Renovation of Wastewater Reclamation Facility (WWRF) Building A includes improve workspace organization and streamline foot-traffic of control room, process laboratory, and mechanic shop; second-floor renovations, ground-level shower room upgrades, and main lobby improvements, with a focus on meeting modern environmental standards through enhanced lighting and indoor air quality.			
53034	**BPZ Office Improvements**	1,067,000	Capital Projects Fund (395)	No Impact
	1. Renovation of the BP&Z Lobby to be more customer friendly and ADA compliant: lower the counters, secure the concierge check-in desk, add water bottle filling stations, add a customer/resident work area with a computer/scanning station. 2. Create (2) Permanent offices in the Planning and Zoning area. 3. New cubicles/office space in the plan reviewer area.			

EXHIBIT A

IX. Public School Facilities Element

~~**Goal 1**~~
Goal I
The City of Miramar City Commission in collaboration with the Broward County Board of County Commissioners (Broward County), the School Board of Broward County (School Board) and other Broward County municipalities (municipalities) will effectively plan for public elementary and secondary school facilities to meet the current and future needs of Broward County's public school population and coordinate and cooperate to ensure that the adopted public school facilities element and/or provisions included in the comprehensive plan regarding public school concurrency are consistent (pursuant to Chapter 163.3180 (6)(a) F.S.) and in line with available financial resources and adopted level of service (LOS) standards. This will be accomplished recognizing the School Board's statutory and constitutional responsibility to provide a uniform system of adequate public school facilities and the authority of City of Miramar, Broward County and the other municipalities for development permitting and comprehensive planning.

Objective 1.1: Financially Feasible District Educational Facilities Plan
The School Board, pursuant to Chapters 163.3177 and 163.3180 F.S. and the Third Amendment to the Inter-Local Agreement for Public School Facility Planning (TRILA), shall prepare and annually update and adopt the Five-Year District Educational Facilities Plan (DEFP) which shall contain a five-year financially feasible schedule of capital improvements to address existing deficiencies and achieve and maintain the adopted level of service in all concurrency service areas (CSAs). The DEFP shall also contain a LOS plan which reflects the data required to demonstrate the achievement and maintenance of the adopted LOS standards. The School Board shall also ensure that school facilities are planned to meet the long-term planning period of the Public School Facility Element (PSFE) of the City of Miramar and Broward County Comprehensive Plans.

Policy 1.1.1 The DEFP shall include a financially feasible schedule of capacity additions to existing schools and construction of new schools to eliminate ~~existing~~ future level of service deficiencies and meet the needs of projected growth for the five-year planning period. This financially feasible schedule shall be annually adopted into the City of Miramar and Broward County Comprehensive Plans Capital Improvements Element (CIE), This adoption may either be by reference or by restatement of the relevant portions of the adopted DEFP, but in no event shall the City attempt to modify the adopted DEFP.

Policy 1.1.2 The DEFP shall provide year-by-year projections of the capacity needed to achieve and maintain the adopted LOS within the CSA for each school for the five- year planning period. These projections are included in the supporting documents of the PSFE.

Policy 1.1.3 The DEFP's five-year financially feasible schedule shall provide for the remodeling/renovation of existing schools to meet the identified needs of aging schools and replace dilapidated facilities.

Policy 1.1.4 The DEFP shall be amended on an annual basis to:

1) add a new fifth year;
2) reflect changes in estimated capital revenues, planned capital appropriations costs, planned capital facilities projects, CSAs and school usage; and,
3) ensure the DEFP continues to be financially feasible for the five-year planning period.

Objective 2.1: Concurrency Management System

The City of Miramar shall adhere to the county-wide adopted public school facilities concurrency management system for implementation of public school concurrency to ensure that public school facilities are available at the adopted level of service standard concurrent with the impact of proposed residential development.

Policy 1.2.1 The City, in collaboration with Broward County and the School Board shall implement concurrency management systems consistent with the policies included in the City's and County's Public School Facility Elements, procedures and requirements included within the TRILA, School Board Policy, and the City and County land development regulations.

Policy 1.2.2 The CSAs shall be the annually adopted school attendance boundaries for each elementary, middle and high school. The maps of the CSAs are maintained in the data and analysis section of the PSFE.

Policy 1.2.3 Consistent with the adopted ~~Third Amended and Restated Interlocal Agreement for Public School Facility Planning ("TRILA")~~ TRILA, the uniform district-wide LOS is established for the following School Types for the purpose of establishing a uniform district-wide LOS for public schools of the same type:

1. School Type A is a bounded elementary, middle, or high school that has the equivalent of at least 10% of its permanent FISH capacity available onsite in relocatables. The LOS for School Type A shall be 100% gross capacity (including relocatables).
2. School Type B is a bounded elementary, middle, or high school that has less than the equivalent of 10% of its permanent FISH capacity available onsite in relocatables. The LOS for School Type B shall be 110% permanent FISH capacity.

Policy 1.2.4 If adequate capacity is not available in a CSA for a proposed residential development, but capacity exists in one or more contiguous CSAs, the

development may proceed consistent with the provisions and procedures in the TRILA, School Board Policy, and City's and County's LDRs.

Policy 1.2.5 If adequate capacity is not currently available in a CSA or contiguous CSA, for a proposed residential development, but capacity is scheduled in the DEFP to be available within three (3) years after the issuance of final subdivision or site plan approval, (or functional equivalent), development of the project may proceed in accordance with the provisions and procedures in the TRILA, School Board Policy, and City's and County's land development regulations.

Policy 1.2.6 The City of Miramar and Broward County shall not approve a residential plat or site plan (or functional equivalent) until the School Board has reported that the school concurrency requirement has been satisfied consistent with the provisions and procedures in the TRILA, School Board Policy, and City's and County's LDRs.

Policy 1.2.7 The CSAs shall be established and subsequently modified to maximize available school capacity and make efficient use of new and existing public schools in accordance with the LOS standards and the ~~gross~~ capacity, taking into account special considerations such as, core capacity, special programs, transportation costs, geographic impediments, diversity programs, and class size reduction requirements to prevent disparate enrollment levels between schools of the same type (elementary, middle, high).

Policy 1.2.8 The projected student impact of a proposed residential development shall be determined using the student generation rates approved by the School Board and adopted within the Broward County Land Development Code. The student generation rates shall be reviewed and updated at least every three (3) years.

Policy 1.2.9 The public school concurrency approval for residential plats shall expire with the underlying approval. Therefore, a public school concurrency determination shall expire if development within the plat does not commence within five (5) years following the date of Broward County approval, unless extended.

Objective 1.3: Proportionate Share Mitigation

The School Board, pursuant to Chapter 163.3180 F.S. and the TRILA, shall adopt proportionate share mitigation alternatives which provide an option for residential developments unable to meet the public school concurrency requirement. Upon approval of a proportionate share mitigation alternative by the School Board and completion of necessary binding agreements, a development will be deemed to have met the public school concurrency requirement and may proceed.

Policy 1.3.1 A residential development's proportionate share mitigation value shall be determined by multiplying the number of additional student stations needed to mitigate the impact of the proposed development on schools within the affected CSA(s) not meeting the adopted LOS standards by the State cost per student station for each school type plus a land impact cost share, if any. Pursuant to Section 163.3180(6)(h), F.S., the applicant's proportionate share mitigation obligation shall be credited toward any other impact or exaction fee imposed by local ordinance for the same need, on a dollar-for dollar basis, at fair market value.

Policy 1.3.2 Proportionate share mitigation shall enhance the capacity of the schools (or provide for the construction of new schools) serving the proposed residential development. The mitigation shall equate to at least one permanent classroom, which may be funded by one or more residential developments, or other identified funding sources. Mitigation that results in the need for school site(s) shall primarily be the dedication of land. Proportionate share mitigation shall include the following options, as further defined and subject to, procedures and requirements in the TRILA and School Board Policy:

a. Purchase or dedication of needed elementary, middle or high school sites.
b. Construction of capacity improvements identified in years four (4) or five (5) of the DEFP including advancement of such improvements into the first three years of the DEFP.
c. Construction of previously unplanned schools, classroom additions, modular classrooms or similar facilities. Such facility capacity shall be included in the first three years of the DEFP through an amendment approved by the School Board.
d. Construction of the needed capacity at one or more charter schools. e. Other mitigation options approved by the School Board on a case by case basis contingent upon a School Board finding that the option mitigates the impact of the proposed development.

Policy 1.3.3 Mitigation shall be assured by a legally binding agreement between the School Board, the residential development's applicant and the City, which shall be executed prior to the issuance of the final subdivision plat or the final site plan approval (or functional equivalent). If the School Board agrees to the mitigation, the School Board must commit in the agreement to placing the improvement required for mitigation in the first three (3) years of the DEFP.

Policy 1.3.4 The City of Miramar has one (1) Proportionate Share Mitigation area. Due to a 2024 School Board study which reveals a 20 year excess capacity of school classrooms throughout the county, the City of Miramar, Broward

County and School Board will endeavor to modify or eliminate the current Proportionate Share Mitigation Agreement.

~~**GOAL 2**~~
Goal II
Collaborate and Coordinate to Maximize Quality Education
The City of Miramar, Broward County and the School Board will maximize collaboration and coordination to effectively plan for public elementary and secondary school facilities to meet the current and future needs of Broward County's public school population. Pursuant to Chapter 163.3180(6)(a) F.S., the City of Miramar, Broward County and all other non-exempt municipalities within the County shall coordinate and cooperate to ensure the adopted public school facilities elements are consistent with each other.

Objective 2.1: Land Use Consistency, Compatibility & Adequate Infrastructure
The City of Miramar, Broward County, and School Board shall establish coordination mechanisms to ensure that the locations of existing and proposed school sites are compatible with and proximate to the existing and planned land uses they serve. Such coordination shall also ensure there is adequate public infrastructure available to serve existing and planned school sites including infrastructure which provides safe access to schools.

Policy 2.1.1 The City of Miramar, Broward County, and the School Board will coordinate through the procedures established in the TRILA and the City's and County land use planning process to ensure that existing and proposed public school facility sites are consistent and compatible with the land use categories, future land use maps and policies of the City's and County Comprehensive Plans and enable a close integration between existing and planned schools and surrounding land uses.

Policy 2.1.2 The City of Miramar, Broward County and the School Board shall coordinate to prepare projections of future development and public school enrollment growth and to ensure such projections are consistent with the Broward County and City's future land use maps and the School Board's Long Range Public School Facilities Map consistent with the procedures and requirements identified in the TRILA.

Policy 2.1.3 The Broward County PSFE shall include future conditions maps showing existing and anticipated school facilities for the short-term (5 year) and long-term (10 year) planning time frames.

Policy 2.1.4 Consistent with provisions and procedures in the TRILA, the School Board will advise the City and Broward County of inconsistencies in

comprehensive plans and plan amendments with the DEFP and Long-Range School Facilities Plan.

Policy 2.1.5 The School Board shall monitor and participate in the City's and Broward County plat review and site plan review processes, the DRI process, the land use plan amendment process and other development order/permit processes that may have an impact on current or planned public educational facilities in the City of Miramar.

Policy 2.1.6 The City of Miramar, the School Board and Broward County shall utilize the procedures identified within the TRILA, including the Staff Working Group and Oversight Committee established by the TRILA, to coordinate the annual review of school enrollment projections in addition to the preparation and annual reviews of public school facilities elements and ensure that the elements are consistent with each other.

Policy 2.1.7 The School Board shall annually update and adopt the DEFP and transmit it, including any supplemental amendments, to the City and Broward County, which then shall amend their CIEs, consistent with the provisions and procedures of the TRILA.

Policy 2.1.8 The City of Miramar, Broward County and the School Board shall share and coordinate information through the plat, site plan and school siting processes and procedures identified in the TRILA to ensure the location, phasing, and development of public school facilities, including additions to existing facilities, is coordinated with the provision of necessary public infrastructure including water and sewer, roads, drainage, sidewalks, mass transit and other infrastructure required to support the public school facilities.

Policy 2.1.9 The City shall coordinate with the School Board and Broward County through the school siting process identified in the TRILA, as well as the City and Broward County platting and site plan approval processes to implement strategies, consistent with Florida's Safe Routes to School Program, which reduce hazardous conditions and provide direct, unobstructed and safe access for pedestrian travel (including sidewalks, bicycle paths, signage and signalization) to existing and new school facilities.

Policy 2.1.10 In coordination with the Broward County Metropolitan Planning Organization (MPO), the City shall facilitate the planning, development, and implementation of the Safe Routes to School Program projects and activities, and continue Broward County's School Safety Program, which focused on the safety of children walking, biking, or being driven to school, and to use the School Board's Quarterly Hazardous Walking Conditions report as a base for prioritizing improvements near schools.

Policy 2.1.11 The City will coordinate with the School Board and Broward County to develop and implement programs and strategies to adapt educational infrastructure to climate change and to improve energy efficiency and educate students and teachers on how to consider these topics in their daily lives.

Objective 2.2: School Facility Siting, Collocation & Design

The City, the School Board and Broward County pursuant to the TRILA, shall coordinate the location of public school facilities relative to the location of other public facilities such as parks, libraries and community centers and promote schools to be focal points within the community.

Policy 2.2.1 In the planning, siting, land acquisition, permitting and development of a new school facility or significant renovation or expansion, the School Board shall coordinate with the City and Broward County on the availability of public facilities, services and grounds (especially for the purposes of collocating parks, libraries, ball fields, community centers, public safety facilities, parking facilities, drainage facilities and other appropriate facilities).

Policy 2.2.2 The City, Broward County and the School Board shall pursue shared-use and co-location of school sites with County and City facilities having similar facility needs, such as libraries, parks, ball fields, other recreation facilities. At a minimum, per the TRILA, the City will look for opportunities to collocate and share use of City facilities when preparing updates to the Schedule of Capital Improvements within the Comprehensive Plan, and planning and designing new or renovated facilities.

Policy 2.2.3 Through the design of school facilities, establishment of school siting standards and pursuit of collocation opportunities, the School Board shall encourage school facilities to serve as community focal points.

Policy 2.2.4 The City will coordinate with the School Board and Broward County on efforts to build new school facilities, which are designed to serve as emergency shelters as required by Section 1013.372, F.S., the City and Broward County, as well as on emergency preparedness issues through the County's Emergency Operating Center.

Policy 2.2.5 When a school is scheduled to be closed by the School Board, the City shall coordinate with the School Board and Broward County on the potential re-use of the property including but limited to a Charter School, parks, libraries, ball fields, community centers, public safety facilities, parking facilities, drainage facilities and other appropriate facilities.

EXHIBIT A

Appendix A: Maps
BROWARD COUNTY PUBLIC SCHOOL FACILITIIES ADOPTED MAPS

Current Boundaries (2024-2025)

Elementary Schools Boundaries I
Middle Schools Boundaries II
High Schools Boundaries III
All Current School Facilities IV

Short-Range – (~~2010 – 2015~~ 2023-2028)

Future Conditions - Elementary Schools – Five Year Plan V
Future Conditions - Middle Schools – Five Year Plan VI
Future Conditions - High Schools – Five Year Plan VII
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~~Future Conditions - Ancillary Plant Locations – Five Year Plan ..... IX~~

~~Long-Range – (2010-2020)~~

~~Future Conditions - Elementary Schools – Five Year Plan ..... X~~
~~Future Conditions - Middle Schools – Five Year Plan ..... XI~~
~~Future Conditions - High Schools – Five Year Plan ..... XII~~
~~Future Conditions - Charter Schools – Five Year Plan ..... XIII~~
~~Future Conditions - Special Schools – Five Year Plan ..... XIV~~
~~Future Conditions - Ancillary Plant Locations – Five Year Plan ..... XV~~

EXHIBIT A

Map I: Current Facilities – Elementary Schools Boundaries

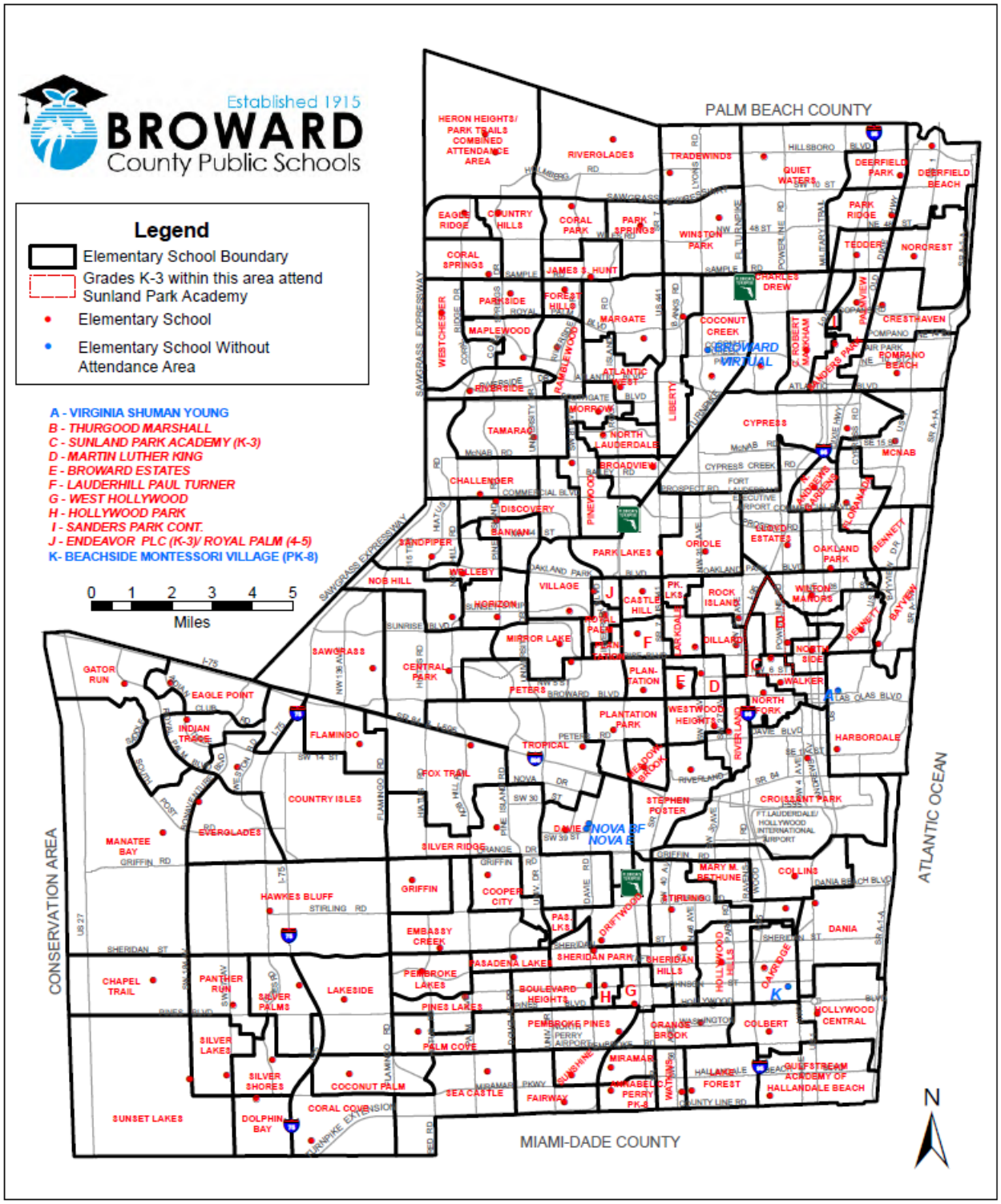


EXHIBIT A

Map II: Current Facilities – Middle Schools Boundaries

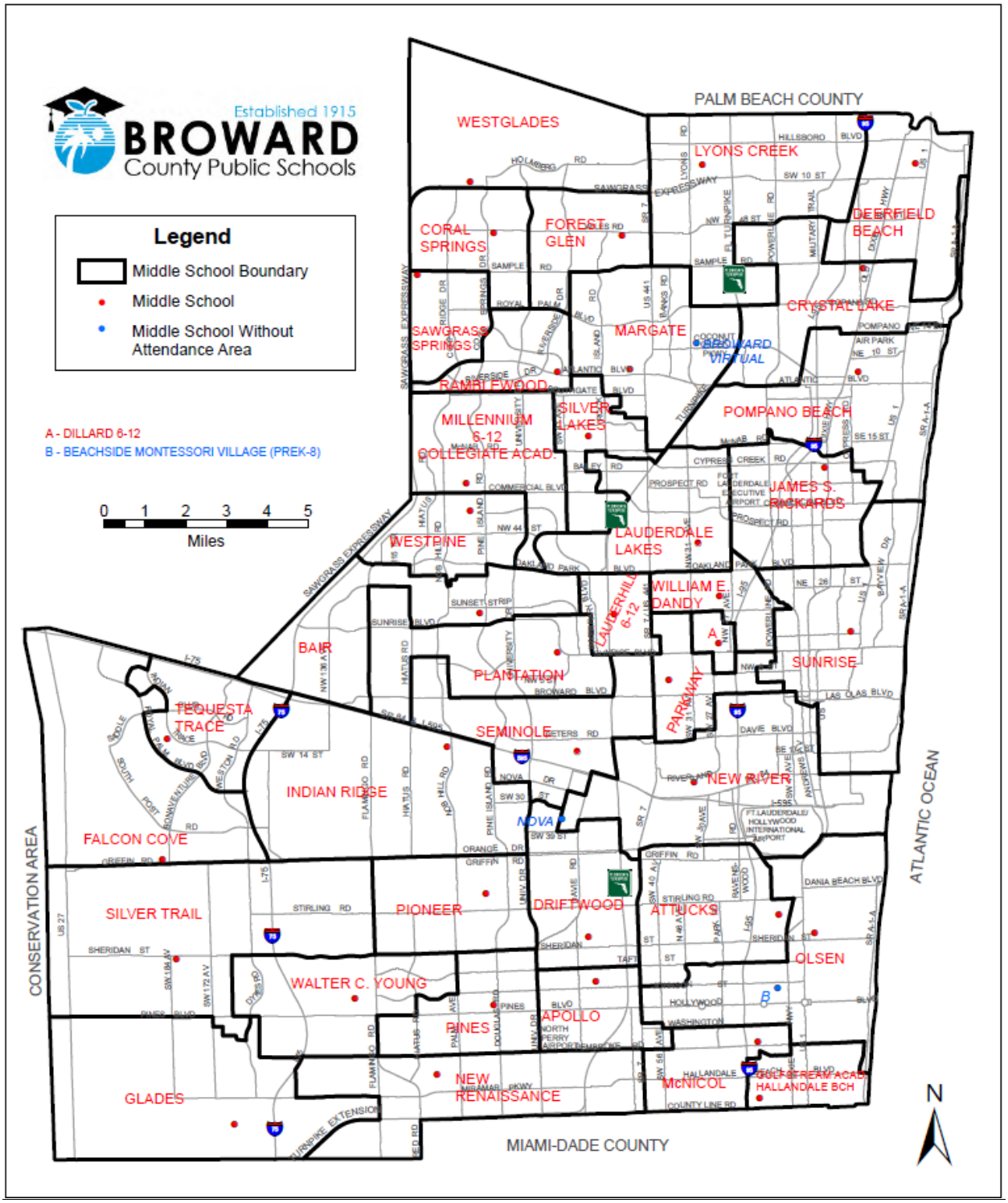


EXHIBIT A

Map III: Current Facilities – High Schools Boundaries

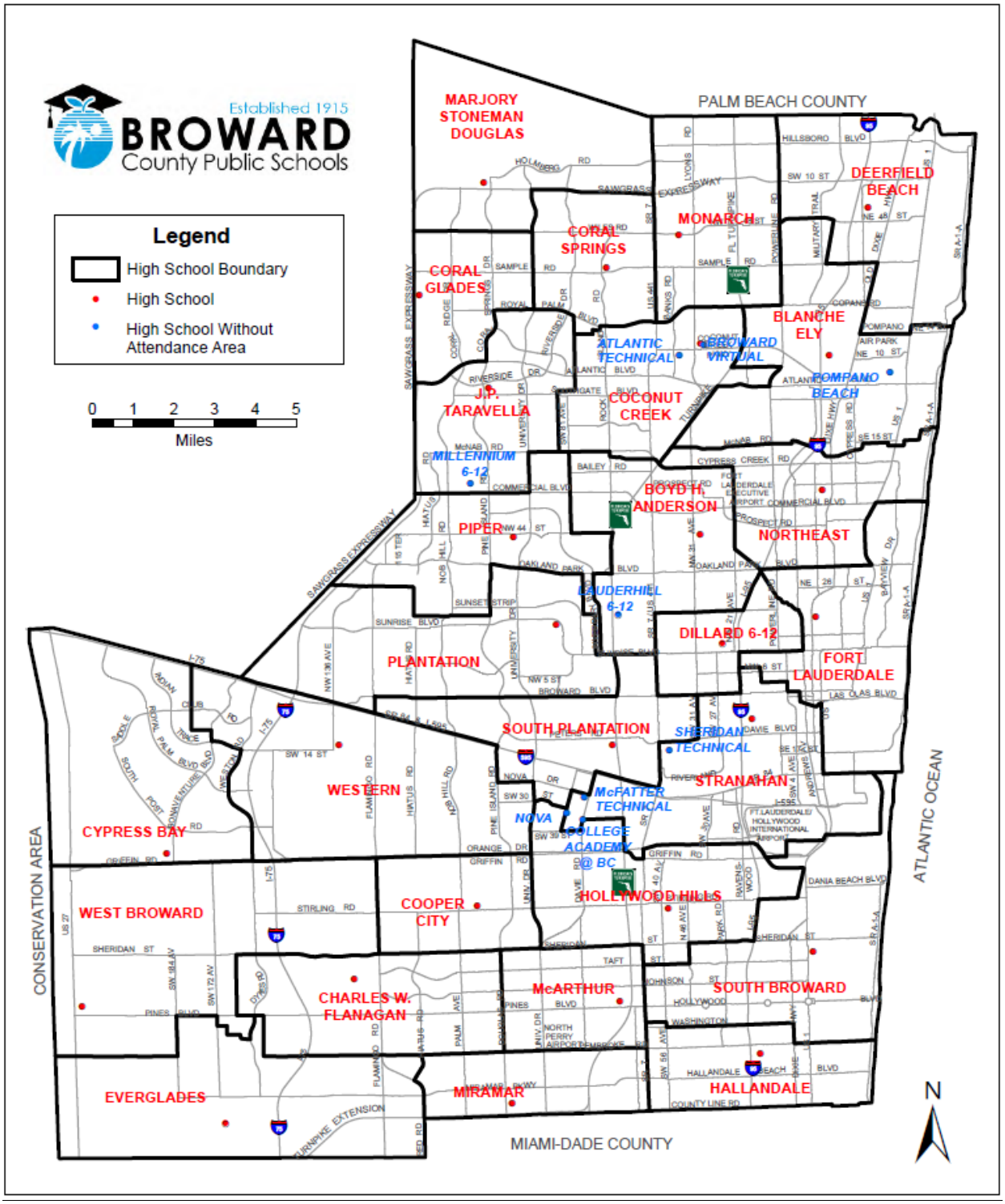


EXHIBIT A

Map IV: Current Facilities – All Current School Facilities

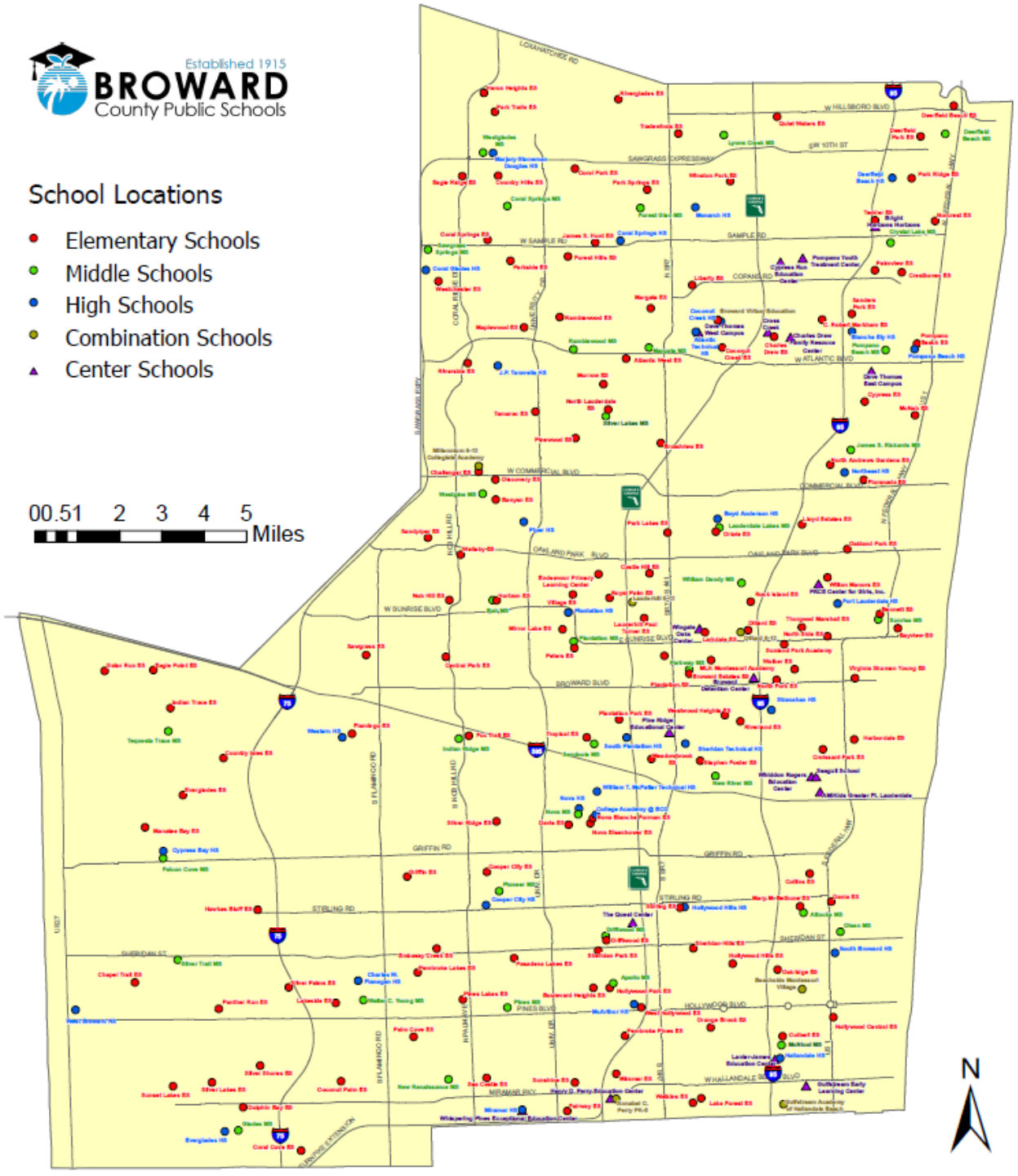


EXHIBIT A

Map V: Future Conditions – Elementary Schools – Five Year Plan

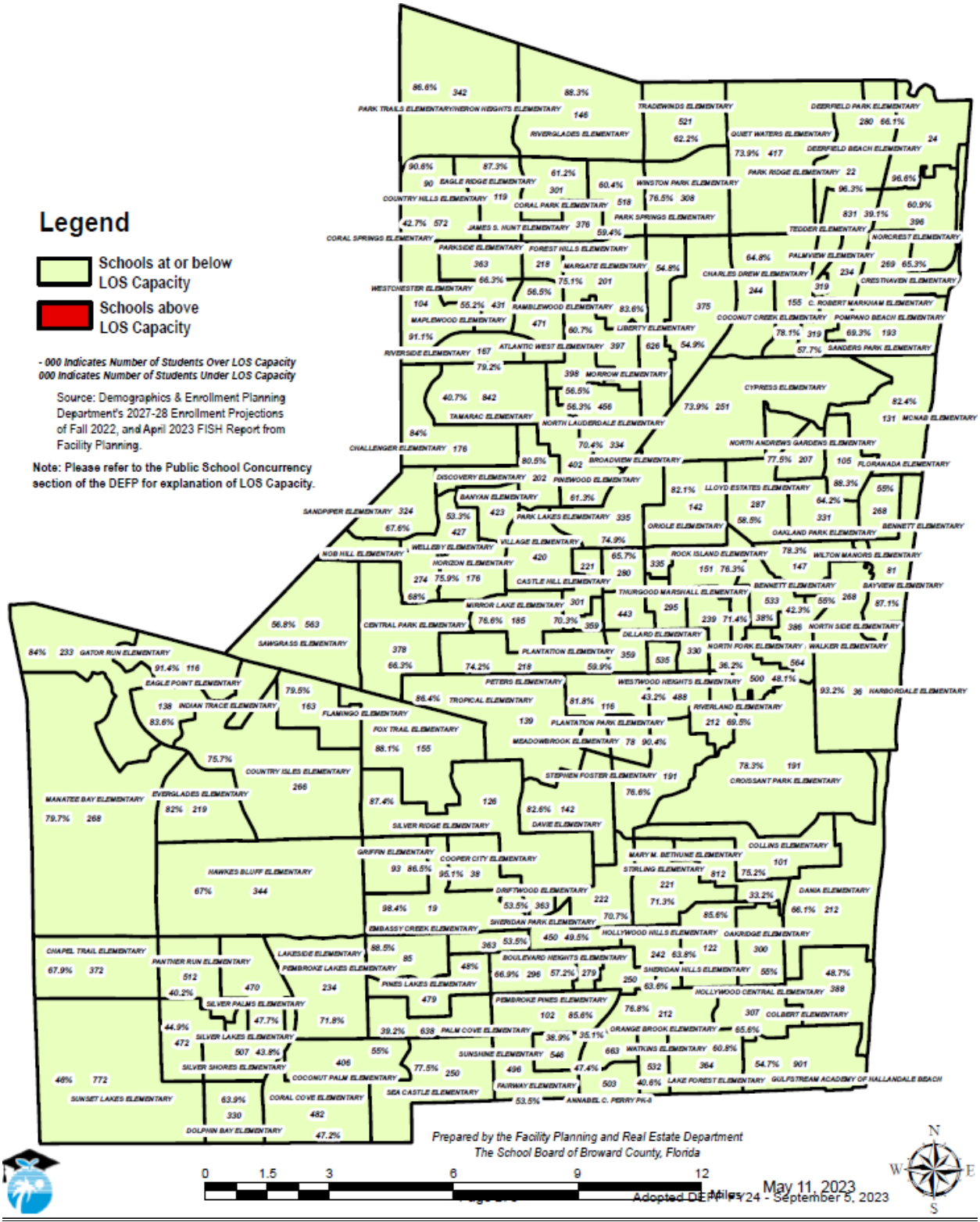


EXHIBIT A

Map VI: Future Conditions – Middle Schools – Five Year Plan

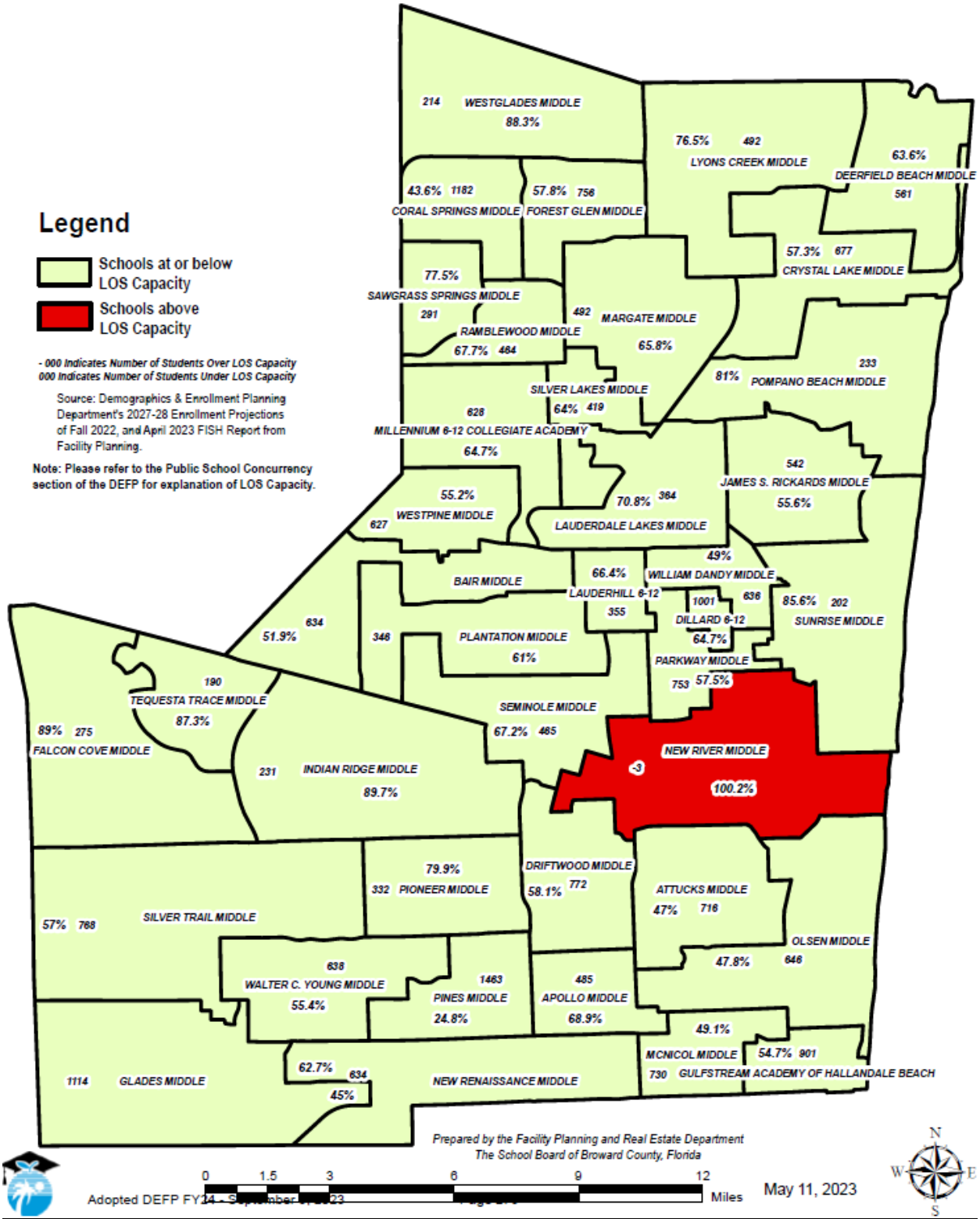
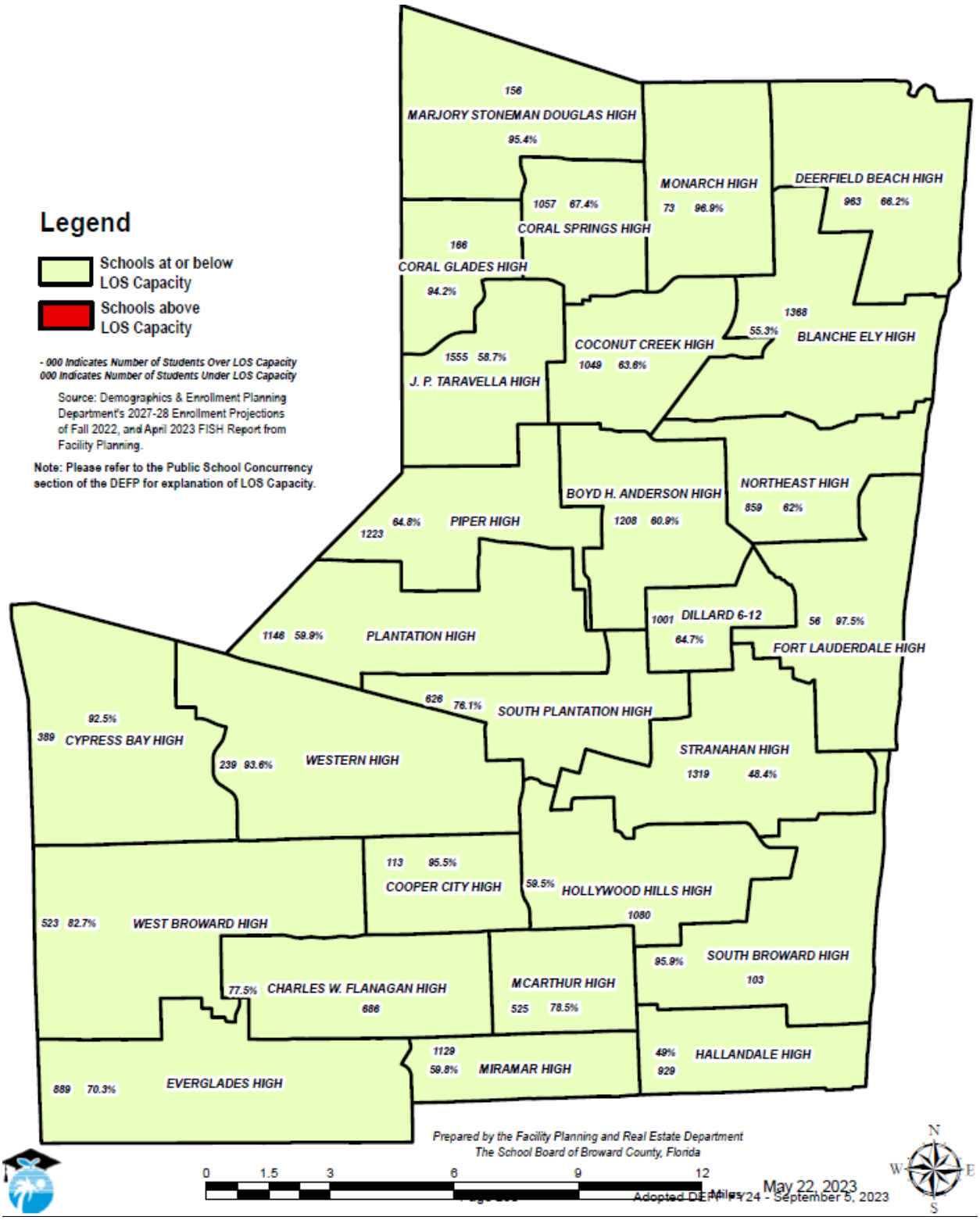


EXHIBIT A

Map VII: Future Conditions – High Schools – Five Year Plan



X. Property Rights Element

Under Article I, section 2 of the Florida Constitution's Declaration of Rights, individuals are guaranteed the right "to acquire, possess, and protect property." Nevertheless, these private property rights may sometimes be curtailed through sovereign police powers to establish and enforce laws protecting the welfare, safety, and health of the public. The Florida Legislature is aware of the often competing public and private interests in land use regulations and other government actions, and has taken two important steps to address this tension. Section 187.101(3), Florida Statutes (F.S.), expressly provided that the goals and policies of the State Comprehensive Plan be consistent with the protection of private property rights. Second, in s. 163.3161(10), F.S., the Community Planning Act stated in pertinent terms:

It is the intent of the Legislature that all governmental entities in this state recognize, and respect judicially acknowledged or constitutionally protected private property rights. It is the intent of the Legislature that all rules, ordinances, regulations, comprehensive plans and amendments thereto, and programs adopted under the authority of this act must be developed, promulgated, implemented, and applied with sensitivity for private property rights and not be unduly restrictive, and property owners must be free from actions by others which would harm their property or which would constitute an inordinate burden on property rights as those terms are defined in s. 70.001(3)(e) and (f). Full and just compensation or other appropriate relief must be provided to any property owner for a governmental action that is determined to be an invalid exercise of the police power which constitutes a taking, as provided by law. Any such relief must ultimately be determined in a judicial action.

Goal 1
The City of Miramar shall, in all of its decision-making process, exercise its governmental, corporate and proprietary home rule powers conferred under Article VII of the Constitution of the State of Florida and Chapter 166, F.S., as well as its comprehensive planning and land development regulation powers as granted under the Community Planning Act in a manner that respects and does not unduly restrict private property rights, and that leaves property owners free from actions by others, which would harm their property or which would constitute an inordinate burden on property rights under the Bert J. Harris Jr., Private Property Rights Protection Act.

Objective 1.1:
The City shall, in all of its decision-making process, balance judicially acknowledged and constitutionally protected private property rights against its need to efficiently plan, coordinate, and deliver government services amid its continued growth and development.

Policy 1.1.1 The City shall, in all of its decision-making process, respect and recognize a private property owner's right to physically possess the property and control his or her interests in the property, including easements, leases, or mineral rights.

Policy 1.1.2 The City shall, in all of its decision-making process, respect and recognize private property owner's right to use, maintain, develop, and improve the property for personal use or the use of another, subject to state law and local ordinances.

Policy 1.1.3 The City shall, in all of its decision-making process, respect and recognize a private property owner's right to privacy and exclusion of others from the property to protect his or her possessions and property.

Policy 1.1.3 The City shall, in all of its decision-making process, respect and recognize a private property owner's right to dispose of the property through sale or gift.

Objective 2:
The City of Miramar shall, in all of its decision-making process, recognize the existence of legitimate and often competing public and private interests in land use regulations and other government actions. The City shall provide full and just compensation or other appropriate relief to any property owner for any rule, ordinance, regulation, comprehensive plan amendment, and program adopted under the authority of the Community Planning Act, which unfairly affects real property.

Policy 1.2.1 The City shall provide compensation, or other appropriate relief as provided by law, to a landowner for any governmental action that is determined to be an unreasonable exercise of the City's police power so as to constitute a taking.

Policy 1.2.2 The City shall determine or other relief by judicial proceeding rather than by administrative proceeding.

Policy 1.2.3 The City shall consider acquiring lands in cases where regulation will severely limit practical use of real property.

EXHIBIT B

2025 WATER SUPPLY FACILITIES WORK PLAN

CITY OF MIRAMAR, FLORIDA

Prepared by Brown and Caldwell for the City of Miramar, FL Department of Utilities

Limitations:

This document was prepared solely for the City of Miramar in accordance with professional standards at the time the services were performed and in accordance with the contract between the City of Miramar and Brown and Caldwell dated December 7, 2022. This document is governed by the specific scope of work authorized by the City of Miramar; it is not intended to be relied upon by any other party except for regulatory authorities contemplated by the scope of work. We have relied on information or instructions provided by the City of Miramar and other parties and, unless otherwise expressly indicated, have made no independent investigation as to the validity, completeness, or accuracy of such information.



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2025 Water Supply Facilities Work Plan_Feb 2026

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Section 1: Introduction and Background

1.1 Introduction

The City of Miramar's (City) 2025 Water Supply Facilities Work Plan outlines strategies for developing and managing traditional and alternative water supply sources to meet current and future demand. The City's water service areas comprise about 96 percent of the City's population. This Work Plan primarily focuses on the City of Miramar's water service areas. To ensure the city's infrastructure meets the needs of both current and future development, the plan includes a directive to update the Work Plan for a 10-year planning period.

Florida Law [Florida Statutes Section 163.3177(6)(c)3] requires local governments to adopt water supply facilities work plans into their Comprehensive Plans within eighteen months after the South Florida Water Management District (SFWMD) approves a regional water supply plan update. The SFWMD approved the 2024 Lower East Coast Water Supply Plan Update (LECWSP, SFWMD, 2024) on September 24, 2024. This update assesses projected water demands and potential sources of water for the period through 2050. The 2025 Work Plan is the City of Miramar's required update based on that plan's adoption.

Figure 1 shows the location of the City of Miramar in Broward County, Florida. The City of Miramar was incorporated on May 26, 1955, with fewer than 200 residents. The City of Miramar initially grew in the eastern area between Palm Avenue and US 441, with utility services provided by the East Water Treatment Plant (East WTP) and a master pump station. Over the past 25 years, the City has experienced significant growth, particularly in the western area, necessitating extensive expansion of water and wastewater infrastructure. Together, these plants serve about 96 percent of the City's population, with the remainder served by Broward County Water and Wastewater Services (BCWWS). The City's Water Service Area (WSA) extends from State Road 7 to SW 195th Avenue, County Line Road to Pembroke Road, and features a distribution system with pipes, storage facilities, pumping stations, and two Water Treatment Plants (WTPs). Continuous assessments are conducted to monitor growth and impacts, ensuring adequate water supply, plant capacity, facilities planning, and environmental considerations for existing and new developments.

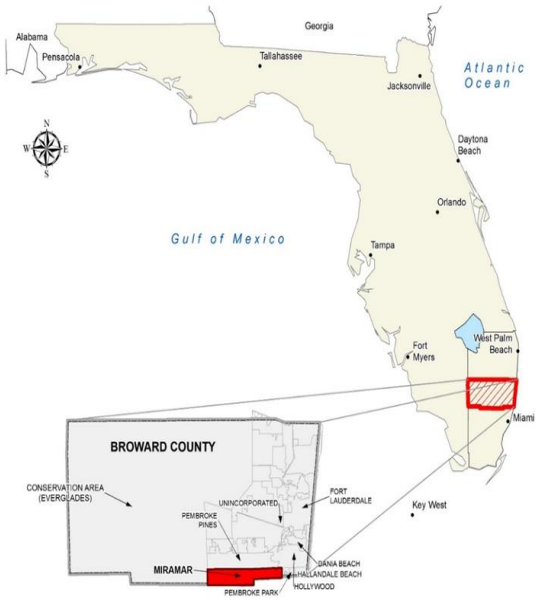


Figure 1. Location Map

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The City of Miramar sources its public water supply from the Biscayne Aquifer System, a traditional Surficial Aquifer System (SAS) source, and the Floridan Aquifer System (FAS), an alternative water supply (AWS). Advanced treatment technologies are utilized, such as nanofiltration for the SAS supply at both treatment facilities and reverse osmosis for the FAS supply at the West WTP. Additionally, the City operates a Wastewater Reclamation Facility to treat domestic wastewater and produce reclaimed water for irrigation purposes. The City of Miramar is committed to water conservation, sustainability, and continuous improvement of its water infrastructure to meet the needs of its community now and in the future. This dedication is evident in the City's commitment to promoting water conservation and reliance on alternative water supplies, inclusive of FAS and reclaimed water supplies, to meet the growing water supply needs of the communities served.

This report gives an overview of the City of Miramar's water management. It covers City structure, regional challenges, future projections, service areas, and standards for potable water. It also addresses water demand, sources, conservation, reuse, coordination activities, sector plans, capital improvements, and goals for a sustainable water supply.

1.2 Background

East Water Treatment Plant

The East Water Treatment Plant (East WTP) is located at 2600 SW 66th Terrace, Miramar, FL 33023. Originally built in the late 1950s, the plant has undergone extensive renovations over the years. In 2019, the East WTP transitioned from a conventional lime softening process to a state-of-the-art nanofiltration process. This advanced membrane technology allows the plant to treat surficial groundwater from the Biscayne Aquifer without the use of chemicals, utilizing pressure to push the water through a filtration process. The nanofiltration process became fully operational in May 2019, with a finished plant capacity of 6 million gallons per day (MGD).

The East WTP is equipped with several key components, including four new production wells, pretreatment equipment, nanofiltration equipment, post-treatment facilities, one deep injection well, chemical feed systems, a clearwell, a ground storage tank and a high service pump station. The plant also features major building modifications to accommodate the new treatment technologies. The nanofiltration process is highly efficient and produces high-quality drinking water, making it one of the most advanced filtration technologies available today.

West Water Treatment Plant

The West Water Treatment Plant (West WTP) is located at 4100 Flamingo Rd, Miramar, FL 33027. Established in 1996, the West WTP initially featured nanofiltration treatment technology for Biscayne Aquifer. Over time, the plant was expanded to include reverse osmosis treatment utilizing water from the Floridan Aquifer. The West WTP has a finished plant capacity of 11.75 MGD.

These advanced membrane technologies are considered the best available technologies to produce high-quality drinking water from their respective supplies. The West WTP is equipped with several key components, including pre-treatment systems, membrane processes, post-treatment and chemical application systems, finished water storage and high service pumping, and a deep well injection system for concentrate disposal.

Wastewater Reclamation Facility (WWRF)

The City of Miramar's Wastewater Reclamation Facility (WWRF) plays an important role in the City's water management strategy, particularly in relation to reclaimed water (RW). The WWRF, located at 13900 Pembroke Road, Miramar, FL 33027, has a permitted treatment capacity of 12.7 MGD. The facility is designed to treat domestic wastewater and produce high-quality RW for public access and in-plant use.

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The WWRF's RW system consists of several key components, including two vertical turbine filter feed pumps, four cells of continuous backwash sand filters, two chlorine contact chambers, two ground storage tanks, and a reclaimed water pump station with four horizontal split case effluent pumps.

The City of Miramar has a long history of aggressive RW development and was among the first South Florida utilities to pursue substitution offset credits. Recent capital improvements increased reclaimed water treatment capacity from 4.0 to 7.5 MGD and extended reclaimed water transmission west of I-75 through phased treatment and transmission improvements totaling approximately $8.6 million. The reclaimed water distribution system expansion was completed in Spring 2025. As a result, the City has now the ability to treat, transmit, and deliver an additional 3.0 MGD of reclaimed water to new target customers in accordance with Interlocal Agreements with the City of Hollywood and Cooper City. These efforts support the City of Miramar’s broader water conservation and sustainability objectives.

Additionally, as the City's RW demand grows, provisions in its Water Use Permit (WUP) No. 06-00054-W allow for an increased SAS allocation from the west wellfield when RW demand exceeds 4 MGD, pursuant to Limited Condition #25 of its WUP.

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Section 2: Statutory History and Requirements

2.1 Statutory History

The Water Supply Facilities Work Plan Updates SFWMD Technical Assistance Guide cites that the Florida Legislature enacted bills during the 2002, 2004, 2005, 2011, 2012, 2015, and 2016 sessions to address the State's water supply needs. Notably, Senate Bills 360 and 444, enacted during the 2005 legislative session, strengthened the statutory links between regional water supply plans (RWSPs) prepared by water management districts and Comprehensive Plans prepared by local governments through changes to Chapters 163 and 373, Florida Statutes (F.S.). These changes improved coordination between local land use planning and regional water supply planning.

2.2 Statutory Requirements

The City of Miramar has considered several statutory provisions when updating its Water Supply Facilities Work Plan (Work Plan). These provisions are outlined in the SFWMD Work Plan Guide and are based on various sections of the Florida Statutes (F.S.). Below is a summary of each statutory requirement:

1. Coordination with the LECWSP: The City of Miramar must coordinate appropriate aspects of its Comprehensive Plan with the Lower East Coast Water Supply Plan (LECWSP) as required by Section 163.3177(4)(a), F.S. This ensures that the City's water supply planning aligns with regional water supply strategies.
2. Future Land Use Plan: The future land use plan must be based on the availability of adequate water supplies and public facilities, as mandated by Section 163.3177(6)(a), F.S. Data and analyses demonstrating that adequate water supplies and associated public facilities will be available to meet projected growth demands must accompany all proposed Future Land Use Map amendments submitted for review.
3. Adequate Water Supplies for New Development: The City must ensure that adequate water supplies and potable water facilities are available to serve new development no later than the issuance of a certificate of occupancy or its functional equivalent, as required by Section 163.3180(2), F.S.
4. Revisions for Local Governments Subject to RWSP: Local governments subject to a Regional Water Supply Plan (RWSP) must revise the General Sanitary Sewer, Solid Waste, Drainage, Potable Water, and Natural Groundwater Aquifer Recharge Element (the "Infrastructure Element") through a Comprehensive Plan amendment to:
   - Identify and incorporate alternative water supply projects selected by the local government from projects identified in the LECWSP, or alternative projects proposed by the local government under Section 373.709(8)(b), F.S. [Section 163.3177(6)(c), F.S.].
   - Identify traditional and alternative water supply projects and conservation and reuse programs necessary to meet water needs identified in the LECWSP [Section 163.3177(6)(c)3, F.S.].
   - Update the Work Plan for at least a 10-year planning period for constructing the public, private, and regional water supply facilities identified in the element as necessary to serve existing and new development [Section 163.3177(6)(c)3, F.S.].
5. Five-Year Schedule of Capital Improvements: The Five-Year Schedule of Capital Improvements must include water supply, reuse, and conservation projects and programs to be implemented during the 5- year period, as mandated by Section 163.3177(3)(a)4, F.S.
6. Revisions to the Conservation Element: To maintain internal consistency after making changes described in paragraphs 1 through 5 of the SFWMD Work Plan Guide, the Conservation Element must be

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revised to assess projected water needs and sources for at least a 10-year planning period, considering the LECWSP and applicable consumptive use permits [Section 163.3177(6)(d), F.S.]. The Comprehensive Plan must address the water supply sources necessary to meet existing and projected water use demand for the established planning period, considering the LECWSP [Section 163.3167(9), F.S.].

7. **Revisions to the Intergovernmental Coordination Element**: To maintain internal consistency after making changes described in paragraphs 1 through 5, the Intergovernmental Coordination Element must be revised to ensure consistency between the Comprehensive Plan and the applicable RWSP [Section 163.3177(6)(h)1., F.S.].
8. **Comprehensive Plan Evaluation and Update**: Local governments are required to evaluate and update the Comprehensive Plan to reflect changes in local conditions every seven years. This evaluation could address the need to update the Work Plan, including the development of alternative water supplies, and determine whether the identified alternative water supply projects, traditional water supply projects, and conservation and reuse programs are meeting local water use demands [Section 163.3191(3), F.S.].
9. **Incorporation of Sector Plan Information**: Local governments with a Sector Plan adopted in accordance with Section 163.3245, F.S., should incorporate information from the adopted Sector Plan, Master Plan, and Detailed Specific Area Plan into the Work Plan. The focus should be on water needs, water supply and resource development, conservation measures, and intergovernmental coordination activities with the SFWMD and water supply development projects needed to address projected development in the Sector Plan area [Section 163.3245, F.S.].

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Section 3: Lower East Coast Water Supply and Regional Activities

3.1 Relevant Regional Challenges

Chapter 5 of the LECWSP 2023-2024 offers a thorough analysis of the water resource challenges relevant to the water demand within the Lower East Coast Planning Area. This section emphasizes the primary regional issues identified for 2045.

1. Insufficiency of Traditional Freshwater Sources
    1. Traditional freshwater sources in the LEC Planning Area are not sufficient to meet the projected water use demands for 2021 and 2045. Fresh groundwater, combined with currently permitted surface water, is inadequate to meet the growing needs during 1-in-10-year drought conditions.
    2. Increased withdrawals from the SAS are limited by the Biscayne aquifer minimum flow and minimum water level (MFL), LEC Regional Water Availability criteria, potential impacts on the regional system, wetlands, pollution, and existing legal users. There is also the potential for saltwater intrusion or upconing of relict seawater in the western portions of the planning area.
2. Expansion of Alternative Water Supply (AWS) Sources
    1. Water users from various categories are expanding their use of AWS sources. Several Public Supply (PS) utilities are using brackish water from the Floridan Aquifer System (FAS) to meet a portion of their current demands and to address increased demands through 2045. Some PS utilities are permitted to use surface water from the C-51 Reservoir Phase 1, totaling 35 MGD, to offset increased Surficial Aquifer System (SAS) withdrawals. The use of reclaimed water for greenspace irrigation is projected to increase in the LEC Planning Area. Several golf courses are using brackish water from the FAS and reverse osmosis to meet their water needs.
    2. Withdrawals from the FAS are expected to increase to meet future demands. Continued monitoring of water levels and water quality in the FAS is necessary to ensure long-term sustainability of the resource.
    3. Previous LEC water supply plan updates identified a variety of AWS projects to avoid water resource impacts and competition among water users and to provide a sustainable supply of water. AWS projects include the use of reclaimed water, storage of water using aquifer storage and recovery wells and reservoirs, storage of surface water otherwise discharged to tide (e.g., C-51 Reservoir), and development and use of brackish water sources.
3. C-51 Reservoir Phase 1
    1. The C-51 Reservoir Phase 1 is envisioned to deliver 35 MGD of stored surface water to several PS utility wellfields to offset increased SAS withdrawals in Broward and Miami-Dade counties.
4. Impact of Climate Change and Sea Level Rise
    1. Climate change and sea level rise are increasingly likely to negatively affect the availability of freshwater resources in the LEC Planning Area. The SFWMD is conducting research and developing adaptation strategies to address these challenges.
5. New Lake Okeechobee System Operating Manual
    1. The new Lake Okeechobee System Operating Manual, associated with the completion of the Herbert Hoover Dike repairs, will have effects on water supply and the Lake Okeechobee MFL.
6. Regulatory Criteria for Polyfluoroalkyl Substances (PFAS)

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1. Recent developments by the United States Environmental Protection Agency on the regulatory criteria for PFAS could require changes in the level of treatment required and may result in increased demands.

7. Decreased Agricultural Demands and Potential Availability of Fresh Groundwater
   1. Continued decreases in irrigated agricultural acreage and associated demands have resulted in reduced demands on surface water sources.
   2. While the development of fresh groundwater is limited in many areas of the LEC Planning Area, it may be available in portions of the region. As population growth increases pressure for urban expansion, some agricultural land is expected to transition to urban community uses. Conversion of agricultural lands to another use may result in available fresh groundwater and surface water.

3.2 Lower East Coast Regional Water Availability Rule

The Regional Water Availability Rule is a critical component of water resource management within the Lower East Coast (LEC) Planning Area. This rule sets forth specific criteria and restrictions on the allocation of surface water from key water bodies, ensuring sustainable use and preventing over-extraction. Below are the key elements and implications of this rule as described in the 2023-2024 Lower East Coast Water Supply Plan Update by the SFWMD:

Key Components

- Lake Okeechobee and LOSA:
  - The Restricted Allocation Area (RAA) criteria limit additional allocations of surface water from Lake Okeechobee and its connected conveyance systems, including the Hillsboro, North New River, and Miami canals.
- North Palm Beach County/Loxahatchee River Watershed Waterbodies:
  - The RAA restricts net increases in the volume or timing changes of direct surface water and indirect groundwater withdrawals above existing allocations.
- L-1, L-2, and L-3 Canal System:
  - The RAA prohibits additional surface water allocations above existing allocations.

Implications

The rule has significant implications for water resource management:

- Water Bodies:
  - Due to the restrictions imposed by the RAAs, these water bodies cannot be relied upon for additional future demands.
- Agricultural Acreage:
  - The decline in agricultural acreage has led to decreased use of these surface water bodies.
- Alternative Water Supply (AWS):
  - Future surface water use may be replaced with AWS sources, such as reclaimed water, if available.
- Other Uses:
  - Canals and surface water bodies are also utilized for flood control, groundwater recharge, and preventing saltwater intrusion.

Monitoring and Management

Effective monitoring and management practices are essential to uphold the rule:

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- Surface Water Level Monitoring:
  - This involves evaluating the potential for saltwater intrusion, monitoring hydroperiods, guiding operations for flood control and water supply, and establishing Minimum Flow Levels (MFL) criteria.
- Future Demands:
  - Increased future demands are likely to be met using groundwater sources rather than surface water.

Overall, the Regional Water Availability Rule plays a pivotal role in managing water resources within the LEC Planning Area. The use of surface water is limited and is expected to remain so throughout the planning horizon due to the RAAs and MFLs. Groundwater is anticipated to meet increased future demands, ensuring that water use remains sustainable and that critical water bodies are protected from over-extraction.

3.3 Broward County Climate Action Plan

The Broward County Climate Action Plan presents another important regional consideration. The Broward County Climate Action Plan Water Supply Actions are intended to maintain adequate water supply through conservation and adaptation, development of decision support tools necessary to build community resilience and increase the resilience of natural systems through integrated water resource management.

The eleven proposed actions outlined in the Broward County Climate Action Plan include:

- Continuing local water conservation programs
- Including climate change considerations in updates of the Lower East Coast Plan
- Investigating the regionalization of water supply
- Monitoring and protecting wellfields
- Developing alternative water supply strategies
- Modeling the sustainable use of the aquifer
- Evaluating impacts of flooding of contaminated sites
- Evaluating reuse water interaction with and impacts to the natural systems
- Implementing reuse strategies
- Evaluating reuse considering sea level rise
- Increasing the percentage of pervious areas

The City of Miramar aims to plan and implement adaptation strategies for short- and long-term climate change events and impacts in coordination with Broward County. This demonstrates the City's recognition of and alignment with the regional efforts outlined in the Broward County Climate Action Plan.

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Section 4: Data and Analysis

The City of Miramar's 2020 Water Supply Facilities Work Plan (2020 Work Plan) established a framework of strategies to address the City's water demand and outline necessary improvements. This 2025 Work Plan will further address the City's evolving water needs by incorporating updated population projections and water demand analysis to reflect the current conditions in 2025.

4.1 Maps of Current and Future Areas Served

The City of Miramar's East and West WTPs currently service nearly all customers within its limits, except for a small portion in the northeast served by Broward County Water and Wastewater Services (BCWWS) and a portion of Country Club Ranches served by domestic self-supply systems. Figure 2 is a map of the water service area served by the City of Miramar, showing the City's corporate limits and major utility facilities within The City of Miramar's boundaries. Further discussion of the water service area and the City's plan to integrate Country Club Ranches will be provided in the following section.

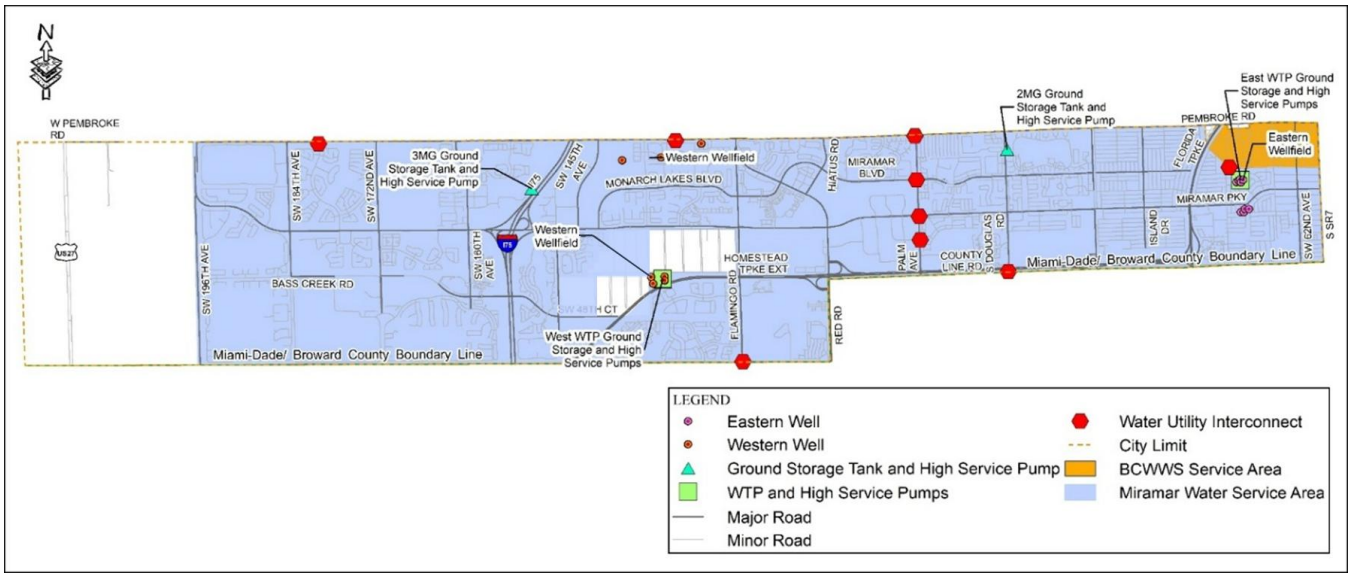


Figure 2. 2025 City of Miramar Water Service Area

4.2 Domestic Self-Supply Systems

Some parts of Country Club Ranches, located between Miramar Pkwy and SW 48th Ct, S Flamingo Rd and SW 148th Ave are currently served by domestic self- supply systems rather than the municipal potable water system. The City is planning a seven-phase integration of the Country Club Ranches area into its potable water service area through 2035:

- Phases 1–3, located within public rights-of-way, are scheduled for near-term completion and present no access constraints.
- Phases 4–7 are located along private roads and therefore cannot proceed until the City secures easement agreements from the affected property owners.

No ordinances or separate service agreements are planned; rather, the conveyance of easements will serve as the necessary authorization for access, construction, operation, and maintenance of future utility infrastructure. Full implementation across all seven phases by 2035 position the City to transition the

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remaining self-supplied properties to reliable municipal service, but full build-out of the Country Club Ranches potable water system can only be achieved once the private-road easements are secured to allow the final phases to move forward.

4.3 Population Projections

An updated population projection is included in this report to improve forecasting of water demand following growth trends observed since the 2020 Water Supply Facilities Work Plan. The population projections for the City of Miramar are based on the Bureau of Economic and Business Research (BEBR) *Projections of Florida Population by County, 2025–2050, with Estimates for 2024,* (published Aug 2025). Additional data inputs include the 2020 Census and TAZ figures from Broward County's 2024 Population Forecast and Allocation Model (2024 PFAM).

The 2024 PFAM model integrates BEBR 2022 data from the University of Florida to project population, dwelling units, and households for the years 2025 through 2050 in five-year increments, allocating these estimates to Broward County's 2020 TAZs.

Figure 3 illustrates the City of Miramar Water Service Area. Projected population within this service area and anticipated future water demand were determined using Broward County's 2024 PFAM TAZ data and 2020 Census information. This section outlines the methodology employed to project the population of the City of Miramar's WSA for the period 2020–2050.

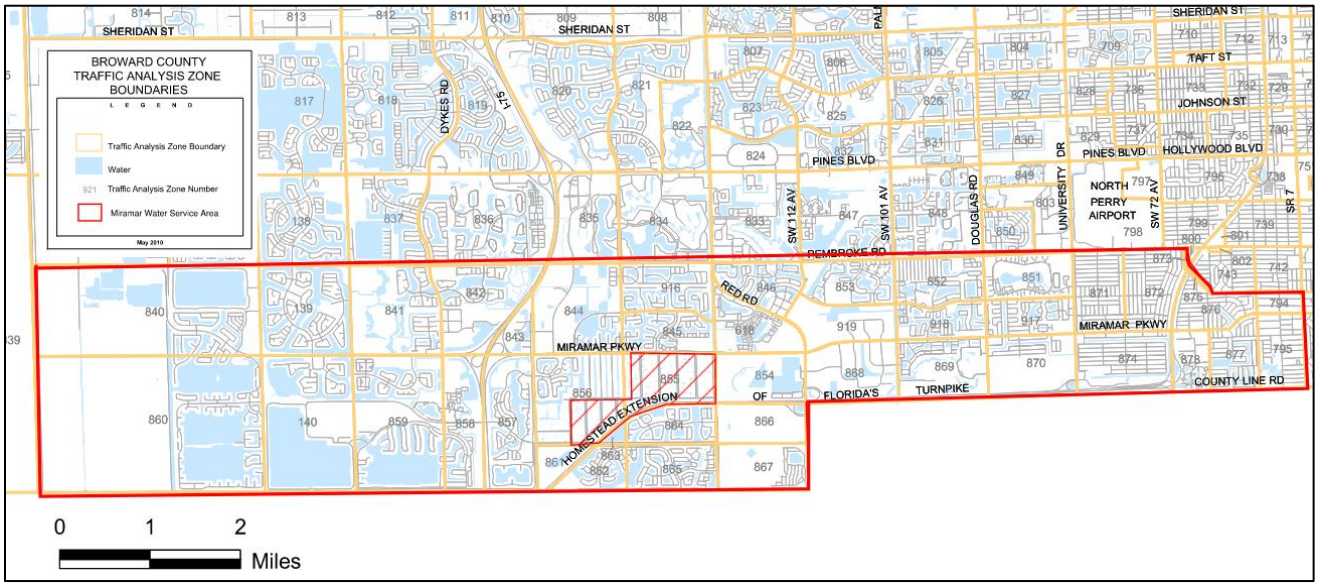


Figure 3. City of Miramar Water Service Area Map with Traffic Analysis Zones (TAZ), 2025

Note: The figure above shows the City's 2025 water service area. Full coverage is expected for Parcel 855 by 2035 and for Parcel 856 by 2026.

Broward County and City of Miramar Population Projections

The foundation of the water demand analysis for the City of Miramar begins with county-level population projections. As shown in Table 1, the BEBR provides Low, Medium, and High scenarios for Broward County's population through 2050.

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Table 1. Broward County Population Projections (Aug 2025 BEBR)							
Scenario	2020*	2025	2030	2035	2040	2045	2050
Low	1,944,375	1,948,200	1,948,200	1,919,500	1,880,800	1,837,700	1,795,100
Medium	1,944,375	1,998,100	2,065,900	2,112,900	2,145,800	2,169,700	2,189,100
High	1,944,375	2,048,100	2,183,700	2,306,200	2,410,800	2,501,600	2,583,100

**The 2020 value is the same for all scenarios, reflecting the Census baseline.*

The 2020 value is the same for all scenarios, reflecting the Census baseline. Scenario selection for planning should consider observed growth rates and alignment with actual recent trends. To estimate the City of Miramar's population for each projection year, a fixed share percentage is applied to the Broward County population projections. This fixed share is derived by dividing the City of Miramar's population in 2020 Census (134,721) by Broward county's total population (1,944,375) in 2020 BEBR. A fixed share of 6.93 percent was obtained. This percentage was then applied to each year's Broward County population projection under the Low, Medium, and High scenarios to estimate the City of Miramar's corresponding population for those years. Table 2 presents these projected populations for the City of Miramar under each scenario, along with the percentage change from the previous period (e.g., 2025 vs. 2020, 2030 vs. 2025, etc.).

Table 2. The City of Miramar's Population Projections and Percentage Change (Aug 2025 BEBR)							
Scenario	2020	2025	2030	2035	2040	2045	2050
Low	134,721	134,986	134,986	132,997	130,316	127,330	124,378
% Change from Previous Period		*0.20%*	*0.00%*	*-1.47%*	*-2.02%*	*-2.29%*	*-2.32%*
Medium	134,721	138,443	143,141	146,398	148,677	150,333	151,677
% Change from Previous Period		2.76%	3.39%	2.28%	1.56%	1.11%	0.89%
High	134,721	141,908	151,303	159,791	167,038	173,330	178,977
% Change from Previous Period		5.33%	6.62%	5.61%	4.54%	3.77%	3.26%

Notes:

a. *All values represent projected population for the City of Miramar, based on BEBR August 2025 estimates.*

b. *The 2020 value is the same for all scenarios, reflecting the Census baseline.*

To further assess the City's population projection, the Medium/High scenario is presented separately below in Table 3. This scenario was developed to reflect recent growth trends observed between Census 2020 and the BEBR 2025 Estimate for the City of Miramar (134,721 in 2020 to 140,807 in 2025, or a 4.52 percent increase). This rate is higher than the Medium scenario's 2020-2025 rate (2.76 percent) and closer to the High scenario's (5.33 percent). The Med/High scenario combines Medium and High projections using a factor aligned with the observed 2020– 2025 increase, applied consistently through 2050. Including Med/High scenario provides an additional planning lens to evaluate which projection best represents future demand for the City's long-term planning.

Table 3. The City of Miramar's Population Projections – Med/High Scenario (Aug 2025 BEBR)							
Year	2020	2025	2030	2035	2040	2045	2050
% Change from Previous Period		*4.52%*	*5.59%*	*4.40%*	*3.40%*	*2.72%*	*2.32%*
Medium/ High	134,721	140,807	148,673	155,213	160,488	164,858	168,676

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Water Service Area Population and Traffic Analysis Zone (TAZ) Methodology

To ensure that water demand projections accurately reflect only those residents served by the City of Miramar's potable water system, this analysis employs a WSA population methodology based on TAZs as reported by the 2024 PFAM. TAZs are geographic units used for planning and modeling, allowing for a more accurate delineation of service boundaries within the City.

The process begins by identifying all TAZs that fall within the City's jurisdiction. Not all of these are included in the WSA. Specifically, TAZs 742 and 743 are excluded from the WSA population because they are served by Broward County Water and Wastewater Services (BCWWS). For TAZs that are classified as Domestic Self Supply parcels, most notably TAZ 855 and TAZ 856, a connection phasing approach is applied. This means that only a portion of the population in these TAZs is counted as being served by the City in each projection year, based on the anticipated schedule for connecting these areas to the municipal water system. For example, TAZ 855 transitions from 0 percent connected in 2020 to 12 percent in 2025, 50 percent in 2030, and 100 percent in 2050; while TAZ 856 moves from 65.2 percent connected in 2020, to 90 percent in 2025, and 100 percent in 2026 and beyond.

For each year, the population in these TAZs is multiplied by the connection percentage to determine the portion served by the City. This approach ensures that the WSA population reflects only those residents who are, or will be, directly supplied by the City's potable water system, and that the transition of self-supplied parcels to City service is accurately phased in over time.

The result of this methodology is a refined WSA population that is a subset of the City of Miramar's total jurisdictional population. This relationship is quantified in Table 4.

Table 4. The City of Miramar's Water Service Area Population Projections (Aug 2025 BEBR)

Scenario	2020	2025	2030	2035	2040	2045	2050
WSA/City's Jurisdiction (%)	**95.79%**	**96.29%**	**96.64%**	**96.64%**	**96.55%**	**96.55%**	**96.56%**
Low	129,052	129,981	130,454	128,534	125,820	122,937	120,094
Medium	129,052	133,310	138,335	141,484	143,547	145,147	146,453
Med/High	129,052	135,586	143,681	150,004	154,951	159,170	162,867
High	129,052	136,646	146,223	154,428	161,275	167,350	172,812

Notes:

a. *All values represent projected population for the City of Miramar's WSA, based on BEBR August 2025 estimates.*
b. *The Med/High scenario is specifically calibrated to match observed growth between Census 2020 and BEBR 2025.*
c. *The 2020 value is the same for all scenarios, reflecting the Census baseline.*

The first row shows the percentage of the City's jurisdictional population included in the WSA for each projection year. These percentages, which range from approximately 95.8 percent to 96.6 percent, reflect the combined effects of TAZ inclusions, exclusions, and connection phasing. The subsequent rows present the projected WSA population under each scenario (Low, Medium, Med/High, and High). Figure 4 illustrates all four population projection scenarios for the City's WSA.

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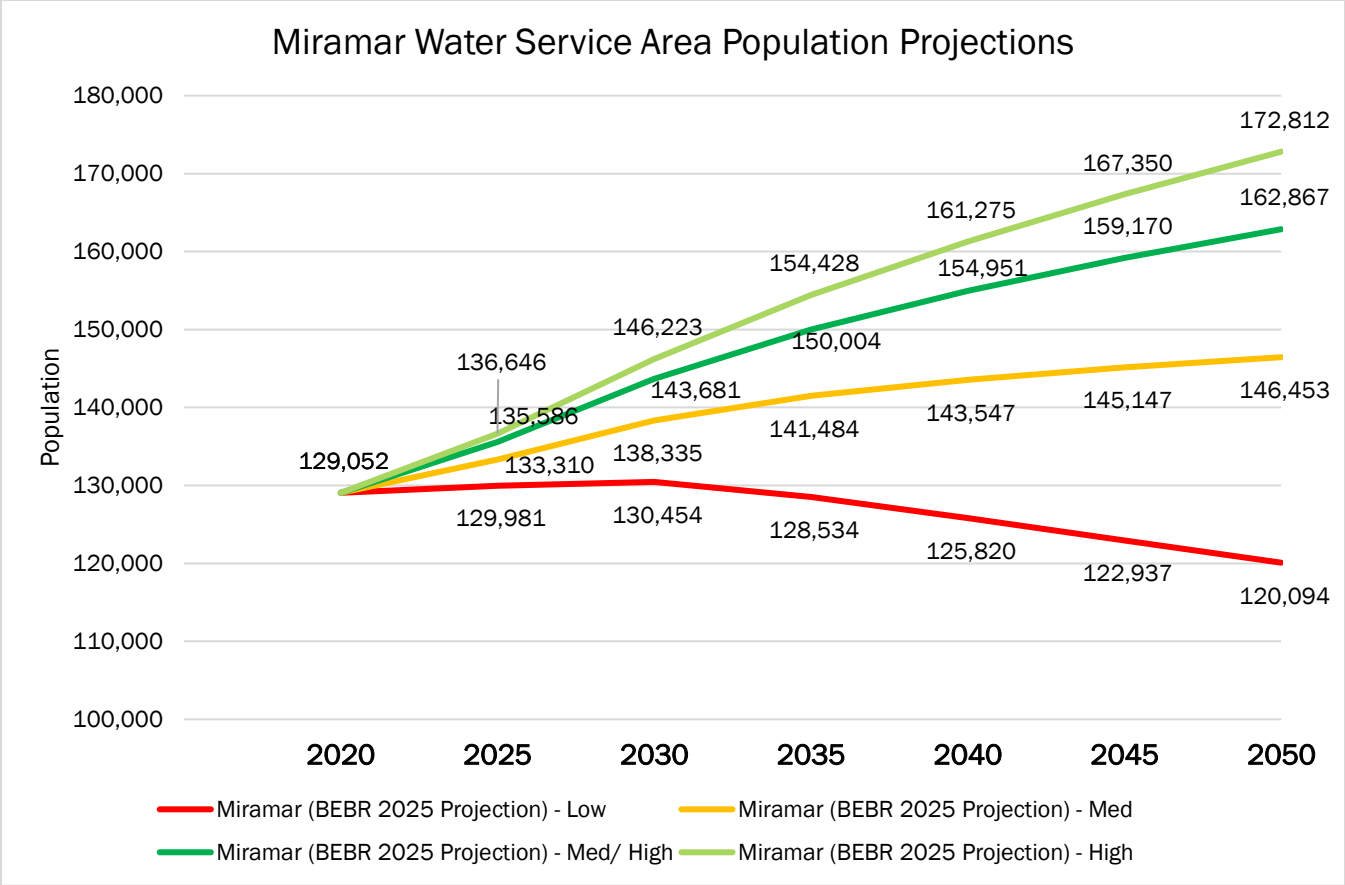


Figure 4. The City of Miramar's WSA Population Projections (Aug 2025 BEBR)

It should be noted that the Low and Medium scenarios were excluded from the demand projections discussed in the following subsection, as their growth assumptions do not adequately represent recent population trends within the City of Miramar. In order to ensure that planning is based on realistic and future-oriented conditions, only the Med/High and High scenarios were selected for further evaluation.

4.4 Potable Water Demand Projection

Accurate water demand projections are essential for long-term planning and infrastructure investment. To determine the most accurate projection for the City of Miramar WSA, anticipated major developments within the City were reviewed. Table 5 summarizes major future developments within the City of Miramar with completion date between 2024 and 2037.

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Table 5. The City of Miramar's Development Water Demand Summary								
Project Name	Status	Completion	Multi-Family (Unit)	Hotel (Room)	Retail (sq ft)	Office (sq ft)	Total gpd	Total MGD
			300 gpd per unit	*100 gpd per room*	*2.5 gpd per sq ft*	*0.1 gpd per sq ft*		
Miramar Station	Under Construction	2024-2025	648	0	25,675	0	258,588	0.259
Alfredo Martin Apartments	Under Construction	2026	8	0	0	0	2,400	0.002
Residences at Foxcroft Cove	Permit Expected in 2026	2027-2028	84	0	0	0	25,200	0.025
Countyline Shopping Plaza Expansion	Under Construction	2026	0	0	9,187	0	22,968	0.023
WSVN 7	Permit expected in 2025	2026	0	0	0	71,272	7,127	0.007
Dunkin Donuts	Permit expected in 2025	2026	0	0	1,130	0	2,825	0.003
Parc Place (Wellman Field Townhomes)	Permit submitted 2025	2027-2028	62	0	0	0	18,600	0.019
Fairfield Inn/Townplace Suites Dual Hotel	Permit expected in 2026	2027-2028	0	160	0	0	16,000	0.016
Vista Miramar (Najibe Gardens East)	Under permitting	2026-2027	16	0	0	0	4,800	0.005
Najibe Gardens Contemporary West	Under permitting	2026-2027	18	0	0	0	5,400	0.005
G10 Apartments	Under permitting	2026-2027	9	0	0	0	2,700	0.003
Bickford Perez Townhomes	Under construction	2026	6	0	0	0	1,800	0.002
Miramar Cove (the Park MPC Phase VI)	Permit Expected in 2026	2027-2037	2,874	185	337,317	125,354	1,736,530	1.737
Lakeside Promenade-Mixed use	Permit expected in 2026	2028-2029	314	0	25,097	0	156,942	0.157
Memorial Emergency	Under permitting	2026	0	0	0	16,958	1,696	0.002
El Car Wash Miramar II	Under permitting	2026	0	0	4,150	0	10,375	0.010
Forzano Park Community Center	Under permitting	2028	0	0	0	8,489	849	0.001
New Quadruplex in TOC	Permit expected in 2026	2027-2028	4	0	0	0	1,200	0.001
River Run Shopping Center Publix Redevelopment	DRC Submittal expected in 2026	TBD	0	0	46,791	0	116,978	0.117
Emmanuel Apostolic Church - 15-unit Apartment Building	DRC Submittal expected in 2026	TBD	15	0	0	0	4,500	0.004
							TOTAL	**2.397**

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The City's major anticipated development projects include multi-family residential units, hotel rooms, retail, and office spaces, many of which are already under construction or in advanced permitting stages. Collectively, they represent a significant increase in water demand that will shape the City's long-term planning.

The estimated demand was calculated using the following water use factors: 300 gallons per day per (gpd) multi-family unit, 100 gpd per hotel room, 2.5 gpd per square foot (sq ft) of retail, and 0.1 gpd per sq ft of office space. Applying these factors to each project's size yields a combined demand of approximately 2.4 MGD.

Water Service Area Water Demand Analysis

Table 6 compares GPCD calculations for the Med/High and High growth scenarios side by side. It includes annual population, finished water (in MGD), and GPCD values for 2020– 2025. Population values for 2021–2024 were interpolated between the 2020 and 2025 projections, assuming a consistent year-to-year increase.

Table 6. Historical Finished Water Production and GPCD (2020–2025)

Year	Med/High Population	FW (MGD)	GPCD	High Population	FW (MGD)	GPCD
2020	129,052	13.19	102.24	129,052	13.19	102.24
2021	130,359	13.53	103.83	130,571	13.53	103.66
2022	131,666	13.68	103.88	132,090	13.68	103.55
2023	132,973	15.00	112.83	133,609	15.00	112.30
2024	134,279	16.12	120.04	135,127	16.12	119.29
2025	135,586	16.22	119.66	136,646	16.22	118.73

Each scenario applies three planning lenses derived from historical per capita water use (in GPCD):

- Past 5-Year Average, representing a moderate baseline.
- Past 3-Year Average, reflecting recent consumption trends.
- Past 2-Year Average, providing a conservative estimate for the most recent trends seen in 2024 and 2025.

The summary of historical GPCD averages for both scenarios is provided in Table 7 to support demand projection assumptions.

Table 7. GPCD Summary Statistics for Med/High and High Scenarios

Scenario	Past 5-Year Avg (2021–2025)	Past 3-Year Avg (2023–2025)	Past 2-Year Avg (2024–2025)
Med/High	112.05	117.51	119.85
High	111.50	116.77	119.01

While the Past 5-Year and 3-Year averages provide broader historical context, they tend to dilute recent consumption trends by incorporating older data. In contrast, the Past 2-Year average reflects the most current usage patterns and operational realities, including higher demand observed in 2024 and 2025. These recent conditions are more representative of future expectations, particularly under growth scenarios. Moving forward, demand projections will adopt the Past 2-Year GPCD average to help maintain alignment

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with current trends and provide a conservative basis for long-term planning, consistent with Subsection 2.3.2.F.3 of the SFWMD Applicant's Handbook for Water Use Permit Applications (2022). This subsection notes that historical demand patterns may not always be suitable for projection purposes, and alternative per capita approaches should be considered when appropriate.

To estimate future demand projection, finished water demands were derived by applying the selected GPCD values to projected populations. Raw water demand was then calculated assuming an 80 percent recovery rate typical of reverse osmosis treatment systems, using the formula: Raw Water Demand = Finished Water Demand × 1.25.

Med/High Scenario

Under the Med/High growth scenario, population is expected to increase from 129,052 in 2020 to 162,867 by 2050. Finished water demand based on the Past 2-Year GPCD average rises steadily from 15.47 MGD in 2020 to 19.52 MGD by 2050. Corresponding raw water demands, assuming an 80 percent recovery rate for reverse osmosis treatment, increased from 19.33 MGD to 24.40 MGD over the same period. These projections highlight the need for incremental capacity expansion and efficiency measures to accommodate sustained growth. Table 8 summarizes the projected population, finished water, and raw water demands under the Med/High growth scenario.

Table 8. Projected Demand – Med/High Scenario

Category	Metric	2020	2025	2030	2035	2040	2045	2050
Population	Med/High	129,052	135,586	143,681	150,004	154,951	159,170	162,867
Finished Water (MGD)	Past 2-Year Avg GPCD	15.47	16.25	17.22	17.98	18.57	19.08	19.52
Raw Water (MGD) ×1.25	Past 2-Year Avg GPCD	19.33	20.31	21.53	22.47	23.21	23.85	24.40

High Scenario

Under the High growth scenario, population is projected to increase from 129,052 in 2020 to 172,812 by 2050. Finished water demand based on the Past 2-Year GPCD average increases from 15.36 MGD in 2020 to 20.57 MGD in 2050, while raw water demand (assuming 80% recovery) grows from 19.20 MGD to 25.71 MGD. These projections underscore the need for proactive planning and capacity enhancements to maintain service reliability under accelerated growth conditions. Table 9 summarizes the projected population, finished water, and raw water demands under the High growth scenario.

Table 9. Projected Demand – High Scenario

Category	Metric	2020	2025	2030	2035	2040	2045	2050
Population	High	129,052	136,646	146,223	154,428	161,275	167,350	172,812
Finished Water (MGD)	Past 2-Year Avg GPCD	15.36	16.26	17.40	18.38	19.19	19.92	20.57
Raw Water (MGD) ×1.25	Past 2-Year Avg GPCD	19.20	20.33	21.75	22.97	23.99	24.90	25.71

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Determining the Appropriate Planning Scenario

The Med/High scenario, based on the most recent GPCD data, projects a finished water demand increase of approximately 2.32 MGD, from 16.25 MGD in 2025 to 18.57 in 2040. This forecast nearly aligns (within 3%) with the City's conservative estimate for major anticipated developments, which predicts a 2.4 MGD increase from 2024 to 2037 (See Table 5 for details). This alignment supports the selection of the Med/High scenario as a basis for long-term planning. Consequently, it is advisable to adopt the Med/High population track in combination with the Past 2-year Med/High GPCD metric, for long-term planning purposes. This approach:

- Reflects current trends and conservative planning
- Guides infrastructure, treatment, and resource planning
- Reduces risk of shortages without overbuilding
- Remains consistent with Subsection 2.3.2.F.3, which allows alternative per-capita methods when historical demand patterns are not suitable for projections.

Source Allocation: FAS and Biscayne Aquifer Splits

To meet projected raw water demand under the Med/High scenario, supply is allocated between the Floridan Aquifer System (FAS) and the Biscayne Aquifer (BA), which includes Western and Eastern wellfields. Table 10 presents the allocation for each source and the total raw water demand for each planning year. These splits are calculated using the Past 2-Year Average GPCD lens, consistent with the conservative approach adopted for long-term planning.

FAS allocation increases over time to meet projected demand beyond Biscayne capacity, which is held constant at current permitted levels (10.15 MGD for BA Western and 5.00 MGD for BA Eastern). The FAS values represent incremental supply required as total demand grows.

Table 10. FAS and Biscayne Aquifer Splits (Average Day MGD, Based on Med/ High Sce. Past 2-Year Avg GPCD)

Source	2020	2025	2030	2035	2040	2045	2050
FAS	4.18	5.16	6.38	7.32	8.06	8.70	9.25
BA Western	10.15	10.15	10.15	10.15	10.15	10.15	10.15
BA Eastern	5.00	5.00	5.00	5.00	5.00	5.00	5.00
TOTAL RAW WATER	19.33	20.31	21.53	22.47	23.21	23.85	24.40

Notes:

a. *FAS: Floridan Aquifer System allocation (MGD) increases over time to meet projected demand not met by Biscayne allocations.*
b. *BA Western / BA Eastern: Biscayne Aquifer allocations are held constant at current permitted levels.*
c. *Basis: These splits are calculated using the average of the past 2 years (2024–2025) GPCD.*
d. *The FAS value represents the incremental supply needed as total demand grows beyond Biscayne capacity.*

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Raw Water Demand vs. Permitted Allocation

Table 11 and Figure 5 present a comparison between projected raw water demand and the City's annual permitted allocation. The current allocation of 21.72 MGD remains fixed through February 2054 (permit expiration) This analysis indicates that, under a medium/high population growth scenario and assuming the GPCD remains at approximately 119.85, demand is expected to surpass the allocation between 2030 and 2035.

Table 11. Raw Water Demand vs. Annual Permitted Allocation (MGD)

Year	2020	2025	2030	2035	2040	2045	2050
Raw Water Based on Med/ High Sce. 2 Year Avg GPCD (119.85)	19.33	20.31	21.53	22.47	23.21	23.85	24.40
Annual Permitted Allocation (Exp. Feb 2054)	21.72						

Notes:

a. *Raw water demand is calculated using the past 2-year average GPCD (119.85).*

b. *Annual permitted allocation is fixed at 21.72 MGD through February 2054 (Permit Expiration).*

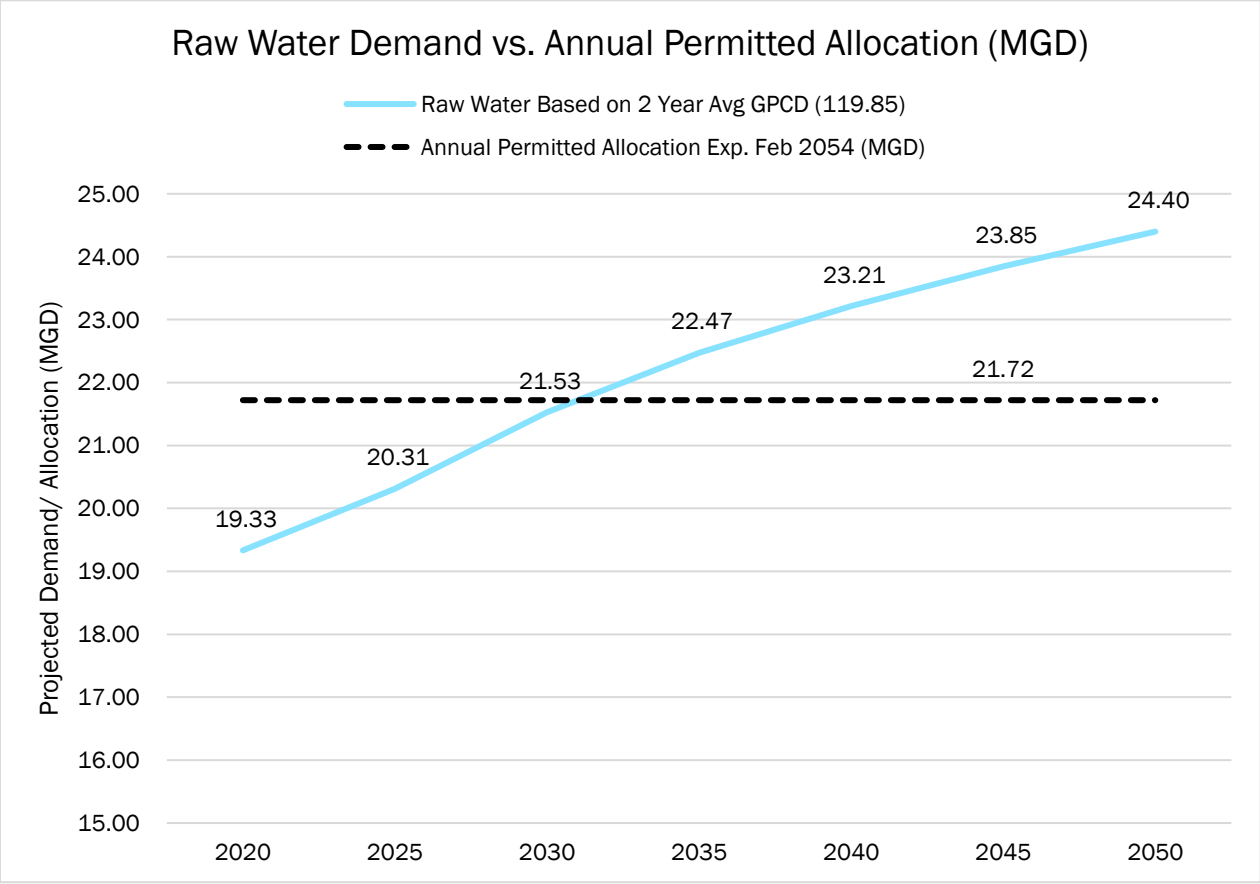


Figure 5. The City of Miramar's Raw Water Demand vs. Annual Permitted Allocation (MGD)

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4.5 Water Sources

The City of Miramar's public water supply is authorized under Permit Number 06-00054-W, issued by the SFWMD on February 28, 2024. This permit is valid for 30 years and is scheduled to expire in 2054. The system is designed to provide sustainable and reliable water sources for the City's residents. The permitted water sources consist of groundwater drawn from two primary sources: the Biscayne Aquifer and the Floridan Aquifer System. See Exhibits 2, 3A, and 3B in Attachment A for permitted well locations.

Biscayne Aquifer

The City of Miramar currently has eight existing wells in the Biscayne Aquifer, with four wells in the Eastern Wellfield and four wells in the Western Wellfield. The Biscayne Aquifer is a highly permeable section of the surficial aquifer system in Broward County. It serves as a significant groundwater source for the City of Miramar. The annual allocation from the Biscayne Aquifer varies depending on the permit conditions:

During the 5-Year Temporary Allocation, the maximum annual allocation from the Biscayne Aquifer is set at 6,442.25 million gallons (MG), which translates to 17.65 MGD. The maximum monthly allocation during this period is 568.75 MG. The Western Wellfield is allocated 3,704.75 MG annually (10.15 MGD) and 327.07 MG monthly, while the Eastern Wellfield is allocated 2,737.5 MG annually (7.5 MGD) and 241.68 MG monthly. This temporary allocation period allows the City to meet immediate water demands while expanding its alternative water source and infrastructure.

After the 5-Year Temporary Allocation expires, the maximum annual allocation from the Biscayne Aquifer will be reduced to 5,529.75 MG (15.15 MGD), and the maximum monthly allocation reduced to 488.19 MG. The Western Wellfield maintains its annual allocation of 3,704.75 MG (10.15 MGD) and monthly allocation of 327.07 MG, while the Eastern Wellfield's annual allocation is reduced to 1,825.00 MG (5.0 MGD) and monthly allocation to 161.12 MG.

Special Permit Condition 25 is a regulatory requirement that allows the City to enhance its water allocation from the Biscayne Aquifer under certain conditions. This specific condition will grant the City an increased allocation from the West Wellfield (surficial) when reclaimed water irrigation demand increases to a minimum of 4.0 MGD.

Upon satisfaction of Special Permit Condition 25, the maximum annual allocation from the Biscayne Aquifer increases to 5,737.80 MG (15.72 MGD), and the maximum monthly allocation increases to 506.56 MG. The Western Wellfield's annual allocation increases to 3,912.80 MG (10.72 MGD) and monthly allocation to 345.44 MG, while the Eastern Wellfield's annual allocation remains at 1,825.00 MG (5.0 MGD) and monthly allocation at 161.12 MG.

Floridan Aquifer System

There are two existing wells in the Floridan Aquifer System, and seven additional wells are planned. The Floridan Aquifer System is classified as an alternative water supply by the SFWMD and it is another important groundwater source for the City of Miramar. It is confined aquifer that is separated from the surficial aquifer system by a thick layer of low-permeability sediments. The annual allocation from the Floridan Aquifer System is set at 2,996.65 million gallons (MG), which translates to 8.21 MGD, with a maximum monthly allocation of 264.56 MG.

4.6 City of Miramar Interconnects

The City of Miramar has established several interconnects (refer to Figure 2) with neighboring utilities. These interconnects provide additional sources of water during emergencies and help maintain service continuity. The City has three interconnects with the City of Pembroke Pines along Pembroke Road: one at Palm Avenue, one at 136th Avenue, and one at SW 178th Avenue. Additionally, there is an interconnect with

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Broward County located at 25th Street and 68th Avenue, which provides emergency service to the eastern service area from Broward County's District 3B storage and booster pump facility. Furthermore, the City has an interconnect with the Miami Dade Water and Sewer Department (MDWASD) that was constructed in 2008.

These interconnects play an important role in enhancing the resilience and reliability of the City's water supply system. They allow for the transfer of water between different jurisdictions, ensuring that the City can meet its water demands even during unforeseen circumstances. The interconnects also facilitate cooperation and resource sharing among neighboring utilities, contributing to the overall stability and sustainability of the regional water supply network.

4.7 Potable Water Level of Service Standard

Since the development of the western service area, the City has adopted a level of service standard of 325 gallons per day (gpd) per Equivalent Residential Connection (ERC). This level of service continues to be representative of the current residential usage, of which the persons per household continues to remain steady at approximately 3.05, based on City and US Census statistics.

4.8 Water Conservation Plan

The City of Miramar prioritizes water conservation as a fundamental aspect of its sustainability initiatives. As part of its goal to promote water conservation, the City adheres to a Standard Water Conservation Plan that aligns with the guidelines provided in the SFWMD Applicant’s Handbook for Water Use Permit Applications. The City's plan incorporates five key elements: a water conservation public education program, an outdoor water use conservation program, a water conservation rate structure, an indoor water conservation program, and a water loss reduction program if water losses exceed 10 percent. Table 12 summarizes the City’s Water Conservation Programs.

Water Conservation Public Education Program

Educating the City's water customers about water conservation measures and their associated benefits is a continuous effort and priority for the City of Miramar. The City will continue its existing education initiatives, which are designed to raise awareness and engage customers through various channels. Engagement is fostered through a combination of passive and active methods, such as distributing informative literature, posters, and pamphlets in public spaces, directly communicating with customers via public service announcements, and utilizing online tools to educate water consumers on water conservation opportunities.

Specific initiatives include public service announcements in the annual Consumer Confidence Report, community outreach through events like the Wyland National Mayor's Challenge and Earth Day Festival, and educational programs such as the Drop Savers Poster Contest and KPOW (Kids and the Power of Work) program. The City also promotes water conservation through its TV channel, Miramar TV, and integrates art into public spaces to encourage residents and visitors to appreciate and engage with the message of water conservation in a visually compelling manner.

Outdoor Water Use Conservation Program

The City enforces various ordinances and conditions of service to regulate lawn and landscape irrigation, promote Florida-Friendly landscaping principles, and address automatic landscape irrigation systems. Key elements of The City of Miramar’s outdoor water use program include ordinances limiting lawn and landscape irrigation, adherence to Florida-Friendly landscaping principles, and the requirement of rain sensor overrides for new lawn sprinkler systems.

The City’s Code of Ordinances restricts irrigation supply to non-potable sources, such as reclaimed water (RW), where available. Additionally, the City limits irrigation of established landscapes to specific days and

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times under certain conditions, but there are no usage restrictions for RW imposed by the City or the SFWMD. Furthermore, the City requires the installation of rain sensors on new irrigation systems to prevent overwatering and promote efficient water use.

Water Conservation Rate Structure

The City utilizes a water conservation rate structure designed to incentivize water conservation among consumers. The rates increase as water usage volumes increase, encouraging efficient water use. This tiered rate structure promotes responsible water consumption and conservation practices. For example, the water rate per 1,000 gallons increases progressively for higher usage volumes, ensuring that consumers are mindful of their water consumption.

Indoor Water Conservation Program

The City partners with Broward County through the Conservation Pays Promotions to offer credits for replacing inefficient household plumbing fixtures with newer low-flow showerheads, retrofit fixtures, and low-flow toilets. Programs include a plumbing retrofit rebate program, a faucet aerator and showerhead giveaway program, and an indoor conservation element to the public education program for water conservation.

The City provides free water-efficient showerheads to residents with proof of residency and offers rebates for replacing old toilets with new WaterSense® certified High-Efficiency Toilets. These initiatives aim to educate and promote water consumers to practice indoor water conservation practices.

Water Loss Reduction Program

Non-Revenue Water (NRW) and the City of Miramar's Reduction Initiatives

NRW refers to the volume of water produced that doesn't result in billed revenue because it never reaches a customer's meter in a measurable way. NRW can be categorized into two primary types:

1. **Real Losses** refer to water that is lost from the distribution system due to physical issues such as leaking pipes, service line failures, and malfunctioning components. This type of loss represents actual water that is produced but does not reach consumers.
2. **Apparent Losses** involve water that is delivered to customers but is not accurately measured or billed. This can occur due to problems like meter under-registration, unauthorized consumption, data errors, or theft. While this water physically reaches the customers' premises, it does not generate revenue due to measurement inaccuracies or other issues.

To manage Non-Revenue Water (NRW) effectively, an asset management strategy is essential. Key measures include establishing District Metered Areas (DMAs) for better monitoring, utilizing leak detection technologies, and regularly replacing and calibrating customer meters for accuracy. Additionally, improving data capture and billing protocols enhances efficiency, while enforcing regulations against illegal connections protects the integrity of the water supply system. Together, these strategies form a great approach to reducing NRW and optimizing resource management.

City of Miramar's NRW Management Program

The City of Miramar is committed to reducing NRW through a multifaceted, data-driven program aligned with industry practices.

1. Leak Detection and Repair
   - The City has implemented routine leak detection surveys and launched a Water Leak Detection Program, identifying and repairing leaks throughout the distribution system.

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2. District Metered Areas (DMAs)
   - The City has established DMAs to measure the difference between water supply and customer consumption within specific zones, helping to detect anomalies and quantify savings from repairs.
3. Water Meter Replacement Program
   - To enhance metering accuracy, the City is renewing a significant number of water meters, including commercial meters, to improve billing accuracy and reducing apparent losses.
4. Leak Detection Technology
   - SmartBall® technology, combined with the Water Use Accountability Task Force, help detect and locate leaks and other issues within pipelines without causing service disruption, supporting proactive maintenance planning. This proactive approach is supported by collaboration with external vendors and contractors for pinpoint leak repairs and system assessments.
5. Sensus Pressure Profile System
   - The City has installed pressure sensors to monitor network pressure in real time, aiding in the prediction of leaks and flow anomalies. This sensor network will expand in the future, contributing to operational efficiency and sustainability goals.

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Through an integrated approach of smart technologies and targeted infrastructure investments, the City of Miramar is making significant progress in reducing NRW. These efforts are crucial for preserving water resources, enhancing the reliability of utility infrastructure, and ensuring financial sustainability for the future. The preliminary results of these diligent conservation efforts are evident in the reduced demand, particularly in 2025. Figure 6 illustrates the 2025 raw water demand trend, which shows a steady decline over time.

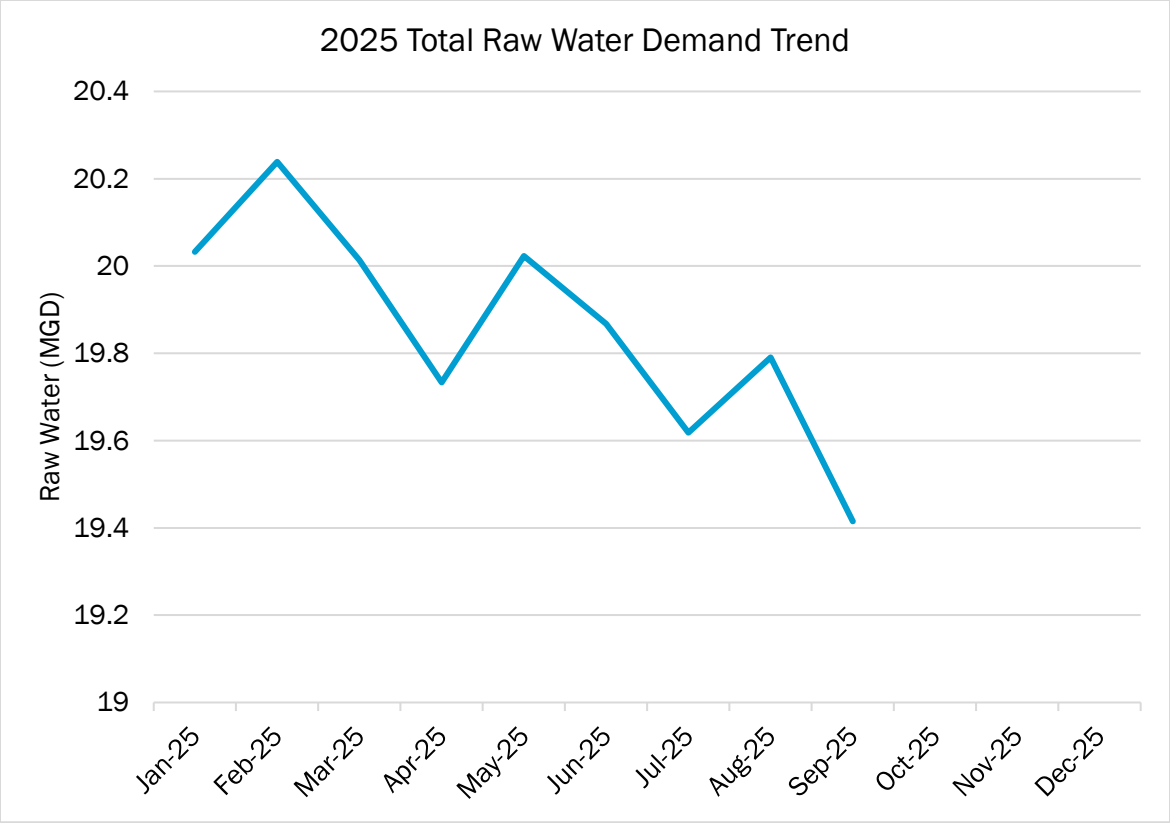


Figure 6. The City of Miramar's 2025 Raw Water Demand (MGD)

Forward-Looking Conservation Strategy

Over the 2025 to 2035 planning horizon, the City will strengthen its water conservation program through a series of forward-looking enhancements that build upon existing initiatives. The City plans to expand public education and outreach by increasing school participation, broadening community workshops, and enhancing digital and televised conservation messaging to promote long-term behavioral change. Fixture rebate offerings will be expanded to include additional high-efficiency indoor and outdoor devices, with added support for residents in older or disadvantaged neighborhoods. To reduce customer-side water loss, the City will introduce residential leak detection initiatives that include the distribution of toilet leak detection tablets and other simple diagnostic tools, accompanied by a new leak repair assistance program designed specifically for low-income households. The City will also reinforce compliance with its existing irrigation restrictions contained in the Code of Ordinances by increasing public awareness of allowable irrigation days and hours and by placing additional emphasis on the proper use of non-potable irrigation supplies and rain sensor requirements. Together, these enhancements will strengthen the City's overall conservation performance, support long-term water supply reliability, and contribute meaningfully to reducing future potable water demand.

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While current conservation initiatives and system improvements have helped slow the rate of potable water demand growth, evident in the declining trend shown in Figure 6, the City may still require additional water supply capacity by 2035 to meet projected needs. To prepare for this long-term demand, The City is proactively expanding AWS sources, increasing reclaimed-water substitution, implementing conservation and NRW reductions, and advancing capital improvements such as FAS well development and RO treatment upgrades. Section 5 presents the City's Capital Improvement Program.

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Table 12. Water Conservation Programs			
Water Conservation Program	**Frequency**	**Duration**	**Implementation Schedule/Details**
Public Service Announcements – Consumer Confidence Report	Annual	Annual	The City publishes the annual Consumer Confidence Report by July 1st each year.
Community Outreach – Water Conservation Month	Annual	A Month	The City has dedicated the month of April each year as the Water Conservation Month.
Community Outreach – KPOW (Kids and the Power of Work)	Weekly	Year-round	Volunteers conduct weekly on-site visits to schools within the City of Miramar to educate K-12 children on water conservation, among other topics.
Community Outreach – Wyland National Mayor's Challenge	Annual	A Month	Each year during the month of April, the City of Miramar and other cities across the United States participate in the annual Wyland National Mayor's Challenge for Water Conservation.
Community Outreach – Earth Day Festival	Annual	A Day	The City hosts the Earth Day Festival annually to encourage residents to take the water conservation pledge and educate consumers more about water conservation through interesting and interactive activities.
Community Outreach – Water Matters Day Festival	Annual	A Day	The City will partner with Broward County to co-sponsor the Water Matters Day festival. This event brings interactive educational booths and displays, a tree giveaway for Broward residents, food trucks, children's activities and more.
Community Outreach - Drop Savers Poster Contest	Annual	A Few Weeks	The City encourages schools within the City of Miramar to participate in this poster contest. Artworks are displayed through the month of March in the Commission Chambers, and winners are invited to receive prizes presented by the Mayor.
Public Exhibits – Art in Public Places Program (Mural)	Periodically	Year-round	The City periodically hosts mural contests where the artworks of selected artists are installed on the City's properties. Sustainability, including water conservation, is one of the themes of the contests.
Public Education – Year-Round Landscape Irrigation Conservation Measures (City's Website)	Year-round	Year-round	Always on the City's Website
Public Education – Water Conservation Information on Supplier's Website	Year-round	Year-round	Always on the City's Website
Rebates – Plumbing Retrofit Rebates	Year-round	Year-round	The City of Miramar is a partner of the Broward County Conservation Pays Program. This program offers plumbing retrofit rebates for up to $100. The City has dedicated a promotional page for this program on the City's website that is accessible to water consumers all year round. The City has also awarded prizes to residents for their involvement in this program. Between 2020 and 2022, a total of six rebates were awarded to the City of Miramar water customers with estimated savings of 139,011 gallons of water.
Faucet Aerator and Showerhead Giveaways	Year-round	Year-round	Between 500-1000 giveaways are issued annually
Meter Replacement	Year-round	Year-round	The City aims to replace over meters over the next 5 years, which started in 2024. As of May 2025, about 50% have been replaced with iPERL® meters, developed by Sensus (a Xylem brand), which are solid-state, ultrasonic smart water meters designed for high-performance, long-term measurement of residential water consumption.

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4.9 Water Reuse

The City of Miramar operates a well-established reclaimed water program that conserves potable water and supports sustainability. The City currently operates a 12.7 MGD Wastewater Reclamation Facility (WRF) permitted under FDEP Permit Number FLA017025, serving a mandatory reclaimed water service area that supplies reclaimed water at no cost to residential communities, institutions, and commercial properties.

To strengthen system reliability and expand availability, recent capital improvements increased reclaimed water treatment capacity from 4.0 to 7.5 MGD and extended reclaimed water transmission west of I-75 through phased treatment and transmission improvements totaling approximately $8.6 million. The reclaimed water distribution system expansion was completed in Spring 2025. As a result, the City has now the ability to treat, transmit, and deliver an additional 3.0 MGD of reclaimed water to new target customers in accordance with Interlocal Agreements with the City of Hollywood and Cooper City, supporting compliance with reuse mandates under the Ocean Outfall Legislation.

Although the City has established the capability to treat, transmit, and deliver reclaimed water to a larger customer base with significant irrigation demands, achieving actual reclaimed water utilization depends on target customers choosing to use reclaimed water instead of surficial groundwater supplies, connecting to the City's reclaimed water system, and making the internal distribution modifications needed to receive the reclaimed water.

To support customer usage of reclaimed water, the City continues proactive outreach to communities, HOAs, commercial users, and institutions, emphasizing operational reliability, irrigation benefits, and long-term cost savings. The City also collaborates with SFWMD, which supports and enforces reclaimed water use when it is available, particularly for new developments located within the service area. During domestic WUP renewals, SFWMD conducts an availability review and routinely requires permittees to connect to reclaimed water if service is available and will notify the City when a renewal applicant falls within the reclaimed water service area so coordination can occur.

Because the City distributes reclaimed water at no cost for customer usage, individual customer metering has been eliminated, reducing the cost and maintenance associated with maintaining meters that are not used for billing purposes. Instead, with the connection of each target customer and the retirement of their existing irrigation WUP, the usage presumed to equal the retired allocation will transfer to the City's benefit.

Together, these efforts position the City to maximize reclaimed water usage, reduce reliance on potable and groundwater supplies, and support a more resilient long-term water supply.

4.10 Intergovernmental Coordination Activities

The City of Miramar actively engages in intergovernmental coordination to ensure the effective management and sustainability of its water resources. This collaborative approach involves working closely with various local, regional, state, and federal agencies to address water supply, environmental protection, and infrastructure development.

Coordination with South Florida Water Management District

The City of Miramar collaborates with the SFWMD to meet permit requirements while also taking proactive measures to advance the goal of expanding the RW system. Through these efforts, the City aims to improve water infrastructure resilience and support long-term sustainability initiatives.

Regional Water Supply Planning and Engagement with Local Governments and Agencies

The City of Miramar also engages regionally by contributing to the distribution of RW and aligning with the requirements of water use permits, the LECWSP, and interlocal agreements. The City's involvement in these

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regional plans ensures future water supply needs are met while supporting alignment with broader regional goals. Furthermore, the City maintains interconnects with adjacent utility agencies such as Pembroke Pines, Broward County (BCWWS), and Miami-Dade Water and Sewer Department (MDWASD) for emergency service and as part of the regional water supply infrastructure.

Collaboration with Broward County

The City of Miramar works corporately with Broward County to provide RW service. This collaboration includes coordinating on the expansion of RW systems and engaging with Broward County to identify and connect new users. Additionally, the City of Miramar recognizes regional issues like sea level rise, saltwater intrusion, and extreme weather events as significant challenges affecting water resource management. The City coordinates with regional partners and is subject to initiatives such as the Broward County Climate Action Plan, integrating climate change considerations into water supply planning. The plan emphasizes water conservation, wellfield protection, and the beneficial use of reclaimed water. Furthermore, the City adheres to Broward County's Wellfield Protection Ordinance to safeguard its water supply sources from contamination.

Integration with Comprehensive Everglades Restoration Plan (CERP)

The Comprehensive Everglades Restoration Plan (CERP) is a major regional plan aimed at restoring Florida's Everglades. The CERP is a major regional plan aimed at restoring Florida's Everglades. CERP will achieve this by constructing additional water storage systems to capture wet season flow volumes. These systems will serve to meet the water needs of the natural system and also maintain public water supply. The City of Miramar anticipates that CERP features within Broward County and other SFWMD regions will collectively benefit local water supply sustainability throughout South Florida. The City aligns its water management practices with CERP's objectives, including the construction of additional water storage systems and the implementation of integrated resource management strategies. This coordination helps ensure the sustainability of local water supplies and contributes to the overall health of the Everglades ecosystem.

Public Education and Community Outreach

The City of Miramar actively engages in water conservation public education programs in partnership with Broward County. This outreach includes distributing water conservation literature in monthly water bills and making pamphlets available at the Utility Billing department. Additionally, City employees disseminate information at schools and public events and provide conservation kits containing water-saving devices. The overall aim of these efforts is to inform residents and businesses about the importance of water conservation. These efforts help raise awareness and engage residents in protecting and preserving water resources.

Compliance with Regulatory Requirements

The City of Miramar's water and wastewater infrastructure complies with all known requirements of various jurisdictional agencies. These include the FDEP which is the primary regulator of public water systems in Florida, ensuring the City's finished water meets federal and state primary standards. The City also adheres to the regulations of the Broward County Environmental Protection and Growth Management Department, the United States Army Corps of Engineers, the United States Environmental Protection Agency, the South Broward Drainage District, and operates under SFWMD Water Use Permit No. 06-00054-W. Furthermore, the City complies with its own Building and Engineering Departments, as well as construction right-of-way requirements from the Florida Department of Transportation and other Broward County entities and follows Broward County Code of Ordinances related to landscaping and irrigation.

Climate Change Adaptation and Resilience

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The City of Miramar recognizes the importance of integrating water supply and climate change considerations due to regional impacts like sea level rise, saltwater intrusion, and extreme weather events. The City of Miramar participates in the Southeast Florida Regional Climate Change Compact and uses a unified sea level rise projection for planning. The City's planning references the Broward County Climate Action Plan for water supply adaptation strategies, including conservation, wellfield protection, and alternative water supply development. The City of Miramar also monitors its aquifer for saltwater intrusion and acknowledges the potential need to relocate wellfields and diversify water sources to ensure long-term resilience in the face of increasing climate disruptions.

Section 5: Capital Improvements

5.1 Work Plan Projects

In recent years, the City of Miramar has recognized the need to upgrade and enhance its water treatment infrastructure to accommodate growth and ensure sustainability. As part of this commitment, the following tables provide an overview of the City's Capital Improvement Plan (CIP), detailing various projects aimed at achieving these goals. Each project is listed with its cost, a brief description, timeline, funding status, and anticipated funding source. The projects are divided into short-term (0-5 years), medium- term (5-10 years), and long-term (10-15 years) phases. The total cost reflects the cumulative investment required to ensure the City's water supply and treatment infrastructure remains adequately resourced. In general, cost estimates for short-term projects are typically more accurate due to their reliance on immediate requirements and existing conditions. Conversely, long-term projects necessitate periodic re- evaluation as the timeline advances. Such reassessments are essential to account for potential changes in market conditions, technological advancements, and other unforeseen factors that may impact the overall budget and feasibility of the project.

Table 13 provides an overall breakdown of all Capital Improvement Projects, which are organized into two primary classifications: Alternative Water Supply (AWS) and Non-AWS. AWS projects directly relate to increasing the City's drought-resistant water sources. This includes projects for the Floridan Aquifer Supply (FAS) wells and transmission, as well as any expansion or improvement of the Reverse Osmosis (RO) treatment system (e.g., chemical feeds, degasifiers, membrane replacements). Non-AWS projects include all other essential infrastructure work not meeting the specific AWS criteria. This category covers general facility upgrades, waste stream improvements, security enhancements, and non-RO specific chemical systems.

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Table 13. Capital Improvement Projects

Project	Description	Timeline	Estimated Cost (USD Millions)[4]	Funding Status	Anticipated Funding Source	Project Type
RO Process & Treatment Systems	RO feed pump & train, cartridge filters, CIP system, I&C, electrical upgrades	Short-Term	$15.91	Partially Funded	Local[1]	AWS
Source Development (Floridan Wells & Transmission)	New Floridan wells, sulfuric acid tank, degas sump downcommers	Short-Term	$18.85	Partially Funded	FDEP SRF[2], EPA WIFIA[3], Local	AWS
Chemical Systems & Water Quality Improvements	Sodium hypochlorite, fluoridation, phosphate/caustic, raw water blending	Short-Term	$2.53	Partially Funded	FDEP SRF, Local	Non-AWS
Waste Handling & Disposal	Force mains, reject pumps, scavenger piping	Short-Term	$26.52	Partially Funded	EPA WIFIA, FDEP SRF, FDEP Resiliency Grants, Local	Non-AWS
Facility & Structural Upgrades	East WTP facility upgrades, odor control, site security, high-service pumping	Short-Term	$7.18	Partially Funded	FDEP SRF, FDEP Resiliency Funding, Local	Non-AWS
Aeration & Degasification	Forced draft aeration/degasification	Short-Term	$2.73	Partially Funded	FDEP SRF, EPA WIFIA, Local	Non-AWS
Nanofiltration Trains 1–4 Refurbishment	Comprehensive NF train rehabilitation to improve treatment efficiency	Medium-Term	$28.35	Not Funded	EPA WIFIA, FDEP SRF, FDEP Resiliency Grant	Non-AWS
General Plant Improvements & Condition Assessment	SCADA, building, and infrastructure upgrades for system reliability	Long-Term	$6.75	Not Funded	FDEP SRF, EPA WIFIA	Non-AWS
General Facility & Process Upgrades (East WTP)	Facility-wide improvements at East Plant	Long-Term	$4.05	Not Funded	FDEP SRF, FDEP Resiliency Grant	Non-AWS
Ground Storage Tank	New finished water tank for FDEP storage compliance	Long-Term	$4.32	Not Funded	FDEP SRF, EPA WIFIA	Non-AWS
Floridan Aquifer Wells - Two Additional Wells including raw water conveyance system	Construct new wells and piping for additional brackish water supply	Short-Term	$25	Partially Funded	FDEP SRF, EPA WIFIA, Local	AWS
Replacement of Membrane Elements (West Plant)	Renewal of RO membranes to sustain performance every decade	Long-Term	$6.75	Not Funded	FDEP SRF, EPA WIFIA	AWS
General Facility & Process Upgrades (East WTP – additional)	Additional long-term rehabilitation at East Plant	Long-Term	$1.35	Not Funded	FDEP SRF	Non-AWS

Notes:

1. *Local Funding - means City of Miramar's Enterprise Fund*
2. *FDEP SRF - Florida Department of Environmental Protection - State Revolving Fund*
3. *EPA WIFIA - Environmental Protection Agency's Water Infrastructure Finance and Innovation Act*
4. *All costs are presented in estimated 2025 dollars. This was achieved by applying a compounded cost escalation factor, ranging from 25% to 35%, to the West Water Treatment Plant Capacity Expansion Preliminary Design Report cost estimates established in 2021.*

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Section 6: Goals, Objectives and Policies

The City of Miramar is evaluating the goals, objectives, and policies (GOPs) for its drinking water system as part of the 2025 Comprehensive Plan (see Attachment C). Potential revisions to the listed GOPs are noted in Attachment C.

The City of Miramar Comprehensive Plan relevant GOPs focus on maintaining and improving the water distribution and treatment systems to meet the needs of both current and future residents. It emphasizes sustainability, water conservation, and effective coordination with regional authorities.

Key Elements:

- **Water Supply and Distribution:** Maintain and update water supply plans, coordinate with Broward County, protect water quality, and improve infrastructure.
- **Water Treatment Capacity:** Expand and redevelop treatment facilities to meet future demands.
- **Water Conservation:** Implement water conservation measures and develop alternative water supplies.
- **Groundwater and Flood Protection:** Maintain standards for water management and coordinate with relevant authorities.
- **Sustainability:** Ensure long-term sustainability of water resources, considering climate change.
- **Coordination:** Integrate land use and water resource planning.

By focusing on conservation, capacity expansion, and coordination with regional partners, the plan aims to provide a resilient and reliable water supply for the community.

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Section 7: References

Broward County. (2024). *Population Forecast and Allocation Model (PFAM).* Broward County Planning Division.

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City of Miramar. (2021). *Capital Improvement Plan (CIP) and West WTP Capacity Expansion Preliminary Design Report.* City of Miramar Utilities Department.

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Florida Legislature. (2002–2016). *Florida Statutes: Chapters 163 and 373.* Tallahassee, FL

South Florida Water Management District (SFWMD). (2025). *Water Supply Facilities Work Plan Updates: Technical Assistance Guide.*

South Florida Water Management District (SFWMD). (2024). *Lower East Coast Water Supply Plan Update (2023–2024): Planning Document (Final).* West Palm Beach, FL.

South Florida Water Management District (SFWMD). (2022*). Applicant's Handbook for Water Use Permit Applications*, Section 2.3.2.F.3.

U.S. Census Bureau. (2020). *QuickFacts: Miramar city, Florida.* Retrieved from https://www.census.gov/quickfacts/miramarcityflorida

Attachment A: City of Miramar Existing Water Use Permit

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2025 Water Supply Facilities Work Plan_Feb 2026

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WATER USE INDIVIDUAL PERMIT

EXHIBIT B

APPLICATION NO: 230713-2 **PERMIT NUMBER:** 06-00054-W

DATE ISSUED: February 28, 2024 **EXPIRATION DATE:** February 28, 2054

PERMITTEE: CITY OF MIRAMAR
13900 PEMBROKE ROAD
MIRAMAR, FL 33207

PROJECT NAME: CITY OF MIRAMAR PUBLIC WATER SUPPLY

PROJECT LOCATION: Broward County, S26/T51S/R41E

PROJECT DESCRIPTION/AUTHORIZING:

The use of groundwater from the Floridan aquifer system and Biscayne aquifer for public water supply for the City of Miramar Service Area serving 150,145 persons in the year 2054 with an annual allocation of 7,927.91 million gallons.

This is to notify you of South Florida Water Management District's (District) agency action concerning Permit Application Number 230713-2, received July 13, 2023. This action is taken pursuant to Chapter 373, Part II, Florida Statutes (F.S.), Rule 40E-1.603 and Chapter 40E-2, Florida Administrative Code (F.A.C.). Based on the information provided, District rules have been adhered to and a Water Use Individual Permit is in effect for this project subject to:

1. Not receiving a filed request for an administrative hearing pursuant to Section 120.57, F.S. and Section 120.569, F.S., or a request for a judicial review pursuant to Section 120.68, F.S.
2. The attached 41 permit conditions.
3. The attached 11 exhibits.

By acceptance and utilization of the water authorized under this permit, the Permittee agrees to hold and save the District and its successors harmless from any and all damages, claims or liabilities that may arise by reason of the construction, maintenance or use of activities authorized by this permit. Should you object to the permit, please refer to the attached "Notice of Rights" that addresses the procedures to be followed if you desire a public hearing or other review of the proposed agency action. Should you wish to object to the proposed agency action or file a petition or request, please provide written objections, petitions, requests and/or waivers to: Office of the District Clerk, South Florida Water Management District, 3301 Gun Club Road, West Palm Beach, FL 33406, or by email to clerk@sfwmd.gov.

CERTIFICATION OF SERVICE

I HEREBY CERTIFY THAT this written notice has been mailed or electronically transmitted to the Permittee (and the persons listed in the attached distribution list) this 28th day of February, 2024, in accordance with Section 120.60(3), F.S. Notice was also electronically posted on this date through a link on the home page of the District's website (my.sfwmd.gov/ePermitting).

BY: Lisandra Jones

LISANDRA JONES

DEPUTY CLERK, SOUTH FLORIDA WATER MANAGEMENT DISTRICT

SPECIAL PERMIT CONDITIONS

EXHIBIT B

1. This permit is issued to:

   CITY OF MIRAMAR
   13900 PEMBROKE ROAD
   MIRAMAR, FL 33207

2. This permit shall expire on February 28, 2054.

3. Use classification is:

   Public Water Supply

4. Source classification is:

   Groundwater from:
   Biscayne Aquifer
   Floridan Aquifer System

5. Allocation:

   Total annual allocation is 7,927.91 million gallons (MG). (21.72 MGD).

   Total maximum monthly allocation is 699.92 million gallons (MG).

   By Source:

   During the 5-Year Temporary Allocation from Permit issuance date expiring 5 years after permit issuance:

   Maximum annual allocation from the Floridan Aquifer System shall not exceed 2,996.65 MG (8.21 MGD)

   Maximum annual allocation from the Biscayne Aquifer shall not exceed 6,442.25 MG (17.65 MGD)

   Maximum monthly allocation from the Floridan Aquifer System shall not exceed 264.56 MG

   Maximum monthly allocation from the Biscayne Aquifer shall not exceed 568.75 MG

   Upon Completion of the 5-Year Temporary Allocation:

   Maximum annual allocation from the Floridan Aquifer System shall not exceed 2,996.65 MG (8.21 MGD)

Maximum annual allocation from the Biscayne Aquifer shall not exceed 5,529.75 MG (15.15 MGD)

Maximum monthly allocation from the Floridan Aquifer System shall not exceed 264.56 MG

Maximum monthly allocation from the Biscayne Aquifer shall not exceed 488.19 MG

By Wellfield:

During the 5-Year Temporary Allocation:

Maximum annual allocation from the Biscayne Aquifer Western Wellfield shall not exceed 3,704.75 MG (10.15 MGD)

Maximum monthly allocation from the Biscayne Aquifer Western Wellfield shall not exceed 327.07 MG.

Maximum annual allocation from the Biscayne Aquifer Eastern Wellfield shall not exceed 2,737.5 MG (7.5 MGD)

Maximum monthly allocation from the Biscayne Aquifer Eastern Wellfield shall not exceed 241.68 MG.

Upon Completion of the 5-Year Temporary Allocation:

Maximum annual allocation from the Biscayne Aquifer Western Wellfield shall not exceed 3,704.75 MG (10.15 MGD).

Maximum monthly allocation from the Biscayne Aquifer Western Wellfield shall not exceed 327.07 MG.

Maximum annual allocation from the Biscayne Aquifer Eastern Wellfield shall not exceed 1,825.0 MG (5.0 MGD)

Maximum monthly allocation from the Biscayne Aquifer Eastern Wellfield shall not exceed 161.12 MG.

Upon satisfaction of Special Permit Condition 25, and receipt of an approved letter modification from the District, the City of Miramar source limits for the Biscayne aquifer Wellfields will be as follows:

Maximum annual allocation from the Biscayne Aquifer shall not exceed 5,737.80 MG (15.72 MGD)

Maximum monthly allocation from the Biscayne Aquifer shall not exceed 506.56 MG

Maximum annual allocation from the Biscayne Aquifer Western Wellfield shall not exceed 3,912.80

MG (10.72 MGM)

Maximum annual allocation from the Biscayne Aquifer Eastern Wellfield shall not exceed 1,825.00 MG (5.0 MGD)

Maximum monthly allocation from the Biscayne Aquifer Western Wellfield shall not exceed 345.44 MG

Maximum monthly allocation from the Biscayne Aquifer Eastern Wellfield shall not exceed 161.12 MG

From 20 years after permit issuance through the Permit duration, the Permit allocation shall be:

Source:

Floridan Aquifer System

2,996.65 MGY (8.21 MGD).

6. Withdrawal facilities:

Groundwater - Proposed:

1 - 20" X 110' X 2000 GPM Well Cased To 90 Feet
7 - 18" X 1350' X 1400 GPM Wells Cased To 950 Feet

Groundwater - Existing:

2 - 18" X 1350' X 1400 GPM Wells Cased To 950 Feet
1 - 18" X 70' X 2800 GPM Well Cased To 48 Feet
4 - 24" X 150' X 1736 GPM Wells Cased To 110 Feet
1 - 20" X 112' X 2800 GPM Well Cased To 93 Feet
1 - 20" X 115' X 2800 GPM Well Cased To 88 Feet
1 - 20" X 110' X 2800 GPM Well Cased To 90 Feet

7. The Permittee shall submit all data as required by the implementation schedule for each of the permit conditions to: SFWMD at www.sfwmd.gov/ePermitting, or Regulatory Support, 3301 Gun Club Road, West Palm Beach, FL 33406.

8. The Permittee must submit the appropriate application form incorporated by reference in Rule 40E-2.101, F.A.C., to the District prior to the permit expiration date in order to continue the use of water.

9. The Permittee shall secure a well construction permit prior to construction, repair, or abandonment

of all wells, as described in Chapter 40E-3, F.A.C.

10. Every five years from the date of last calibration, the Permittee shall submit re-calibration data for each withdrawal facility.

11. Prior to any withdrawals at the project, the Permittee shall provide the results of the calibration testing of the identified water accounting method(s) and equip all existing and proposed withdrawal facilities with approved water use accounting method(s) pursuant to Subsection 4.1.1 of the Applicant's Handbook for Water Use Permit Applications within the South Florida Water Management District.

12. Monthly withdrawals for each withdrawal facility shall be reported to the District quarterly. The water accounting method and means of calibration shall be stated on each report.

13. The Permittee shall notify the District within 30 days of any change in service area boundary that results in a change in demand that affects its permitted allocation. The allocation shall be modified to effectuate such change.

14. If at any time there is an indication that the well casing, valves, or controls leak or have become inoperative, repairs or replacement shall be made to restore the system to an operating condition. Failure to make such repairs shall be cause for filling and abandoning the well, in accordance with procedures outlined in Chapter 40E-3, F.A.C.

15. The Permittee shall maintain an accurate flow meter at the intake of the water treatment plant for the purpose of measuring daily inflow of water.

16. The Standard Water Conservation Plan described in Subsection 2.3.2.F.1.a of the Applicant's Handbook for Water Use Permit Applications within the South Florida Water Management District and the Staff Report, must be implemented in accordance with the approved implementation schedule described in the following exhibit:

    See Exhibit 9, Application 230713-2.

17. The Permittee shall submit to the District an updated "Summary of Groundwater (Well) Facilities" table ("Section IV - Sources of Water", Water Use Permit Application Form 1379) within 90 days of completion of the proposed wells identifying the actual total and cased depths, pump manufacturer and model numbers, pump types, intake depths and type of meters.

18. The Permittee shall notify the District within 30 days of entering into an inter-local agreement, contract, or other similar instrument to deliver or receive water outside of its service area or to serve a demand not identified to determine the allocation described in this permit. A copy of such agreement shall be provided to the District. The monthly volume of water delivered and/or received

via each inter-local agreement, contract, or other similar instrument shall be submitted to the District at the same reporting frequency as the withdrawals for each withdrawal facility required in this permit.

19. The Permittee shall implement the wellfield operating plan submitted in support of the permit application, as described in the District staff report.

20. The Permittee shall determine unaccounted-for distribution system losses (for the entire distribution system) on a monthly basis, including the way these losses are calculated. Reports shall be submitted to the District on a yearly basis and are due by April 30th of each year.

    If unaccounted-for distribution system losses are greater than 10 percent for any given year, the Permittee shall submit to the District for approval, a formal leak detection program that meets the requirements of Subsection 4.1.2 of the Applicant's Handbook for Water Use Permit Applications within the South Florida Water Management District, to address the reduction of such water loss.

21. The Permittee shall maintain an accurate flow meter at the point of discharge from the treatment plant for the purpose of measuring the daily flow of water.

22. Entities that control, either directly or indirectly, a wastewater treatment plant and/or reuse distribution system, and which have determined pursuant to Section 403.064, F.S., that use of reclaimed water is feasible, must provide the District with annual updates of the following information: (A) the status of distribution system construction, including location and capacity of lines; (B) a summary of uncommitted supplies for the next year; (C) copies of any new or amended local mandatory reclaimed water reuse zone ordinances; and (D) a list of end-users who have contracted to receive reclaimed water and the agreed upon quantity of water to be delivered.

23. If a proposed well location is different from a location specified in the application, the Permittee shall submit to the District an evaluation of the impact of pumpage from the proposed well location on adjacent existing legal uses, pollution sources, environmental features, the saline water interface, and water bodies one month prior to all new well construction. The Permittee is advised the proposed well locations and resulting impacts must be in compliance with all permitting criteria and performance standards in effect at that time.

24. The Permittee shall submit and annual report to the District on April 30 of each year summarizing the progress towards expanding the reclaimed water system to provide an average minimum of 4.0 MGD to current and future irrigation users as offsets.

25. Prior to increasing the allocation from the Biscayne Aquifer Western Wellfield from 10.15 MGD to 10.72 MGD, the Permittee shall submit documentation that a minimum of 4.0 MGD of reclaimed water is being supplied to irrigation users consistent with Modeling Scenario 4 presented in the Staff Report issued March 14, 2016. Upon approval from the District, the permit shall be modified via letter modification to amend the source limits as described in Special Permit Condition 5. In the

permit issued March 14, 2016, a technical analysis using groundwater flow modeling was conducted which demonstrated that the utility could provide reclaimed water to current users of the Biscayne aquifer and surface water sufficient to receive off-set credits to increase withdrawals from the WWF. Upon completion of this project, as described in the March 14, 2016 permit, the Permittee may request via letter modification to increase the source limit from the WWF to 3,912.8 MGY (10.72 MGD) and 345.44 MGM.

26. Pursuant to Section 373.236(4), F.S., every ten years from the date of permit issuance, the Permittee shall submit a water use compliance report for review and approval by District Staff to SFWMD at www.sfwmd.gov/ePermitting, or Regulatory Support, 3301 Gun Club Road, West Palm Beach, FL 33406.

27. The Permittee shall submit to the District an updated "Summary of Groundwater (Well) Facilities" table ("Section IV - Sources of Water", Water Use Permit Application Form 1379) within six months of permit issuance, identifying which wells have been properly plugged and abandoned according to subsection 40E-3.531 (3), F.A.C., and which wells are to be maintained as water level monitoring wells.

28. The Permittee shall submit to the District an updated "Summary of Groundwater (Well) or Surface Water (Pump or Culvert) Facilities" table ("Section IV - Sources of Water", Water Use Permit Application Form 1379) at least 30 days prior to a change in any facility status (e.g. installation, relocation, abandonment) to include all specifications of the well, pump or culvert (e.g. actual total and cased depths, pump manufacturer and model numbers, pump types, intake depths and type of meters, culvert type, length, cross-section, diameter, height, width, invert elevation, control device, and water use accounting method).

29. The Permittee shall implement the following saline water intrusion monitoring program:

    The Permittee shall collect monthly chloride samples from monitor wells MCMW1, MCMW2, and MCMW3 monthly and submit the results to the District quarterly.

30. The Permittee shall continue to submit monitoring data in accordance with the approved water level monitoring program for this project.

    The Permittee shall collect water level elevation data in feet, NGVD from monitor wells MW1D, MW2S, MW2D, MW3S, MW3D, MCMW1, MCMW2, and MCMW3 monthly and submit the data to the District quarterly.

STANDARD PERMIT CONDITIONS

EXHIBIT B

1. All water uses authorized by this permit shall be implemented as conditioned by this permit, including any documents incorporated by reference in a permit condition. The District may revoke this permit, in whole or in part, or take enforcement action, pursuant to Section 373.136 or 373.243, F.S., unless a permit modification has been obtained to address the noncompliance.

   The Permittee shall immediately notify the District in writing of any previously submitted material information that is later discovered to be inaccurate.

2. The Permittee is advised that this permit does not relieve any person from the requirement to obtain all necessary federal, state, local and special district authorizations.

3. The Permittee shall notify the District in writing within 30 days of any sale, transfer, or conveyance of ownership or any other loss of permitted legal control of the Project and/or related facilities from which the permitted consumptive use is made. Where Permittee's control of the land subject to the permit was demonstrated through a lease, the Permittee must either submit a new or modified lease showing that it continues to have legal control or documentation showing a transfer in control of the permitted system/project to the new landowner or new lessee. All transfers of ownership are subject to the requirements of Rule 40E-1.6107, F.A.C. Alternatively, the Permittee may surrender the consumptive use permit to the District, thereby relinquishing the right to conduct any activities under the permit.

4. Nothing in this permit should be construed to limit the authority of the District to declare a water shortage and issue orders pursuant to Chapter 373, F.S. In the event of a declared water shortage, the Permittee must adhere to the water shortage restrictions, as specified by the District. The Permittee is advised that during a water shortage, reports shall be submitted as required by District rule or order. The Permittee is advised that during a water shortage, pumpage, water levels, and water quality data shall be collected and submitted as required by District orders issued pursuant to Chapter 40E-21, F.A.C.

5. This permit does not convey to the Permittee any property rights or privileges other than those specified herein, nor relieve the permittee from complying with any applicable local government, state, or federal law, rule, or ordinance.

6. With advance notice to the Permittee, District staff with proper identification shall have permission to enter, inspect, observe, collect samples, and take measurements of permitted facilities to determine compliance with the permit conditions and permitted plans and specifications. The Permittee shall either accompany District staff onto the property or make provision for access onto the property.

7. A. The Permittee may seek modification of any term of an unexpired permit. The Permittee is advised that Section 373.239, F.S., and Rule 40E-2.331, F.A.C., are applicable to permit modifications.

   B. The Permittee shall notify the District in writing 30 days prior to any changes to the project that

could potentially alter the reasonable demand reflected in the permitted allocation. Such changes include, but are not limited to, change in irrigated acreage, crop type, irrigation system, large users agreements, or water treatment method. Permittee will be required to apply for a modification of the permit for any changes in permitted allocation.

8. If any condition of the permit is violated, the permit shall be subject to review and modification, enforcement action, or revocation pursuant to Chapter 373, F.S.

9. The Permittee shall mitigate interference with existing legal uses that was caused in whole or in part by the Permittee's withdrawals, consistent with the approved mitigation plan. As necessary to offset the interference, mitigation will include pumpage reduction, replacement of the impacted individual's equipment, relocation of wells, change in withdrawal source, or other means.

   Interference to an existing legal use is defined as an impact that occurs under hydrologic conditions equal to or less severe than a 1-in-10 year drought event that results in the:

   A. Inability to withdraw water consistent with provisions of the permit, such as when remedial structural or operational actions not materially authorized by existing permits must be taken to address the interference; or

   B. Change in the quality of water pursuant to primary State Drinking Water Standards to the extent that the water can no longer be used for its authorized purpose, or such change is imminent.

10. The Permittee shall mitigate harm to the natural resources caused by the Permittee's withdrawals, as determined through reference to the conditions for permit issuance. When harm occurs, or is imminent, the District will require the Permittee to modify withdrawal rates or mitigate the harm. Harm, as determined through reference to the conditions for permit issuance includes:

    A. Reduction in ground or surface water levels that results in harmful lateral movement of the fresh water/salt water interface,

    B. Reduction in water levels that harm the hydroperiod of wetlands,

    C. Significant reduction in water levels or hydroperiod in a naturally occurring water body such as a lake or pond,

    D. Harmful movement of contaminants in violation of state water quality standards, or

    E. Harm to the natural system including damage to habitat for rare or endangered species.

11. The Permittee shall mitigate harm to existing off-site land uses caused by the Permittee's withdrawals, as determined through reference to the conditions for permit issuance. When harm occurs, or is imminent, the District will require the Permittee to modify withdrawal rates or mitigate the harm. Harm as determined through reference to the conditions for permit issuance, includes:

A. Significant reduction in water levels on the property to the extent that the designed function of the water body and related surface water management improvements are damaged, not including aesthetic values. The designed function of a water body is identified in the original permit or other governmental authorization issued for the construction of the water body. In cases where a permit was not required, the designed function shall be determined based on the purpose for the original construction of the water body (e.g. fill for construction, mining, drainage canal, etc.)

B. Damage to agriculture, including damage resulting from reduction in soil moisture resulting from consumptive use; or,

C. Land collapse or subsidence caused by reduction in water levels associated with consumptive use.

EXHIBIT B

NOTICE OF RIGHTS

As required by Chapter 120, Florida Statutes, the following provides notice of the opportunities which may be available for administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes, or judicial review pursuant to Section 120.68, Florida Statutes, when the substantial interests of a party are determined by an agency. Please note that this Notice of Rights is not intended to provide legal advice. Some of the legal proceedings detailed below may not be applicable or appropriate for your situation. You may wish to consult an attorney regarding your legal rights.

RIGHT TO REQUEST ADMINISTRATIVE HEARING

A person whose substantial interests are or may be affected by the South Florida Water Management District's (District) action has the right to request an administrative hearing on that action pursuant to Sections 120.569 and 120.57, Florida Statutes. Persons seeking a hearing on a District decision which affects or may affect their substantial interests shall file a petition for hearing in accordance with the filing instructions set forth herein within 21 days of receipt of written notice of the decision unless one of the following shorter time periods apply: (1) within 14 days of the notice of consolidated intent to grant or deny concurrently reviewed applications for environmental resource permits and use of sovereign submerged lands pursuant to Section 373.427, Florida Statutes; or (2) within 14 days of service of an Administrative Order pursuant to Section 373.119(1), Florida Statutes. "Receipt of written notice of agency decision" means receipt of written notice through mail, electronic mail, posting, or publication that the District has taken or intends to take final agency action. Any person who receives written notice of a District decision and fails to file a written request for hearing within the timeframe described above waives the right to request a hearing on that decision.

If the District takes final agency action that materially differs from the noticed intended agency decision, persons who may be substantially affected shall, unless otherwise provided by law, have an additional point of entry pursuant to Rule 28-106.111, Florida Administrative Code.

Any person to whom an emergency order is directed pursuant to Section 373.119(2), Florida Statutes, shall comply therewith immediately, but on petition to the board shall be afforded a hearing as soon as possible.

A person may file a request for an extension of time for filing a petition. The District may grant the request for good cause. Requests for extension of time must be filed with the District prior to the deadline for filing a petition for hearing. Such requests for extension shall contain a certificate that the moving party has consulted with all other parties concerning the extension and whether the District and any other parties agree to or oppose the extension. A timely request for an extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

FILING INSTRUCTIONS

A petition for administrative hearing must be filed with the Office of the District Clerk. Filings with the Office of the District Clerk may be made by mail, hand-delivery, or e-mail. Filings by facsimile will not be accepted. A petition for administrative hearing or other document is deemed filed upon receipt during normal business hours by the Office of the District Clerk at the District's headquarters in West Palm Beach, Florida. The District's normal business hours are 8:00 a.m. – 5:00 p.m., excluding weekends and District holidays. Any document received by the Office of the District Clerk after 5:00 p.m. shall be deemed filed as of 8:00 a.m. on the next regular business day. Additional filing instructions are as follows:

- Filings by mail must be addressed to the Office of the District Clerk, 3301 Gun Club Road, West Palm Beach, Florida 33406.

- Filings by hand-delivery must be delivered to the Office of the District Clerk. Delivery of a petition to the District's security desk does not constitute filing. It will be necessary to request that the District's security officer contact the Office of the District Clerk. An employee of the District's Clerk's office will receive and process the petition.
- Filings by e-mail must be transmitted to the Office of the District Clerk at clerk@sfwmd.gov. The filing date for a document transmitted by electronic mail shall be the date the Office of the District Clerk receives the complete document.

INITIATION OF AN ADMINISTRATIVE HEARING

Pursuant to Sections 120.54(5)(b)4. and 120.569(2)(c), Florida Statutes, and Rules 28-106.201 and 28-106.301, Florida Administrative Code, initiation of an administrative hearing shall be made by written petition to the District in legible form and on 8 1/2 by 11 inch white paper. All petitions shall contain:

1. Identification of the action being contested, including the permit number, application number, District file number or any other District identification number, if known.
2. The name, address, any email address, any facsimile number, and telephone number of the petitioner, petitioner's attorney or qualified representative, if any.
3. An explanation of how the petitioner's substantial interests will be affected by the agency determination.
4. A statement of when and how the petitioner received notice of the District's decision.
5. A statement of all disputed issues of material fact. If there are none, the petition must so indicate.
6. A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the District's proposed action.
7. A statement of the specific rules or statutes the petitioner contends require reversal or modification of the District's proposed action.
8. If disputed issues of material fact exist, the statement must also include an explanation of how the alleged facts relate to the specific rules or statutes.
9. A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the District to take with respect to the District's proposed action.

MEDIATION

The procedures for pursuing mediation are set forth in Section 120.573, Florida Statutes, and Rules 28-106.111 and 28-106.401–.405, Florida Administrative Code. The District is not proposing mediation for this agency action under Section 120.573, Florida Statutes, at this time.

RIGHT TO SEEK JUDICIAL REVIEW

Pursuant to Section 120.68, Florida Statutes, and in accordance with Florida Rule of Appellate Procedure 9.110, a party who is adversely affected by final District action may seek judicial review of the District's final decision by filing a notice of appeal with the Office of the District Clerk in accordance with the filing instructions set forth herein within 30 days of rendition of the order to be reviewed, and by filing a copy of the notice with the appropriate district court of appeals via the Florida Courts E-Filing Portal.

EXHIBIT B

WATER USE STAFF REPORT

Application Number: 230713-2

Permit Number: 06-00054-W

Project Name: CITY OF MIRAMAR PUBLIC WATER SUPPLY

Water Use Permit Status: MODIFICATION/RENEWAL

Location: BROWARD COUNTY, S26/T51S/R41E

Applicant's Name and Address:
CITY OF MIRAMAR
13900 PEMBROKE ROAD
MIRAMAR, FL 33207

Water Use Classification: Public Water Supply

Sources:

Groundwater from: Biscayne Aquifer
Floridan Aquifer System

Authorized Allocation:

Annual Allocation:	7,927.91	Million Gallons (MG)
Maximum Monthly Allocation:	699.92	Million Gallons (MG)

Existing Withdrawal Facilities - Groundwater

Source: Biscayne Aquifer
1 - 20" X 110' X 2800 GPM Well Cased to 90 Feet
4 - 24" X 150' X 1736 GPM Wells Cased to 110 Feet
1 - 20" X 112' X 2800 GPM Well Cased to 93 Feet
1 - 20" X 115' X 2800 GPM Well Cased to 88 Feet
1 - 18" X 70' X 2800 GPM Well Cased to 48 Feet
Source: Floridan Aquifer System
2 - 18" X 1350' X 1400 GPM Wells Cased to 950 Feet

Proposed Withdrawal Facilities - Groundwater

Source: Biscayne Aquifer
1 - 20" X 110' X 2000 GPM Well Cased to 90 Feet
Source: Floridan Aquifer System
7 - 18" X 1350' X 1400 GPM Wells Cased to 950 Feet

Rated Capacity Source	Status Code	GPM	MGM	MGY
Biscayne Aquifer	E	18,144	794.3	9,536
Floridan Aquifer System	E	2,800	122.6	1,472
Biscayne Aquifer	P	2,000	87.6	1,051
Floridan Aquifer System	P	9,800	429.0	5,151
Totals:		**32,744**	**1,433.5**	**17,210**

PURPOSE

The purpose of this application is to modify and renew Water Use Permit 06-00054-W for public water supply for the City of Miramar service area serving 150,145 persons in the year 2053 with an average finished water per capita use rate of 115.73 gallons per capita per day (gpcd) and a maximum monthly to average monthly pumping ratio of 1.06:1. Withdrawals are from the Biscayne aquifer (BA), via 8 existing and 1 proposed withdrawal facilities and from the Floridan aquifer system (FAS), via 2 existing and 7 proposed withdrawal facilities.

PROJECT DESCRIPTION

The City of Miramar (Project or City) is a permitted public water utility since 1975, located in southern Broward County, Florida (Exhibits 1 and 2). The modification consists of the addition of one BA well and seven additional FAS production wells.

Operational Plan:

The City operates two wellfields: the Eastern Wellfield (EWF), located in the eastern portion of the service area and the Western Wellfield (WWF), located in the central portion of the service area. The EWF consists of four existing and one proposed BA production wells whereas the WWF consists of four existing BA production wells, two existing FAS wells, and seven proposed FAS production wells. The locations of the withdrawal facilities and the well construction details are shown on Exhibits 3 and 4.

Water Treatment Facilities:

The City maintains an Eastern Water Treatment Plant (WTP) and a Western WTP. The Eastern WTP uses membrane treatment (nanofiltration) with a finished plant capacity of 6.0 million gallons per day (MGD) and is limited to the treatment of the BA raw water. The Western WTP also uses membrane treatment and can treat BA water with nanofiltration (low pressure) and FAS water with reverse osmosis (high pressure). The Western WTP has a finished capacity of 9.25 MGD of BA water and 2.5 MGD of FAS water.

Interconnects with Other Utilities:

The City has three interconnects with the City of Pembroke Pines along Pembroke Road: (1) at Palm Avenue, (2) at 136th Avenue, and (3) at SW 178th Avenue. The City also has one interconnect with Broward County, located at 25th Street and 68th Avenue, to provide emergency service to the eastern service area from Broward County's District 3B storage and booster pump facility. In addition, the City has one

PROJECT DESCRIPTION (CONTINUED)

interconnect with Miami Dade Water and Sewer Department (MDWASD) that was constructed in 2008.

Permit History:
On December 19, 1975, the City received an original water use permit with an annual allocation of 2,628 million gallons per year (MGY) and a maximum daily allocation of 10.8 million MGD, which expired on December 19, 1985. On September 18, 1984, the City applied for a modification to relocate one of the wells. The modification was granted on December 13, 1984. The water use permit was modified and renewed several more times, and in 1992, it was modified to add the WWF.

In October 2008, the City was issued a water use permit for a total annual allocation of 5,839 MGY, with the BA allocation limited to 4,866 MGY, and the new FAS Wellfield limited to 975 MGY. The allocation for the BA exceeded the established regional water availability base condition of 4,218 MGY. The increase in allocation over the base condition was allowed under rules in effect at that time that allowed for the design and construction of the FAS wells and treatment plant. In addition, during that time frame, the City was to implement a reclaimed water delivery system to existing users of the BA and surface waters in its service area, which were shown to be inducing seepage from the Regional System, primarily the South Florida Water Management District (District) C-9 Canal. The City provided volumetric groundwater flow modeling analyses, which showed that the application of 2.1 MGD of reclaimed water, substituting for the permitted allocations affecting the C-9 Canal were sufficient to offset the impacts of additional withdrawals from the WWF.

Limiting Condition 5 of the 2008 water use permit stipulated that the BA allocation would revert to the calculated base condition limit of 4,218 MGY after the 5-year Temporary Allocation, unless all proposed irrigation users incorporated into the model were provided with reclaimed water. Although the City indicated they were providing this quantity of reclaimed water within their service area, the locations of the users provided with reclaimed water were different than those modeled in 2008. Consequently, in October of 2013, the City's BA allocation reverted to the base condition allocation of 4,218 MGY (11.55 MGD with the WWF at 8.37 MGD and the EWF at 3.186 MGD). Therefore, the City was then permitted for a total annual allocation of 5,193 MGY, with the FAS source limited to 975 MGY (2.67 MGD) and the BA limited to 4,218 MGY (11.55 MGD). This "reverted" allocation was insufficient to meet current demands and consequently the City applied to modify and renew their water use permit, which was issued in March 2016 for a total allocation of 6,887.6 MGY.

PROJECTED WATER USE DEMANDS

The annual and maximum month allocations for public water supply utilities are calculated as described in Subsection 2.3.2.F of the Applicant's Handbook for Water Use Permit Applications within the South Florida Water Management District (AH). The Permittee is requesting a 30-year duration for the FAS allocation, based on this source being an Alternative Water Supply (AWS). The Permittee estimates a 2053 population of 150,145 persons with a finished water per capita use rate of 115.73 gallons per capita

PROJECTED WATER USE DEMANDS (CONTINUED)

per day (gpcd). The City of Miramar is currently experiencing rapid growth, a demographic shift, and an increased emphasis on commercial and industrial development. Anticipated growth within the City has very different characteristics than past development. Consistent with Subsection 2.3.2.F.3 of the AH, when the historical demand patterns may not be appropriate for projection purposes, the raw water per capita (145 gpcd) is higher due to treatment losses. A technical report describing the derivation of the per capita use rate is contained in the permit file. The maximum monthly peaking ratio (1.06:1) was calculated by dividing the peak raw water monthly rate by the average raw water monthly rate for the 3-year period of 2020 through 2022 (Exhibit 5).

Exhibit 6 shows the projected demand table (Table G) for raw and finished water through the year 2053. The table indicates that sufficient water will be available to meet demands through the year 2053 without the need to implement the proposed expansion to the reclaimed water system, due to expansion of the FAS.

District Staff recommends an annual allocation of 7,927.91 MGY (21.72 MGD) with a maximum month allocation of 699.92 million gallons per month (MGM) based on a maximum month to average month ratio of 1.06:1. The Permittee has requested a temporary increase of the allocation for the EWF from 5.0 MGD to 7.5 MGD for a 5-year temporary allocation per Subsection 3.2.1.E.6.b of the AH to provide time to develop the FAS source to provide the additional demand required for the end of permit requirements.

The annual and maximum month allocations are further limited both by source and by wellfield. The allocations from the FAS are 2,996.65 MGY and 264.56 MGM for the duration of the permit. The source limits from the BA during the 5-year temporary allocation will be 6,442.65 (17.65 MGM), 2,737.5 MGY (7.5 MGD) from the EWF and 3,704.65 MGY (10.15 MGD) from the WWF.

The source limits from the BA after the 5-year temporary allocation will be 5,529.75 MGY (488.19 MGM). The allocation for the EWF will be 1,825 MGY (5 MGD), and 3,704.65 MGY annually (10.15 MGD) from the WWF.

After Special Permit Condition 25 has been satisfied, the allocation for the WWF will increase to 10.72 MGD upon issuance of the water use permit modification.

IMPACT EVALUATION

FAS:

Analytical groundwater flow modeling was performed to evaluate drawdown associated with withdrawals from two existing and seven proposed FAS wells (note that Wells F1 and F2 are the only currently constructed FAS wells), using AquiferWin32 software, and applying the Hantush-Jacob equation for leaky confined aquifers. Input parameters (transmissivity [T] = 17,091 square feet per day (ft2/day), leakance = 5 x 10-5 d-1, and storativity [S] = 5 x 10-5), consistent with Subsection

IMPACT EVALUATION (CONTINUED)

3.1.2 of the AH, were derived from the FAS modeling completed and authorized in support of the City's previous Water Use Permit Application 140804-6. Multiple transient simulations were performed assuming withdrawals of 3.96 MGD, 6.29 MGD, and 8.70 MGD, with various configurations of wells pumping for a period of 90 days, with no recharge, to approximate 1-in-10 year conditions. A summary of model input/output is provided in the technical Modeling Report contained in the ePermitting file for this water use application.

Cumulative Scenarios were simulated with 8 project wells pumping a total of 8.70 MGD, as detailed in Exhibit 7, Page 5. For the four scenarios described below, existing legal users contained within the cone of depression are the Hialeah Wellfield (Water Use Permit 13-00017-W and the NMB Wellfield (Water Use Permit 13-00060-W). The Hialeah Wellfield was simulated with 14 wells pumping a total of 13.30 MGD, split evenly between the wells. The NMB Wellfield was simulated with 6 wells pumping a total of 13.54 MGD, split evenly between the wells. Exhibit 7 depicts the following simulations:

Page 1 of the model report presents the model predicted drawdown resulting from the City's monthly withdrawal of 120.38 MGM from the FAS, distributed evenly over the 1 existing and 2 proposed wells. The figure also shows the 1.0-foot cone of depression for the confined FAS.

Page 2 of the model report presents the model predicted drawdown resulting from the City's monthly withdrawal of 6.29 MGD from the FAS, distributed evenly over the 1 existing and 3 proposed wells. This figure also shows the existing legal users located within the cone of depression.

Page 3 presents the model predicted drawdown resulting from the City's monthly withdrawal of 264.48 MGM from the FAS, distributed evenly over the 1 existing and 4 proposed wells. This scenario also shows the existing legal users located within the cone of depression. The cone of depression resulting from this scenario contains the Hialeah Wellfield, and portions of the City of North Miami Beach's FAS Wellfield (NMB Wellfield). The City's withdrawals in this scenario result in a maximum drawdown of approximately 5 feet at the nearest existing legal user.

Page 4 presents the model predicted drawdown resulting from the City's monthly withdrawal of 264.48 MGM from the FAS, distributed evenly over the 1 existing and seven 7 proposed wells. This Exhibit also shows the existing legal users located within the cone of depression. The cone of depression resulting from this scenario contains the Hialeah Wellfield and portions of the NMB Wellfield. The City's withdrawals simulated in this Scenario result in a maximum drawdown of approximately 6 feet at the nearest existing legal user.

IMPACT EVALUATION (CONTINUED)

Biscayne Aquifer

The SFWMD BA model was used by the City and AECOM in support of the City's Water Use Permit Application No. 140804-6. The model used in the 2007 permit modification was reviewed and evaluated by AECOM to determine if it could replicate the groundwater contour map based on calibrated steady-state water levels in Layer 1 as documented in the SFWMD 1992 technical publication. AECOM also compared drawdown contour maps simulated as part of the City's 2007 CUP application to those simulated using the model files provided by the SFWMD. AECOM determined that both the groundwater contour and drawdown maps were duplicative and representative of the previously accepted model output. AECOM also modified and updated the SFWMD BA model via the WELL and RECHARGE Packages.

JLA utilized this model to perform a variety of simulations to determine the additional drawdown from the requested increase in withdrawals from the EWF from the base condition of 5.0 to 7.5 MGD. Drawdown contour maps comparing withdrawal rates of 5 MGD to 7.5 MGD are shown on Exhibit 8. A technical report decribing the modeling methodology in more detail is contained in the Permit file.

WATER RESOURCE IMPACT EVALUATION

Water Resource Availability

Biscayne Aquifer

The land surface elevation in the vicinity of the Eastern and Western wellfields is approximately 6.5 feet National Geodetic Vertical Datum (NGVD). The BA is a highly permeable section of the surficial aquifer system (SAS) in Broward County. The base of the SAS occurs at approximately -200 feet NGVD beneath both wellfields. For the EWF, the proposed increase in pumpage from 5.00 to 7.50 MGD is approximately just 0.1-foot of additional drawdown (Exhibit 8). For the WWF, modeling indicates that for a withdrawal rate of 10.15 MGD and up to 10.72 MGD (once the offsets provided by the application of 4.00 MGD of reclaimed water are applied, pursuant to Special Permit Condition 25, drawdown will be less than or approximately equal to the established base condition, or what was previously permitted in 2008. Therefore, no increase in withdrawals over the existing allocation (10.15 MGD) are authorized from the WWF until the Permittee provides documentation satisfying Special Permit Condition 25 for the reclaimed water offsets and modifies the water use permit accordingly. Therefore, the potential for harm to occur to the water resource availability of the BA as a result of the withdrawal of the recommended allocation is considered minimal.

Floridan Aquifer System

The top of the FAS occurs at approximately -1,000 feet NGVD beneath the Western Wellfield. The average water level elevation of the Floridan aquifer system, as measured from one of the monitor wells associated with the City's injection well, is approximately 45 feet NGVD. Analytical modeling results indicate that the additional drawdown within the vicinity of the City of Miramar's FAS wells due to the 264.48 MGM of proposed maximum month withdrawals is approximaetly 25 feet in the

WATER RESOURCE IMPACT EVALUATION (CONTINUED)

cumulative scenario (Scenario 6). This drawdown is minimal compared of the total available drawdown (approximately 900 feet) within the FAS. Therefore, the potential for harm to occur to the water resource availability of the Floridan aquifer system as a result of the withdrawal of the recommended allocation is considered minimal.

Existing Legal Users

Biscayne Aquifer

There are numerous existing legal users within the cone of depression of both the EWF and WWF. There is just a minimal additional drawdown in the EWF (approximately 0.1-foot) during the requested increase in the temporary allocation period. There is no increase in withdrawals from the existing allocation from the WWF. Therefore, the potential for harm to occur to existing legal users as a result of the withdrawal of the recommended allocation is considered minimal.

Floridan Aquifer System

As previously mentioned, the existing legal users located within the cone of depression resulting from Scenario 3A contains the Hialeah Wellfield and portions of the City of North Miami Beach's FAS Wellfield (NMB Wellfield). The City's withdrawals simulated in Scenario 3A result in a maximum drawdown of approximately five feet at the nearest existing legal user. These small increase in drawdown will not adversely affect water production rates for these FAS existing legal users. Therefore, the potential for harm to occur to existing legal users as a result of the withdrawal of the recommended allocation is considered minimal.

Existing Off Site Land Uses

Biscayne Aquifer

Land uses that are dependent upon water being on or near land surface and that existed prior to this application are protected from harm. The results of the groundwater modeling show that the proposed withdrawal rates (with the application of reclaimed water) results in a reduction in drawdown in the WWF compared to the base condition, and minimal additional drawdown in the EWF area (about 0.1-foot). Pursuant to Subsection 3.6 of the AH, the use is not expected to result in significant reduction in water levels on the property of an existing offsite land use to the extent that the designed function of a water body and related surface water management improvements are damaged (not including aesthetic values), damage to agriculture, including damage resulting from reduction in soil moisture resulting from water use, or land collapse or subsidence caused by reduction in water levels associated with water use.

Floridan Aquifer System

Land uses that are dependent upon water being on or near land surface and that existed prior to this application are protected from harm. The FAS is confined and separated from the SAS and surface water features by approximately 800 feet of sediments with a low permeability. Pursuant to Subsection 3.6 of the AH, the use is not expected to result in significant reduction in water levels on the property of an

WATER RESOURCE IMPACT EVALUATION (CONTINUED)

existing offsite land use to the extent that the designed function of a water body and related surface water management improvements are damaged (not including aesthetic values), damage to agriculture, including damage resulting from reduction in soil moisture resulting from water use, or land collapse or subsidence caused by reduction in water levels associated with water use.

Migration of Saline Water

Biscayne Aquifer

The nearest source of surface saline water is the Intracoastal Waterway located approximately 5.5 miles east of the EWF. The City's EWF is located approximately 3.5 miles west of the saline waterfront in the BA. Both of these saline sources are well beyond the cone of depression of the wellfield. The City maintains a network of chloride ion concentration monitoring wells and groundwater level monitoring wells in the vicinity of the EWF. Chloride ion concentrations have remained stable at less than 80 milligrams per liter (mg/L) from 1995 to present. Connate seawater is not known to exist beneath or in the vicinity of either wellfield. The City will continue with its current saltwater and groundwater level monitoring program described in Special Permit Conditions 29 and 30. The City will collect monthly water level and chloride ion samples from monitor wells MCMW1, MCMW2, and MCMW3, along with monthly water level data from monitor wells MW1D, MW2S, MW2D, MW3S, and MW3D and submit these data to the District quarterly. Therefore, the potential for saline intrusion or upconing to occur as a result of the withdrawal of the recommended allocation is considered minimal.

Floridan Aquifer System

The Floridan aquifer system is saline in the vicinity of the City of Miramar, requiring reverse osmosis to treat before use. The small increase in requested allocation is consistent with that the use of saline water may cause limited increases in salinity but not to the extent of interfering with any presently existing legal use of water, otherwise harming water resources, or rendering the resource no longer usable by the permittee (Subsection 3.4.1 of the AH). Therefore, Therefore, the potential for saline water intrusion or upconing to occur as a result of the withdrawal of the recommended allocation is considered minimal.

Wetland Environments

Biscayne Aquifer

There are multiple state jurisdictional wetland areas within the area of influence of the eastern wellfield, as depicted in Exhibit 8D. These wetlands are located within the Broward County Snake Warriors Island Natural Area (Snake Warriors Island), and within an existing communication tower site. Based upon the simulated drawdown due to the Project's withdrawals, the additional requested allocation will result in less than an additional 0.1 foot of drawdown under the wetland areas.

In addition, as part of this water use permit application, the City of Miramar's Wetland Consultant, EW Consultants, Inc. conducted a site visit to the Snake Warriors Island

WATER RESOURCE IMPACT EVALUATION (CONTINUED)

wetland system. There have been no indications of harm to these wetlands, since the last modification, which can be directly attributed with the previously permitted water use withdrawals. Therefore, based upon application of the narrative standard that the hydrologic alteration of the water use shall not adversely impact the values of wetland functions so as to cause harm to the abundance, diversity and habitat of fish, wildlife and listed species, the potential for harm to occur to wetlands as a result of the authorized withdrawal of the recommended allocation is considered minimal.

Floridan Aquifer System

The FAS is separated from the BA by the thick confining layer of the Hawthorn Group. Within the vicinity of the City of Miramar, underlying the Biscayne aquifer, are approximately 800 feet of low permeability dense carbonate and clay-rich deposits of the Hawthorn Group that form a confining unit between the BA and the FAS. This confining layer prevents any significant drawdown in the BA from the City's use of the FAS. Therefore, there is no potential for harm to occur to wetlands and other surface waters as a result of the authorized withdrawal of the recommended allocation.

Sources of Pollution

Biscayne Aquifer

There are multiple known contamination sites within the vicinity of the EWF. The minimal drawdown changes in the vicinity of the EWF do not significantly affect the regional groundwater flow gradient. Additionally, the wellfield is protected by the Broward County Wellfield Protection Ordinance. Therefore, the potential for movement of contaminants if present, from known pollution sources as a result of the withdrawal of the requested allocation is considered minimal.

Floridan Aquifer System

As mentioned through this Staff Report, the FAS is separated from the BA by a thick layer of low-permeability clays of the Hawthorn Group. This confining layer prevents the inducement of potential pollution sources from migrating from land surface. Therefore, the potential for movement of contaminants, if present, from known pollution sources as a result of the withdrawal of the recommended allocation is considered minimal.

ADDITIONAL INFORMATION

Regional Issues

Regional Water Availability

The modeling analysis contained in the permit file provides assurances that pursuant to Subsection 3.2.1.E of the AH, the requested allocation will not cause a net increase in the volume or cause a change in timing on a monthly basis of surface and groundwater withdrawn from the Lower East Coast Everglades Waterbodies or the North Palm Beach County/Loxahatchee River Watershed Waterbodies over that resulting from the base condition water use that existed as of April 1, 2006.

ADDITIONAL INFORMATION (CONTINUED)

Minimum Flows and Levels

As part of the conditions for permit issuance in Chapter 373, Florida Statutes (F.S.), including District implementing rules, a consumptive use permit applicant must provide reasonable assurances regarding protection of Lower East Coast Everglades and Minimum Flow and Levels (MFL) Water Bodies, including the BA and the Water Conservation Areas (Everglades/MFL Waterbodies).

Biscayne Aquifer MFL and Prevention Strategy:
The MFLs for the Biscayne aquifer, identifying the point at which further withdrawals would cause significant harm, are set forth in Rule 40E-8.23, Florida Administrative Code (F.A.C.). The BA is in prevention as the MFL is not expected to be exceeded over the next 20 years providing the Prevention Strategy as identified in Rule 40E-8.421(4), F.A.C. is maintained.

The Permittee has provided reasonable assurances that the proposed allocations will not cause the coastal canal stages to drop below their minimum levels. The Permittee has provided reasonable assurances that the proposed allocations are consistent with the saltwater intrusion prevention criteria in 40E-2, F.A.C. and they will be maintaining an adequate saltwater monitoring network. Based on these findings, the applicant has demonstrated that the proposed use is consistent with the prevention strategy.

Everglades MFL and Recovery Strategy:
The MFLs for Everglades Waterbodies, identifying the point at which further withdrawals would cause significant harm, are set forth in Rule 40E-8.221(3), F.A.C. The Everglades MFL Waterbodies are in recovery as identified in Rule 40E-8.421(1) and (2), F.A.C. The primary component of the MFL recovery strategy is implementation of the Everglades restoration projects, including the Comprehensive Everglades Restoration Plan (CERP). The Everglades MFL recovery strategy also includes limitations on impacts to the MFL Waterbodies due to consumptive use permit withdrawals in Subsection 3.9.1 of the AH. The Permittee has demonstrated through the use of interim operating scenarios that the MFL recovery plan requirements are met, consistent with Subsection 3.9.1.B.2 of the AH.

Project Site Issues

Legal Control and Land Use

The City maintains legal control over the Project site, pursuant to Subsection 2.1.1 of the AH and maintains legal access to the withdrawal facilities (2.1.2 of the AH). The Permittee also maintains a legal obligation to serve its service area (Subsection 2.1.3 of the AH. The allocation requested for public water supply is compatible with the multiple land use categories in the vicinity (Subsection 2.1.4 of the AH).

Potential Use of Reclaimed Water

The City owns and operates the Wastewater Reclamation Facility (WWRF), a conventional activated sludge treatment plant that provides domestic wastewater

ADDITIONAL INFORMATION (CONTINUED)

treatment and disposal services. The City maintains a reclaimed water treatment program at WWRF, which has a permitted capacity of 7.5 MGD average annual daily flow (AADF) of high-quality reclaimed water for public access (irrigation) and in-plant use. The WWRF reclaimed water system is permitted to operate under Florida Department of Environmental Protection Permit Number FLA017025. Florida regulations stipulate that reclaimed water designated for public access must meet high level disinfection requirements.

The City maintains a Mandatory Reclaimed Water Service Area within the boundaries of the City, codified within City Ordinance Subpart A, Chapter 21, Article IX (Attachment 5). It is the intent of the City to provide reclaimed water to as many users as possible. As detailed in the most recent Reclaimed Water System Annual Report, the City provides reclaimed water to 96 residential communities, institutions, commercial and City-owned facilities through a combination of metered and unmetered connections. The City incentivizes the use of reclaimed water by not assessing a service charge for its use. As stipulated in Special Permit Condition 25 of the permit, the City may increase (via letter modification) the BA Western Wellfield allocation from 10.15 MGD to 10.72 MGD (in addition to receiving the associated annual and maximum monthly allocations) when it has submitted documentation that a minimum of 4.0 MGD of reclaimed water is being supplied to irrigation users consistent with previous model scenarios.

Water Conservation Plan

The Water Conservation Plan is shown on Exhibit 9.

Permit Duration

Consistent with Subsection 1.5.2.C.3.a of the AH, the allocation from the BA will have a duration of 20 years from the date of permit issuance. Consistent with Florida Statutes 373.236(5)(b)(1), a permit approved on or after July 1, 2013 for the development of alternative water supplies shall be granted for a term of at least 30 years if there is sufficient data to provide reasonable assurances that the conditions for permits issuance will be met for the duration of the permit. Therefore, the allocation for the FAS withdrawals (2,996.65 MG annually and 264.56 MGM will have a permit duration of 30 years, as requested by the Permittee.

ENVIRONMENTAL RESOURCE PERMIT STATUS:

Not Applicable

RIGHT OF WAY PERMIT STATUS:

Not Applicable

EXHIBIT B

RECOMMENDATIONS

Project Name: CITY OF MIRAMAR PUBLIC WATER SUPPLY

Application Number: 230713-2

Permit Number: 06-00054-W

RECOMMENDATION

The use of groundwater from the Floridan aquifer system and Biscayne aquifer for public water supply for the City of Miramar Service Area serving 150,145 persons in the year 2054 with an annual allocation of 7,927.91 million gallons.

STAFF EVALUATION

REVIEWER:

For Sophie Wild, NRM

John A. Lockwood, P.G., WU

SUPERVISOR:

Morgan Reins, NRM

Nicholas M. Vitani, P.G., WU

WATER USE SECTION ADMINISTRATOR:

Alberto Naya, P.G., WU

Date: February 23, 2023

WATER USE BUREAU CHIEF:

Simon Sunderland, P.G.

Date: February 26, 2024

SPECIAL PERMIT CONDITIONS

1. This permit is issued to:

   CITY OF MIRAMAR
   13900 PEMBROKE ROAD
   MIRAMAR, FL 33207

2. This permit shall expire on February 28, 2054.

3. Use classification is:

   Public Water Supply

4. Source classification is:

   Groundwater from:
   Biscayne Aquifer
   Floridan Aquifer System

5. Allocation:

   Total annual allocation is 7,927.91 million gallons (MG). (21.72 MGD).

   Total maximum monthly allocation is 699.92 million gallons (MG).

   By Source:

   During the 5-Year Temporary Allocation from Permit issuance date expiring 5 years after permit issuance:

   Maximum annual allocation from the Floridan Aquifer System shall not exceed 2,996.65 MG (8.21 MGD)

   Maximum annual allocation from the Biscayne Aquifer shall not exceed 6,442.25 MG (17.65 MGD)

   Maximum monthly allocation from the Floridan Aquifer System shall not exceed 264.56 MG

   Maximum monthly allocation from the Biscayne Aquifer shall not exceed 568.75 MG

   Upon Completion of the 5-Year Temporary Allocation:

SPECIAL PERMIT CONDITIONS

Maximum annual allocation from the Floridan Aquifer System shall not exceed 2,996.65 MG (8.21 MGD)

Maximum annual allocation from the Biscayne Aquifer shall not exceed 5,529.75 MG (15.15 MGD)

Maximum monthly allocation from the Floridan Aquifer System shall not exceed 264.56 MG

Maximum monthly allocation from the Biscayne Aquifer shall not exceed 488.19 MG

By Wellfield:

During the 5-Year Temporary Allocation:

Maximum annual allocation from the Biscayne Aquifer Western Wellfield shall not exceed 3,704.75 MG (10.15 MGD)

Maximum monthly allocation from the Biscayne Aquifer Western Wellfield shall not exceed 327.07 MG.

Maximum annual allocation from the Biscayne Aquifer Eastern Wellfield shall not exceed 2,737.5 MG (7.5 MGD)

Maximum monthly allocation from the Biscayne Aquifer Eastern Wellfield shall not exceed 241.68 MG.

Upon Completion of the 5-Year Temporary Allocation:

Maximum annual allocation from the Biscayne Aquifer Western Wellfield shall not exceed 3,704.75 MG (10.15 MGD).

Maximum monthly allocation from the Biscayne Aquifer Western Wellfield shall not exceed 327.07 MG.

Maximum annual allocation from the Biscayne Aquifer Eastern Wellfield shall not exceed 1,825.0 MG (5.0 MGD)

Maximum monthly allocation from the Biscayne Aquifer Eastern Wellfield shall not exceed 161.12 MG.

Upon satisfaction of Special Permit Condition 25, and receipt of an approved letter modification from the District, the City of Miramar source limits for the Biscayne aquifer Wellfields will be as
follows:

SPECIAL PERMIT CONDITIONS

Maximum annual allocation from the Biscayne Aquifer shall not exceed 5,737.80 MG (15.72 MGD)

Maximum monthly allocation from the Biscayne Aquifer shall not exceed 506.56 MG

Maximum annual allocation from the Biscayne Aquifer Western Wellfield shall not exceed 3,912.80 MG (10.72 MGM)

Maximum annual allocation from the Biscayne Aquifer Eastern Wellfield shall not exceed 1,825.00 MG (5.0 MGD)

Maximum monthly allocation from the Biscayne Aquifer Western Wellfield shall not exceed 345.44 MG

Maximum monthly allocation from the Biscayne Aquifer Eastern Wellfield shall not exceed 161.12 MG

From 20 years after permit issuance through the Permit duration, the Permit allocation shall be:

Source:

Floridan Aquifer System

2,996.65 MGY (8.21 MGD).

6. Withdrawal facilities:

   Groundwater - Proposed:

   1 - 20" X 110' X 2000 GPM Well Cased To 90 Feet
   7 - 18" X 1350' X 1400 GPM Wells Cased To 950 Feet

   Groundwater - Existing:

   2 - 18" X 1350' X 1400 GPM Wells Cased To 950 Feet
   1 - 18" X 70' X 2800 GPM Well Cased To 48 Feet
   4 - 24" X 150' X 1736 GPM Wells Cased To 110 Feet
   1 - 20" X 112' X 2800 GPM Well Cased To 93 Feet
   1 - 20" X 115' X 2800 GPM Well Cased To 88 Feet
   1 - 20" X 110' X 2800 GPM Well Cased To 90 Feet

7. The Permittee shall submit all data as required by the implementation schedule for each of the permit conditions to: SFWMD at www.sfwmd.gov/ePermitting, or Regulatory

SPECIAL PERMIT CONDITIONS

Support, 3301 Gun Club Road, West Palm Beach, FL 33406.

8. The Permittee must submit the appropriate application form incorporated by reference in Rule 40E-2.101, F.A.C., to the District prior to the permit expiration date in order to continue the use of water.

9. The Permittee shall secure a well construction permit prior to construction, repair, or abandonment of all wells, as described in Chapter 40E-3, F.A.C.

10. Every five years from the date of last calibration, the Permittee shall submit re-calibration data for each withdrawal facility.

11. Prior to any withdrawals at the project, the Permittee shall provide the results of the calibration testing of the identified water accounting method(s) and equip all existing and proposed withdrawal facilities with approved water use accounting method(s) pursuant to Subsection 4.1.1 of the Applicant's Handbook for Water Use Permit Applications within the South Florida Water Management District.

12. Monthly withdrawals for each withdrawal facility shall be reported to the District quarterly. The water accounting method and means of calibration shall be stated on each report.

13. The Permittee shall notify the District within 30 days of any change in service area boundary that results in a change in demand that affects its permitted allocation. The allocation shall be modified to effectuate such change.

14. If at any time there is an indication that the well casing, valves, or controls leak or have become inoperative, repairs or replacement shall be made to restore the system to an operating condition. Failure to make such repairs shall be cause for filling and abandoning the well, in accordance with procedures outlined in Chapter 40E-3, F.A.C.

15. The Permittee shall maintain an accurate flow meter at the intake of the water treatment plant for the purpose of measuring daily inflow of water.

16. The Standard Water Conservation Plan described in Subsection 2.3.2.F.1.a of the Applicant's Handbook for Water Use Permit Applications within the South Florida Water Management District and the Staff Report, must be implemented in accordance with the approved implementation schedule described in the following exhibit:

    See Exhibit 9, Application 230713-2.

SPECIAL PERMIT CONDITIONS

17. The Permittee shall submit to the District an updated "Summary of Groundwater (Well) Facilities" table ("Section IV - Sources of Water", Water Use Permit Application Form 1379) within 90 days of completion of the proposed wells identifying the actual total and cased depths, pump manufacturer and model numbers, pump types, intake depths and type of meters.

18. The Permittee shall notify the District within 30 days of entering into an inter-local agreement, contract, or other similar instrument to deliver or receive water outside of its service area or to serve a demand not identified to determine the allocation described in this permit. A copy of such agreement shall be provided to the District. The monthly volume of water delivered and/or received via each inter-local agreement, contract, or other similar instrument shall be submitted to the District at the same reporting frequency as the withdrawals for each withdrawal facility required in this permit.

19. The Permittee shall implement the wellfield operating plan submitted in support of the permit application, as described in the District staff report.

20. The Permittee shall determine unaccounted-for distribution system losses (for the entire distribution system) on a monthly basis, including the way these losses are calculated. Reports shall be submitted to the District on a yearly basis and are due by April 30th of each year.

    If unaccounted-for distribution system losses are greater than 10 percent for any given year, the Permittee shall submit to the District for approval, a formal leak detection program that meets the requirements of Subsection 4.1.2 of the Applicant's Handbook for Water Use Permit Applications within the South Florida Water Management District, to address the reduction of such water loss.

21. The Permittee shall maintain an accurate flow meter at the point of discharge from the treatment plant for the purpose of measuring the daily flow of water.

22. Entities that control, either directly or indirectly, a wastewater treatment plant and/or reuse distribution system, and which have determined pursuant to Section 403.064, F.S., that use of reclaimed water is feasible, must provide the District with annual updates of the following information: (A) the status of distribution system construction, including location and capacity of lines; (B) a summary of uncommitted supplies for the next year; (C) copies of any new or amended local mandatory reclaimed water reuse zone ordinances; and (D) a list of end-users who have contracted to receive reclaimed water and the agreed upon quantity of water to be delivered.

23. If a proposed well location is different from a location specified in the application, the Permittee shall submit to the District an evaluation of the impact of pumpage from the

SPECIAL PERMIT CONDITIONS

proposed well location on adjacent existing legal uses, pollution sources, environmental features, the saline water interface, and water bodies one month prior to all new well construction. The Permittee is advised the proposed well locations and resulting impacts must be in compliance with all permitting criteria and performance standards in effect at that time.

24. The Permittee shall submit and annual report to the District on April 30 of each year summarizing the progress towards expanding the reclaimed water system to provide an average minimum of 4.0 MGD to current and future irrigation users as offsets.

25. Prior to increasing the allocation from the Biscayne Aquifer Western Wellfield from 10.15 MGD to 10.72 MGD, the Permittee shall submit documentation that a minimum of 4.0 MGD of reclaimed water is being supplied to irrigation users consistent with Modeling Scenario 4 presented in the Staff Report issued March 14, 2016. Upon approval from the District, the permit shall be modified via letter modification to amend the source limits as described in Special Permit Condition 5. In the permit issued March 14, 2016, a technical analysis using groundwater flow modeling was conducted which demonstrated that the utility could provide reclaimed water to current users of the Biscayne aquifer and surface water sufficient to receive off-set credits to increase withdrawals from the WWF. Upon completion of this project, as described in the March 14, 2016 permit, the Permittee may request via letter modification to increase the source limit from the WWF to 3,912.8 MGY (10.72 MGD) and 345.44 MGM.

26. Pursuant to Section 373.236(4), F.S., every ten years from the date of permit issuance, the Permittee shall submit a water use compliance report for review and approval by District Staff to SFWMD at www.sfwmd.gov/ePermitting, or Regulatory Support, 3301 Gun Club Road, West Palm Beach, FL 33406.

27. The Permittee shall submit to the District an updated "Summary of Groundwater (Well) Facilities" table ("Section IV - Sources of Water", Water Use Permit Application Form 1379) within six months of permit issuance, identifying which wells have been properly plugged and abandoned according to subsection 40E-3.531 (3), F.A.C., and which wells are to be maintained as water level monitoring wells.

28. The Permittee shall submit to the District an updated "Summary of Groundwater (Well) or Surface Water (Pump or Culvert) Facilities" table ("Section IV - Sources of Water", Water Use Permit Application Form 1379) at least 30 days prior to a change in any facility status (e.g. installation, relocation, abandonment) to include all specifications of the well, pump or culvert (e.g. actual total and cased depths, pump manufacturer and model numbers, pump types, intake depths and type of meters, culvert type, length, cross-section, diameter, height, width, invert elevation, control device, and water use accounting method).

SPECIAL PERMIT CONDITIONS

29. The Permittee shall implement the following saline water intrusion monitoring program:

    The Permittee shall collect monthly chloride samples from monitor wells MCMW1, MCMW2, and MCMW3 monthly and submit the results to the District quarterly.

30. The Permittee shall continue to submit monitoring data in accordance with the approved water level monitoring program for this project.

    The Permittee shall collect water level elevation data in feet, NGVD from monitor wells MW1D, MW2S, MW2D, MW3S, MW3D, MCMW1, MCMW2, and MCMW3 monthly and submit the data to the District quarterly.

STANDARD PERMIT CONDITIONS

1. All water uses authorized by this permit shall be implemented as conditioned by this permit, including any documents incorporated by reference in a permit condition. The District may revoke this permit, in whole or in part, or take enforcement action, pursuant to Section 373.136 or 373.243, F.S., unless a permit modification has been obtained to address the noncompliance.

   The Permittee shall immediately notify the District in writing of any previously submitted material information that is later discovered to be inaccurate.

2. The Permittee is advised that this permit does not relieve any person from the requirement to obtain all necessary federal, state, local and special district authorizations.

3. The Permittee shall notify the District in writing within 30 days of any sale, transfer, or conveyance of ownership or any other loss of permitted legal control of the Project and/or related facilities from which the permitted consumptive use is made. Where Permittee's control of the land subject to the permit was demonstrated through a lease, the Permittee must either submit a new or modified lease showing that it continues to have legal control or documentation showing a transfer in control of the permitted system/project to the new landowner or new lessee. All transfers of ownership are subject to the requirements of Rule 40E-1.6107, F.A.C. Alternatively, the Permittee may surrender the consumptive use permit to the District, thereby relinquishing the right to conduct any activities under the permit.

4. Nothing in this permit should be construed to limit the authority of the District to declare a water shortage and issue orders pursuant to Chapter 373, F.S. In the event of a declared water shortage, the Permittee must adhere to the water shortage restrictions, as specified by the District. The Permittee is advised that during a water shortage, reports shall be submitted as required by District rule or order. The Permittee is advised that during a water shortage, pumpage, water levels, and water quality data shall be collected and submitted as required by District orders issued pursuant to Chapter 40E-21, F.A.C.

5. This permit does not convey to the Permittee any property rights or privileges other than those specified herein, nor relieve the permittee from complying with any applicable local government, state, or federal law, rule, or ordinance.

6. With advance notice to the Permittee, District staff with proper identification shall have permission to enter, inspect, observe, collect samples, and take measurements of permitted facilities to determine compliance with the permit conditions and permitted plans and specifications. The Permittee shall either accompany District staff onto the property or make provision for access onto the property.

7. A. The Permittee may seek modification of any term of an unexpired permit. The Permittee is advised that Section 373.239, F.S., and Rule 40E-2.331, F.A.C., are applicable to permit modifications.

   B. The Permittee shall notify the District in writing 30 days prior to any changes to the project that could potentially alter the reasonable demand reflected in the permitted allocation. Such changes include, but are not limited to, change in irrigated acreage, crop type, irrigation system, large users agreements, or water treatment method. Permittee will be required to apply for a modification of the permit for any changes in permitted allocation.

8. If any condition of the permit is violated, the permit shall be subject to review and modification, enforcement action, or revocation pursuant to Chapter 373, F.S.

9. The Permittee shall mitigate interference with existing legal uses that was caused in whole or in part by the Permittee's withdrawals, consistent with the approved mitigation plan. As necessary to offset the interference, mitigation will include pumpage reduction, replacement of the impacted individual's equipment, relocation of wells, change in withdrawal source, or other means.

   Interference to an existing legal use is defined as an impact that occurs under hydrologic conditions equal to or less severe than a 1-in-10 year drought event that results in the:

   A. Inability to withdraw water consistent with provisions of the permit, such as when remedial structural or operational actions not materially authorized by existing permits must be taken to address the interference; or

   B. Change in the quality of water pursuant to primary State Drinking Water Standards to the extent that the water can no longer be used for its authorized purpose, or such change is imminent.

10. The Permittee shall mitigate harm to the natural resources caused by the Permittee's withdrawals, as determined through reference to the conditions for permit issuance. When harm occurs, or is imminent, the District will require the Permittee to modify withdrawal rates or mitigate the harm. Harm, as determined through reference to the conditions for permit issuance includes:

    A. Reduction in ground or surface water levels that results in harmful lateral movement of the fresh water/salt water interface,

    B. Reduction in water levels that harm the hydroperiod of wetlands,

    C. Significant reduction in water levels or hydroperiod in a naturally occurring water body such as a lake or pond,

D. Harmful movement of contaminants in violation of state water quality standards, or

E. Harm to the natural system including damage to habitat for rare or endangered species.

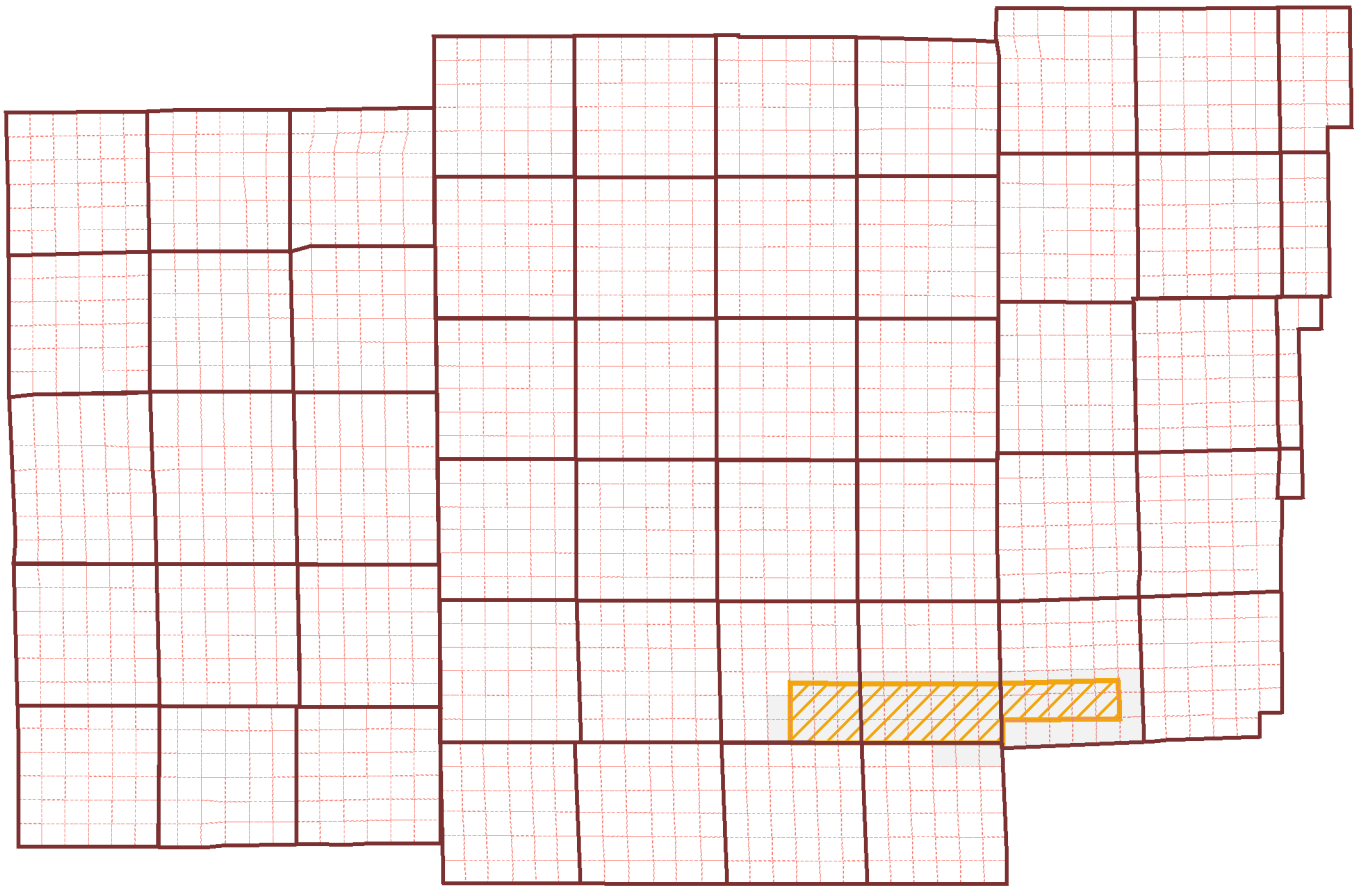
11. The Permittee shall mitigate harm to existing off-site land uses caused by the Permittee's withdrawals, as determined through reference to the conditions for permit issuance. When harm occurs, or is imminent, the District will require the Permittee to modify withdrawal rates or mitigate the harm. Harm as determined through reference to the conditions for permit issuance, includes:

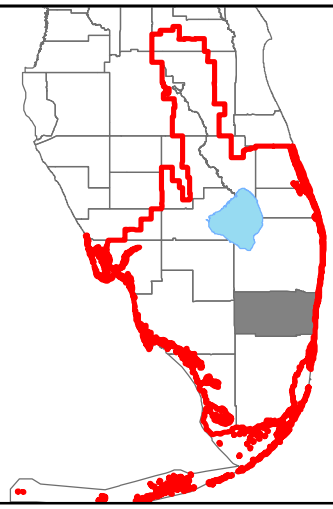
    A. Significant reduction in water levels on the property to the extent that the designed function of the water body and related surface water management improvements are damaged, not including aesthetic values. The designed function of a water body is identified in the original permit or other governmental authorization issued for the construction of the water body. In cases where a permit was not required, the designed function shall be determined based on the purpose for the original construction of the water body (e.g. fill for construction, mining, drainage canal, etc.)

    B. Damage to agriculture, including damage resulting from reduction in soil moisture resulting from consumptive use; or,

    C. Land collapse or subsidence caused by reduction in water levels associated with consumptive use.

EXHIBIT B





BROWARD COUNTY, FLORIDA

N

Map Date: 2024-01-23

Application No: 230713-2

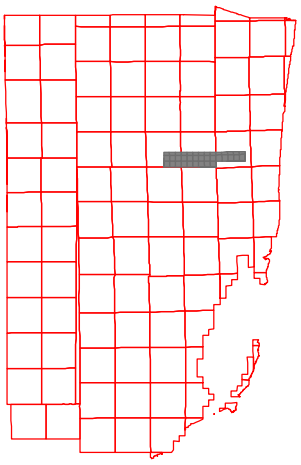
Permit No: 06-00054-W

Project Name: CITY OF MIRAMAR PUBLIC WATER SUPPLY

0 10 20 Miles

Exhibit No: 1





BROWARD COUNTY, FLORIDA

N

WELL

Application

Application No: 230713-2

Permit No: 06-00054-W

Project Name: CITY OF MIRAMAR PUBLIC WATER SUPPLY

Map Date: 2024-01-23

0 2.5 5 Miles

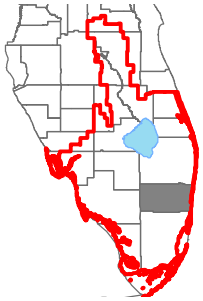
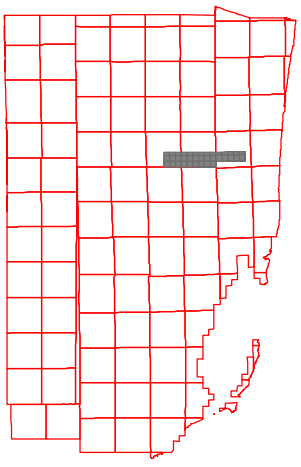


Exhibit No: 2





BROWARD COUNTY, FLORIDA

N

WELL

Application

Application No: 230713-2

Permit No: 06-00054-W

Project Name: CITY OF MIRAMAR PUBLIC WATER SUPPLY

Map Date: 2024-01-23

0 0.3 0.6 Miles

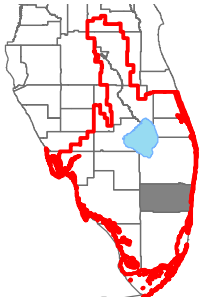
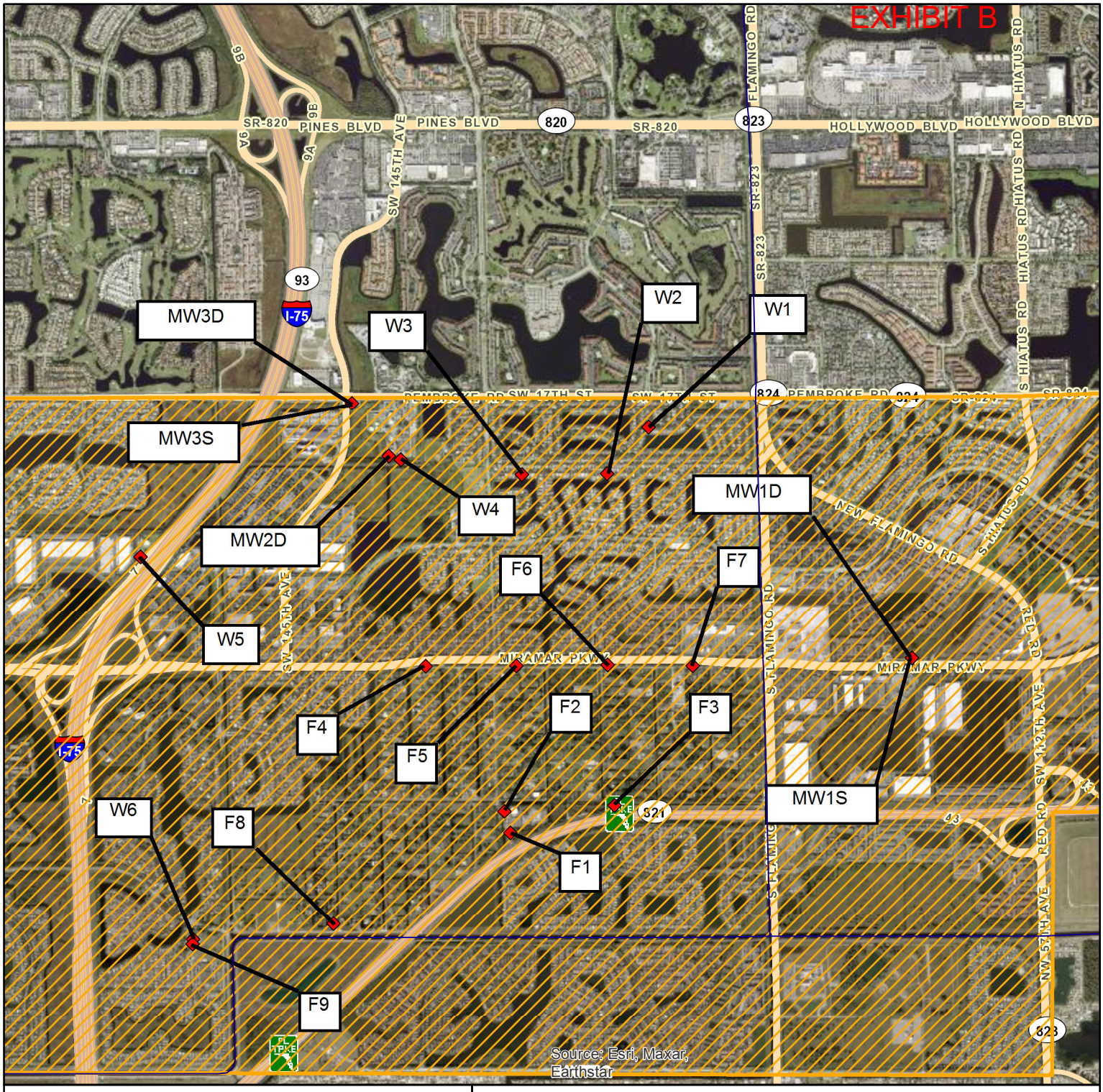
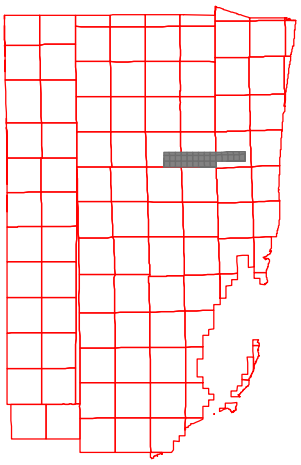


Exhibit No: 3A





BROWARD COUNTY, FLORIDA

N

WELL

Application

Application No: 230713-2

Permit No: 06-00054-W

Project Name: CITY OF MIRAMAR PUBLIC WATER SUPPLY

Map Date: 2024-02-22

0 0.5 1 Miles

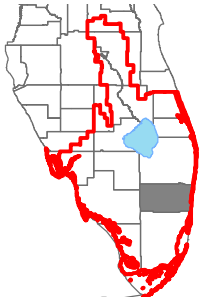


Exhibit No: 3B

EXHIBIT B

TABLE - A
Description Of Wells.

Application Number: 230713-2

Well ID	277611	277610	277617	277615	295030	32352
Name	E-1N	E-2N	E-3N	E-4N	E-5N	W1
Map Designator	E-1N	E-2N	E-3N	E-4N	E-5N	W1
FLUWID Number						
Well Field						
Existing/Proposed	E	E	E	E	P	E
Well Diameter(Inches)	24	24	24	24	20	20
Total Depth(feet)	150	150	150	150	110	110
Cased Depth(feet)	110	110	110	110	90	90
Facility Elev. (ft. NGVD)						
Screened Interval						
From						0
To						0
Pumped Or Flowing	P	P	P	P	P	P
Pump Type	Submersible	Submersible	Submersible	Submersible	Submersible	Submersible
Pump Int. Elev.						
Feet (NGVD)						
Feet (BLS)	-35	-35	-35	-35		-36.7
Pump Capacity(GPM)	1736	1736	1736	1736	2000	2800
Year Drilled						
Planar Location						
Source	APPLICANT	APPLICANT	APPLICANT	APPLICANT		DIGITIZED
Feet East	911926	912162	912521	912521	910639	880089
Feet North	601458	601279	599506	599589	602679	603194
Accounting Method	Flow Meter	Flow Meter	Flow Meter	Flow Meter	Flow Meter	Flow Meter
Use Status	Primary	Primary	Primary	Primary	Primary	Primary
Water Use Type	Public Water Supply	Public Water Supply	Public Water Supply	Public Water Supply	Public Water Supply	Public Water Supply
Aquifer	Biscayne Aquifer	Biscayne Aquifer	Biscayne Aquifer	Biscayne Aquifer	Biscayne Aquifer	Biscayne Aquifer

Exhibit No: 4

EXHIBIT B

TABLE - A
Description Of Wells.

Application Number: 230713-2

Well ID	32353	32354	32355	32342	106830	224097
Name	W2	W3	W4	W5	W6	F1
Map Designator	W2	W3	W4	W5	W6	F1
FLUWID Number						
Well Field						
Existing/Proposed	E	E	E	E	E	E
Well Diameter(Inches)	20	20	18	24	24	18
Total Depth(feet)	115	112	70	100	104	1350
Cased Depth(feet)	88	93	48	82	82	950
Facility Elev. (ft. NGVD)						
Screened Interval						
From	0	0	0	0	0	
To	0	0	0	0	0	
Pumped Or Flowing	P	P	P	P	P	P
Pump Type	Submersible	Submersible	Submersible	Submersible	Submersible	Submersible
Pump Int. Elev.						
Feet (NGVD)						
Feet (BLS)	-36.8	-36.9				125
Pump Capacity(GPM)	2800	2800	2800	0	0	1400
Year Drilled						
Planar Location						
Source	DIGITIZED	DIGITIZED	DIGITIZED	DIGITIZED	DIGITIZED	APPLICANT
Feet East	879280	877615	875239	870148	871215	877421
Feet North	602288	602263	602535	600622	593154	595269
Accounting Method	Flow Meter	Flow Meter	Flow Meter	Flow Meter	Flow Meter	Flow Meter
Use Status	Primary	Primary	Primary	Capped	Capped	Primary
Water Use Type	Public Water Supply	Public Water Supply	Public Water Supply	Public Water Supply	Public Water Supply Unspecified	Public Water Supply
Aquifer	Biscayne Aquifer	Biscayne Aquifer	Biscayne Aquifer	Biscayne Aquifer	Biscayne Aquifer	Floridan Aquifer System

EXHIBIT B

TABLE - A

Description Of Wells.

Application Number: 230713-2

Well ID	224098	224102	295023	295025	295026	295027
Name	F2	F3	F4	F5	F6	F7
Map Designator	F2	F3	F4	f5	F6	F7
FLUWID Number						
Well Field						
Existing/Proposed	E	P	P	P	P	P
Well Diameter(Inches)	18	18	18	18	18	18
Total Depth(feet)	1350	1350	1350	1350	1350	1350
Cased Depth(feet)	950	950	950	950	950	950
Facility Elev. (ft. NGVD)						
Screened Interval						
From						
To						
Pumped Or Flowing	P	P	P	P	P	P
Pump Type	Submersible	Submersible	Submersible	Submersible	Submersible	Submersible
Pump Int. Elev.						
Feet (NGVD)						
Feet (BLS)	125	125				
Pump Capacity(GPM)	1400	1400	1400	1400	1400	1400
Year Drilled						
Planar Location						
Source	APPLICANT	APPLICANT				
Feet East	877303	879462	875744	877519	879307	880980
Feet North	595693	595819	598508	598533	598559	598546
Accounting Method	Flow Meter	Flow Meter	Flow Meter	Flow Meter	Flow Meter	Flow Meter
Use Status	Primary	Standby	Primary	Primary	Primary	Primary
Water Use Type	Public Water Supply	Public Water Supply	Public Water Supply	Public Water Supply	Public Water Supply	Public Water Supply
Aquifer	Floridan Aquifer System	Floridan Aquifer System	Floridan Aquifer System	Floridan Aquifer System	Floridan Aquifer System	Floridan Aquifer System

Exhibit No: 4

EXHIBIT B

TABLE - A

Description Of Wells.

Application Number: 230713-2

Well ID	295028	295029	136629	136630	136633	136650
Name	F8	F9	MCMW1	MCMW2	MCMW3	MW1S
Map Designator	F8	F9	MCMW1	MCMW2	MCMW3	MW1S
FLUWID Number						
Well Field						
Existing/Proposed	P	P	E	E	E	E
Well Diameter(Inches)	18	18	2			
Total Depth(feet)	1350	1350	120	120	120	
Cased Depth(feet)	950	950	30	30	30	
Facility Elev. (ft. NGVD)						
Screened Interval						
From						
To						
Pumped Or Flowing	P	P	P			
Pump Type	Submersible	Submersible	None	None	None	None
Pump Int. Elev.						
Feet (NGVD)						
Feet (BLS)						
Pump Capacity(GPM)	1400	1400	0	0	0	0
Year Drilled						
Planar Location						
Source			DIGITIZED	DIGITIZED	DIGITIZED	
Feet East	873969	871204	914018	914088	911739	885275
Feet North	593478	593067	600927	599598	603569	598725
Accounting Method	Flow Meter	Flow Meter	None	None	None	None
Use Status	Primary	Primary	Monitor	Monitor	Monitor	Monitor
Water Use Type	Public Water Supply	Public Water Supply	Monitor	Monitor	Monitor	Monitor
Aquifer	Floridan Aquifer System	Floridan Aquifer System	Biscayne Aquifer	Biscayne Aquifer	Biscayne Aquifer	Biscayne Aquifer

EXHIBIT B

TABLE - A

Description Of Wells.

Application Number: 230713-2

Well ID	136634	136639	136637	136641	136640
Name	MW1D	MW2S	MW2D	MW3S	MW3D
Map Designator	MW1D	MW2S	MW2D	MW3S	MW3D
FLUWID Number					
Well Field					
Existing/Proposed	E	E	E	E	E
Well Diameter(Inches)					
Total Depth(feet)	95	15	85	15	87
Cased Depth(feet)					
Facility Elev. (ft. NGVD)					
Screened Interval					
From					
To					
Pumped Or Flowing					
Pump Type	None	None	None	None	None
Pump Int. Elev.					
Feet (NGVD)					
Feet (BLS)					
Pump Capacity(GPM)	0	0	0	0	0
Year Drilled					
Planar Location					
Source					
Feet East	885270	911893.8952350524	875005	874275	874270
Feet North	598725	601108.2825083222	602610	603640	603640
Accounting Method	None	None	None	None	None
Use Status	Monitor	Monitor	Monitor	Monitor	Monitor
Water Use Type	Monitor	Monitor	Monitor	Monitor	Monitor
Aquifer	Biscayne Aquifer	Biscayne Aquifer	Biscayne Aquifer	Biscayne Aquifer	Biscayne Aquifer

Exhibit No: 4

EXHIBIT B

Table 2. Historical Average and Maximum Monthly Raw Water Withdrawals

Year	Average Month (MG)	Maximum Month (MG)	Max Month: Avg Month Ratio
2020	503.56	530.00	1.05
2021	509.05	544.51	1.07
2022	517.72	544.81	1.05
	3-Year Average		**1.06**

-

EXHIBIT B

City of Miramar Population And Demand Projections

Maximization of Biscyane Aquifer

Year	Projected Population	Treated Per Capita Use (gpcd)[1]	Total Treated Water Use (MGD)[2]	Total Average Day Raw Water Use (MGD)[3]	Raw Per Capita Use (gpcd)	FAS Average Day Raw Demand (MGD)	BA Western Wellfield Average Day Raw Demand (MGD)	BA Eastern Wellfield Average Day Raw Water Demand (MGD)[4]	Maximum Monthly Use (MGD)	Ratio Max:Avg Month[5]	Annual Use (MG)	Maximum Month (MG)
2023	134,324	115.73	15.55	19.43	144.66	3.28	10.15	7.50	20.60	1.06	7092.55	626.17
2024	136,194	115.73	15.76	19.70	144.66	3.55	10.15	7.50	20.88	1.06	7191.28	634.88
2025	138,063	115.73	15.98	19.97	144.66	3.82	10.15	7.50	21.17	1.06	7290.00	643.60
2026	138,755	115.73	16.06	20.07	144.66	3.92	10.15	7.50	21.28	1.06	7326.49	646.82
2027	139,446	115.73	16.14	20.17	144.66	4.02	10.15	7.50	21.38	1.06	7362.98	650.04
2028	140,137	115.73	16.22	20.27	144.66	4.12	10.15	7.50	21.49	1.06	7399.47	653.26
2029	140,828	115.73	16.30	20.37	144.66	4.22	10.15	7.50	21.59	1.06	7435.97	656.48
2030	141,519	115.73	16.38	20.47	144.66	4.32	10.15	7.50	21.70	1.06	7472.46	659.71
2031	141,984	115.73	16.43	20.54	144.66	4.39	10.15	7.50	21.77	1.06	7497.02	661.87
2032	142,449	115.73	16.49	20.61	144.66	4.46	10.15	7.50	21.84	1.06	7521.58	664.04
2033	142,914	115.73	16.54	20.67	144.66	4.52	10.15	7.50	21.91	1.06	7546.14	666.21
2034	143,380	115.73	16.59	20.74	144.66	4.59	10.15	7.50	21.99	1.06	7570.70	668.38
2035	143,845	115.73	16.65	20.81	144.66	4.66	10.15	7.50	22.06	1.06	7595.27	670.55
2036	144,192	115.73	16.69	20.86	144.66	4.71	10.15	7.50	22.11	1.06	7613.61	672.17
2037	144,539	115.73	16.73	20.91	144.66	4.76	10.15	7.50	22.16	1.06	7631.94	673.79
2038	144,887	115.73	16.77	20.96	144.66	4.81	10.15	7.50	22.22	1.06	7650.28	675.40
2039	145,234	115.73	16.81	21.01	144.66	4.86	10.15	7.50	22.27	1.06	7668.62	677.02
2040	145,581	115.73	16.85	21.06	144.66	4.91	10.15	7.50	22.32	1.06	7686.96	678.64
2041	145,931	115.73	16.89	21.11	144.66	4.96	10.15	7.50	22.38	1.06	7705.41	680.27
2042	146,280	115.73	16.93	21.16	144.66	5.01	10.15	7.50	22.43	1.06	7723.85	681.90
2043	**146,629**	**115.73**	**16.97**	**21.21**	**144.66**	**5.06**	**10.15**	**7.50**	**22.48**	**1.06**	**7742.30**	**683.53**
2044	146,979	115.73	17.01	21.26	144.66	5.11	10.15	7.50	22.54	1.06	7760.74	685.16
2045	147,328	115.73	17.05	21.31	144.66	5.16	10.15	7.50	22.59	1.06	7779.19	686.79
2046	147,679	115.73	17.09	21.36	144.66	5.21	10.15	7.50	22.65	1.06	7797.74	688.42
2047	148,031	115.73	17.13	21.41	144.66	5.26	10.15	7.50	22.70	1.06	7816.29	690.06
2048	148,382	115.73	17.17	21.47	144.66	5.32	10.15	7.50	22.75	1.06	7834.84	691.70
2049	148,733	115.73	17.21	21.52	144.66	5.37	10.15	7.50	22.81	1.06	7853.39	693.34
2050	149,085	115.73	17.25	21.57	144.66	5.42	10.15	7.50	22.86	1.06	7871.94	694.97
2051	149,438	115.73	17.29	21.62	144.66	5.47	10.15	7.50	22.92	1.06	7890.60	696.62
2052	149,791	115.73	17.34	21.67	144.66	5.52	10.15	7.50	22.97	1.06	7909.26	698.27
2053	**150,145**	**115.73**	**17.38**	**21.72**	**144.66**	**5.57**	**10.15**	**7.50**	**23.02**	**1.06**	**7927.91**	**699.92**

[1]Calculated Treated Per Capita Rate is 105.98 gpcd based on the highest calculated gpcd in the last 5 years

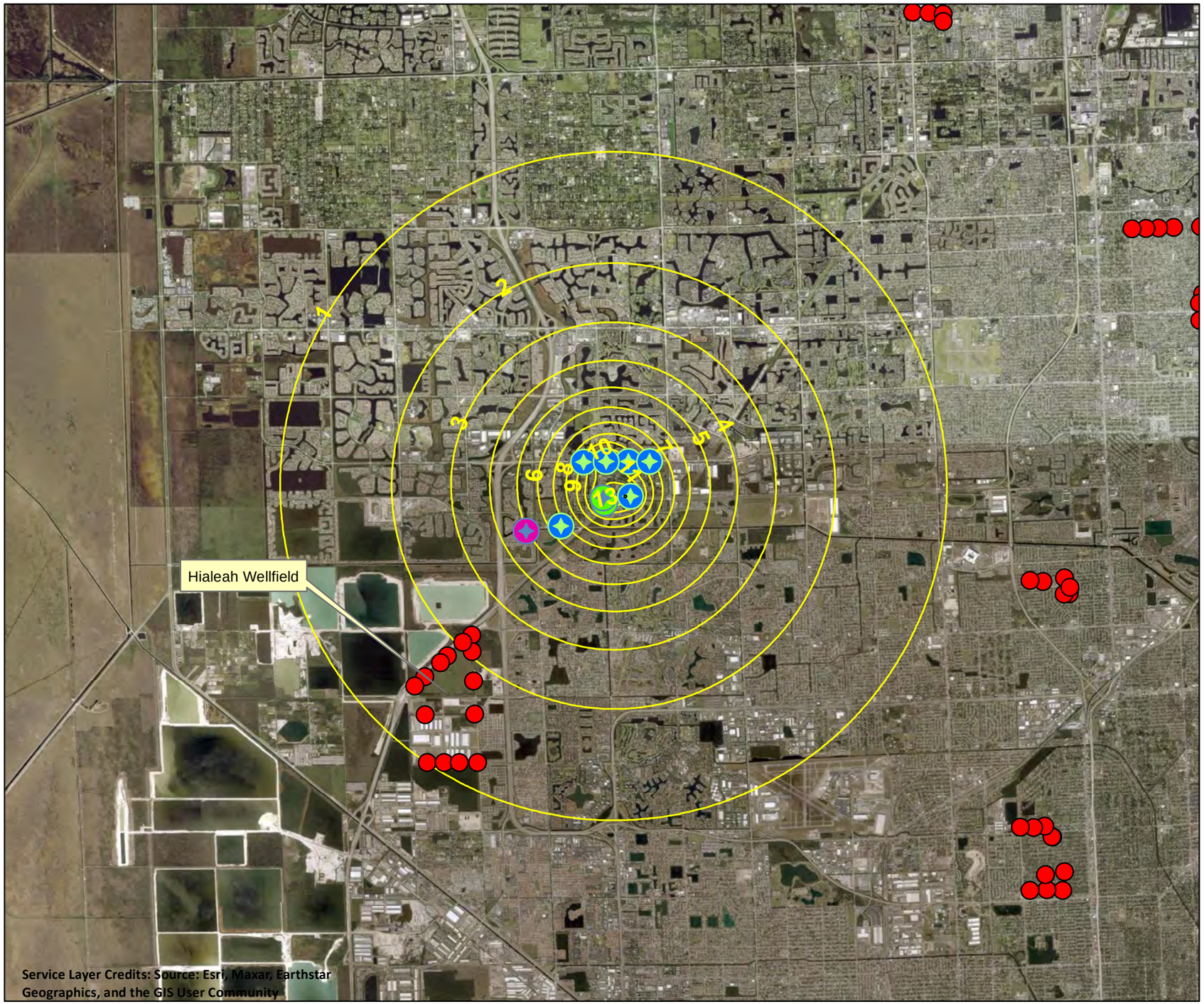
[2]Average day treated water use

[3]Calculated with following assumption: 80% average treatment recovery rate or factor of 1.25

[4]Additional 25% BA Eastern Wellfield raw water supply for operational flexibility

[5]Average Month to Max Month Ratio is 1.06 (calculated using last three years of record)

EXHIBIT B



Legend

- Mirmar Currently Permitted FAS Well Locations
- Miramar New Proposed Well Locations
- Miramar Currently Permitted Proposed FAS Well Location
- Existing Legal Users of FAS
- Model-Predicted Drawdown in FAS for Model Scenario 1A-3 Wells Pumping 3.96 MGD Total (1-ft CI)

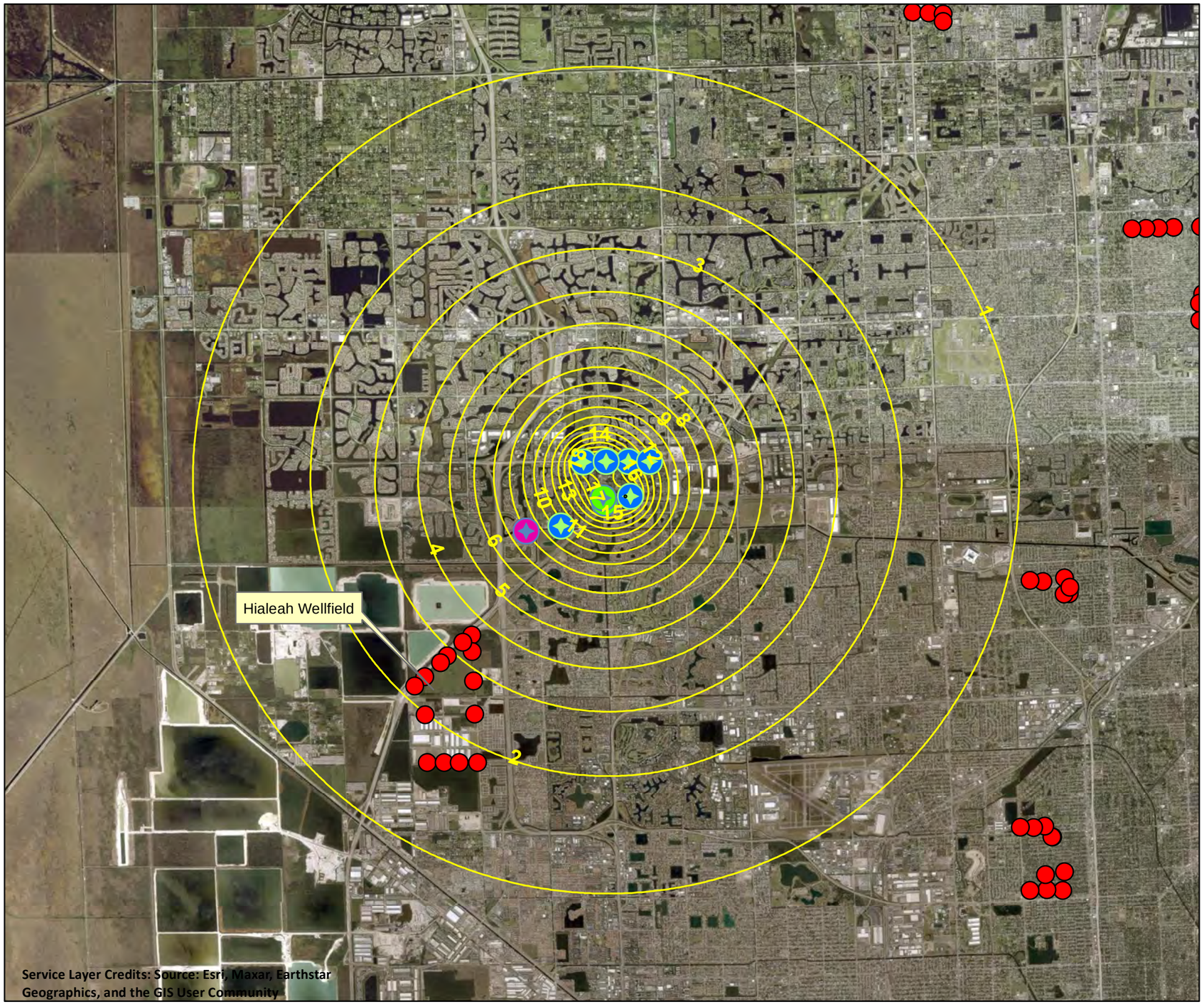
0 2.5 5 Miles

FIGURE TITLE:

CITY OF MIRAMAR - SCENARIO 1A FAS IMPACT ASSESSMENT - MODEL PREDICTED DRAWDOWN WITHIN FAS WHEN PUMPING 3 WELLS AT 1.32 MGD (3.96 MGD TOTAL)

DATE: 11/02/2023	JLA Geosciences, Inc.
DRAWN BY: ADS	FIGURE NO.: 2
PROJECT NO.:	

EXHIBIT B



Legend

- Mirmar Currently Permitted FAS Well Locations
- Miramar New Proposed Well Locations
- Miramar Currently Permitted Proposed FAS Well Location
- Existing Legal Users of FAS
- Model-Predicted Drawdown in FAS for Model Scenario 2A - 4 Wells Pumping 6.29 MGD Total (1-ft CI)

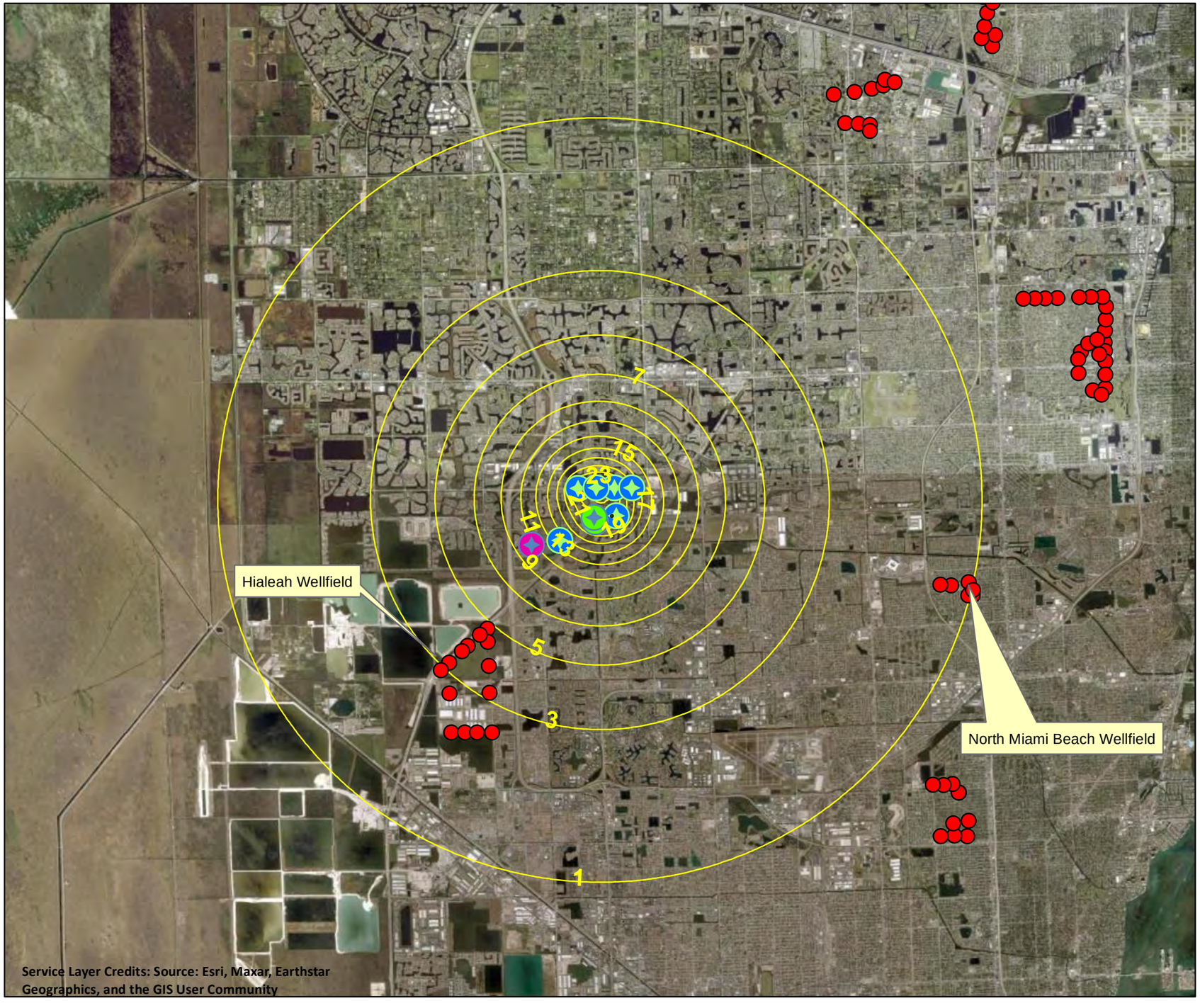
0 2.5 5 Miles

FIGURE TITLE:

CITY OF MIRAMAR - SCENARIO 2A FAS IMPACT ASSESSMENT - MODEL PREDICTED DRAWDOWN WITHIN FAS WHEN PUMPING 4 WELLS AT 1.57 MGD (6.29 MGD TOTAL)

DATE: 11/02/2023	JLA Geosciences, Inc.
DRAWN BY: ADS	FIGURE NO.: 3
PROJECT NO.:	

EXHIBIT B



Legend

- Mirmar Currently Permitted FAS Well Locations
- Miramar New Proposed Well Locations
- Miramar Currently Permitted Proposed FAS Well Location
- Existing Legal Users of FAS
- Model-Predicted Drawdown in FAS for Model Scenario 3A - 5 Wells Pumping 8.70 MGD Total (2-ft CI)

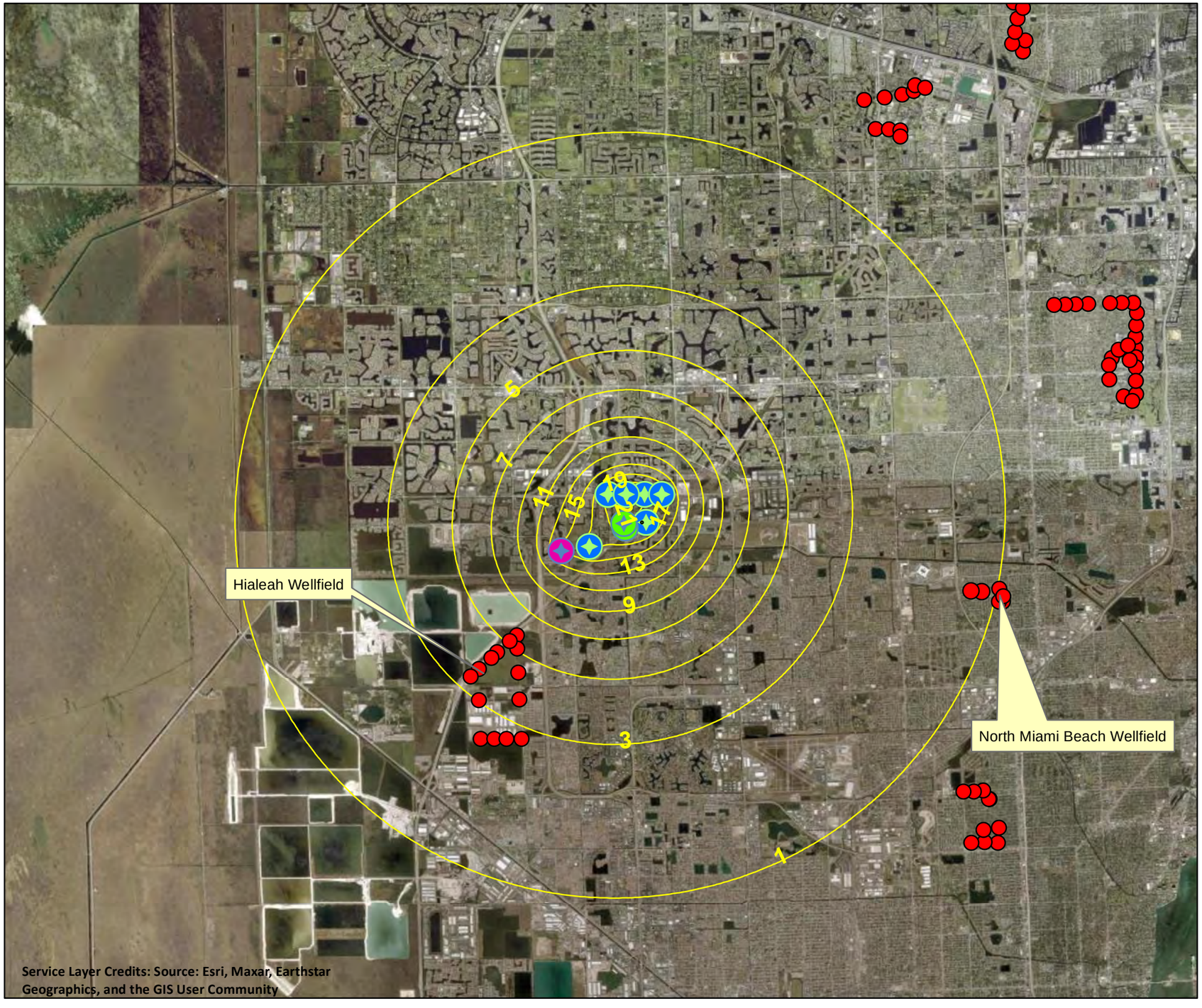
0 3 6 Miles

FIGURE TITLE:

CITY OF MIRAMAR - SCENARIO 3A FAS IMPACT ASSESSMENT - MODEL PREDICTED DRAWDOWN WITHIN FAS WHEN PUMPING 5 WELLS AT 1.74 MGD (8.70 MGD TOTAL)

DATE: 11/08/2023	JLA Geosciences, Inc.
DRAWN BY: ADS	FIGURE NO.: 4
PROJECT NO.:	

EXHIBIT B



Legend

- Mirmar Currently Permitted FAS Well Locations
- Miramar New Proposed Well Locations
- Miramar Currently Permitted Proposed FAS Well Location
- Existing Legal Users of FAS
- Model-Predicted Drawdown in FAS for Model Scenario 3B - 8 Wells Pumping 8.70 MGD Total (2-ft CI)

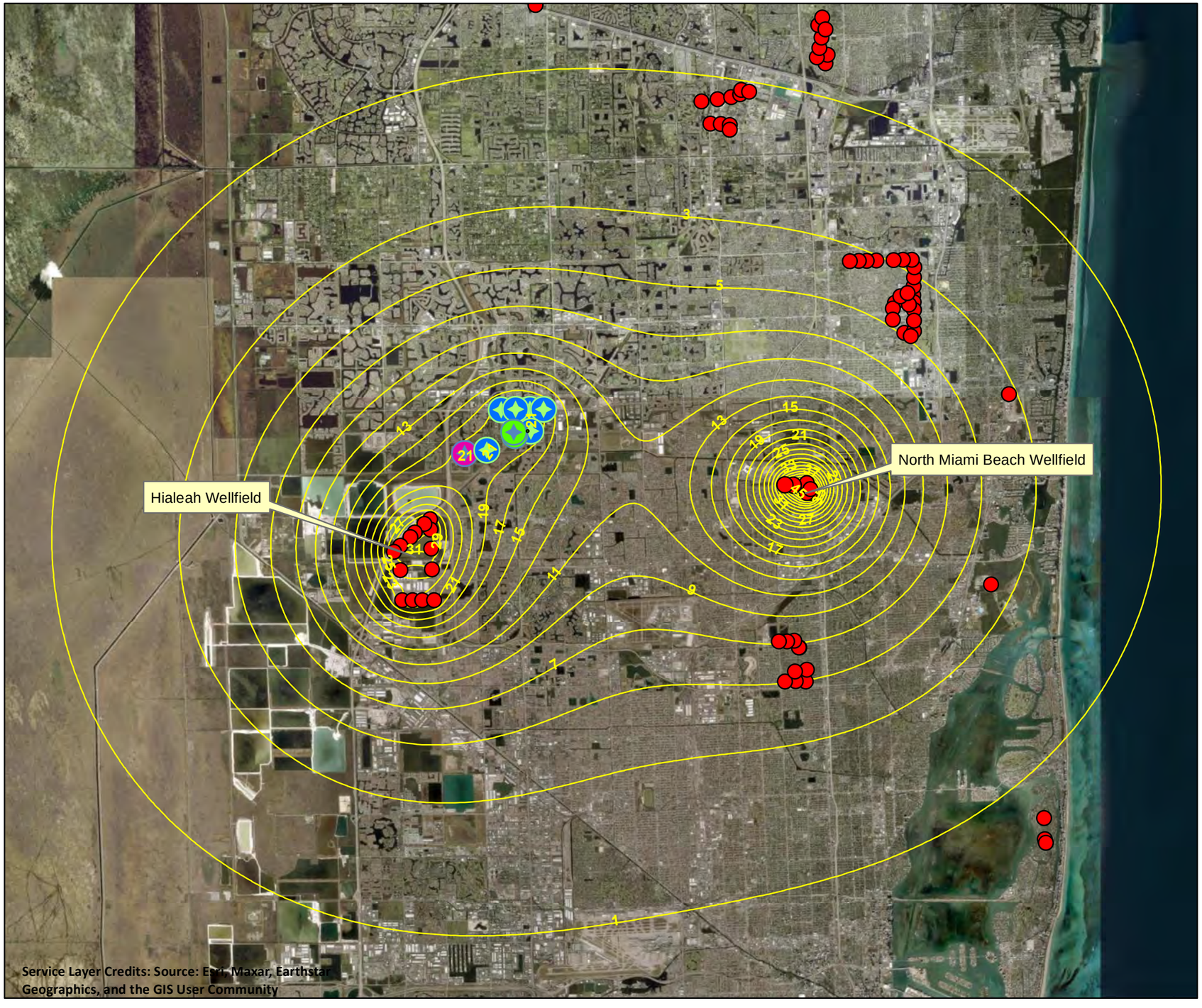
0 3 6 Miles

FIGURE TITLE:

CITY OF MIRAMAR - SCENARIO 3B FAS IMPACT ASSESSMENT - MODEL PREDICTED DRAWDOWN WITHIN FAS WHEN PUMPING 8 WELLS AT 1.09 MGD (8.70 MGD TOTAL)

DATE: 11/08/2023	JLA Geosciences, Inc.
DRAWN BY: ADS	FIGURE NO.: 5
PROJECT NO.:	

EXHIBIT B



Legend

- Mirmar Currently Permitted FAS Well Locations
- Miramar New Proposed Well Locations
- Miramar Currently Permitted Proposed FAS Well Location
- Existing Legal Users of FAS
- Model-Predicted Drawdown in FAS with Project Wells at 8.70 MGD and Hialeah and North Miami Beach at Permitted Rates

0 3.75 7.5 Miles

FIGURE TITLE:

CITY OF MIRAMAR - CUMULATIVE SCENARIO FAS IMPACT ASSESSMENT MODEL PREDICTED DRAWDOWN WITHIN FAS WHEN PROJECT WELLS AT 8.70 MGD AND HIALEAH AND NORTH MIAMI BEACH AT PERMITTED WITHDRAWAL RATES

DATE: 11/08/2023	JLA Geosciences, Inc.
DRAWN BY: ADS	FIGURE NO.: 6
PROJECT NO.:	

EXHIBIT B

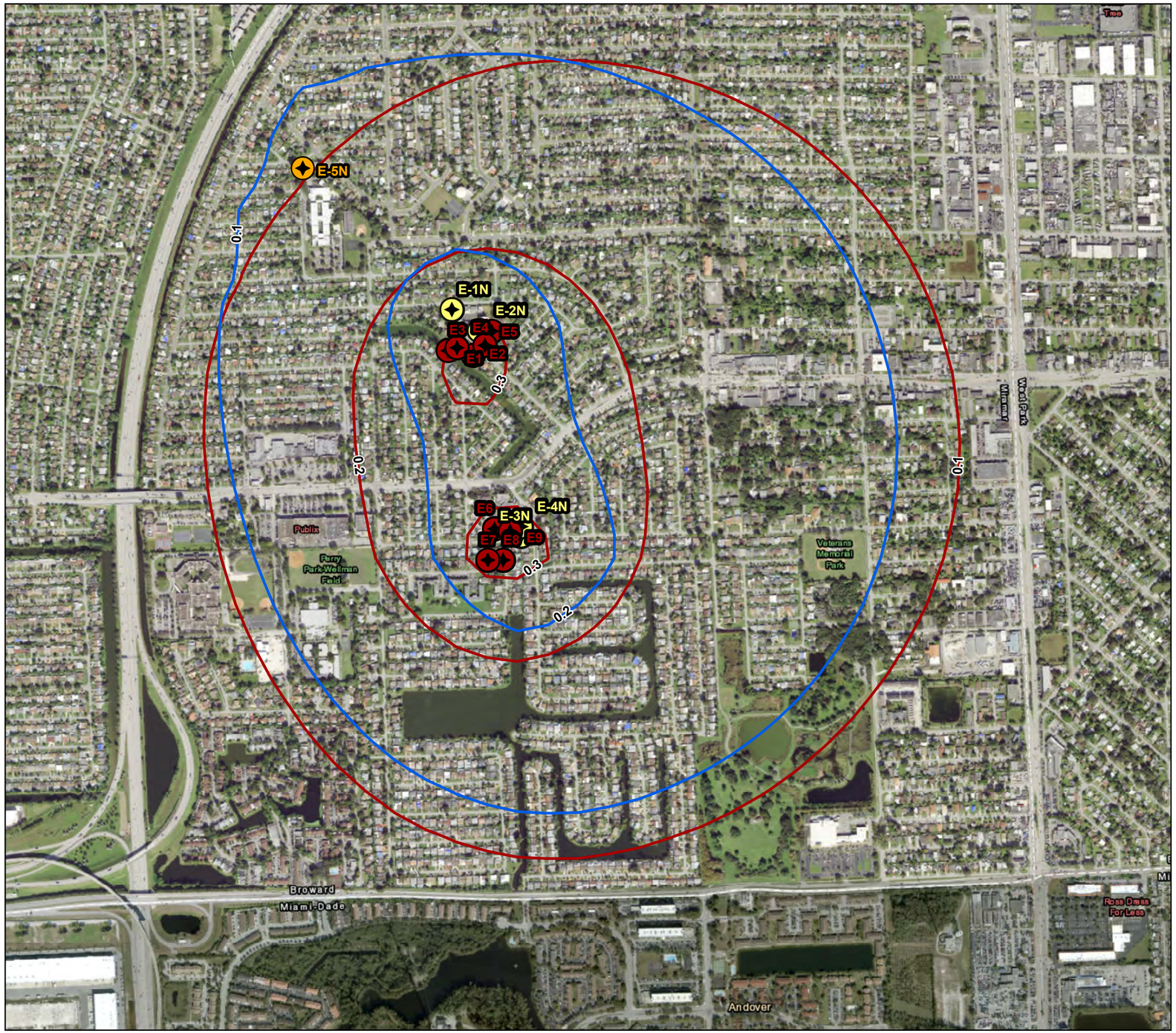


FIGURE TITLE:

MIRAMAR

DIFFERENCE IN DRAWDOWN

EXISTING WELLS + PROPOSED WELL (5 MGD) Vs. OLD WELLS (5 MGD)

Legend

- Old Well
- Proposed Well
- Existing Well
- Existing Wells + Proposed_DD (5 MGD)
- Old Wells (E1-E9) DD (5 MGD)

N

0 750 1,500 3,000 Feet

DATE: 7/3/2023	JLA Geosciences, Inc.
DRAWN BY: CLZ	**FIGURE NO.:**
PROJECT NO.:	**1**

EXHIBIT B

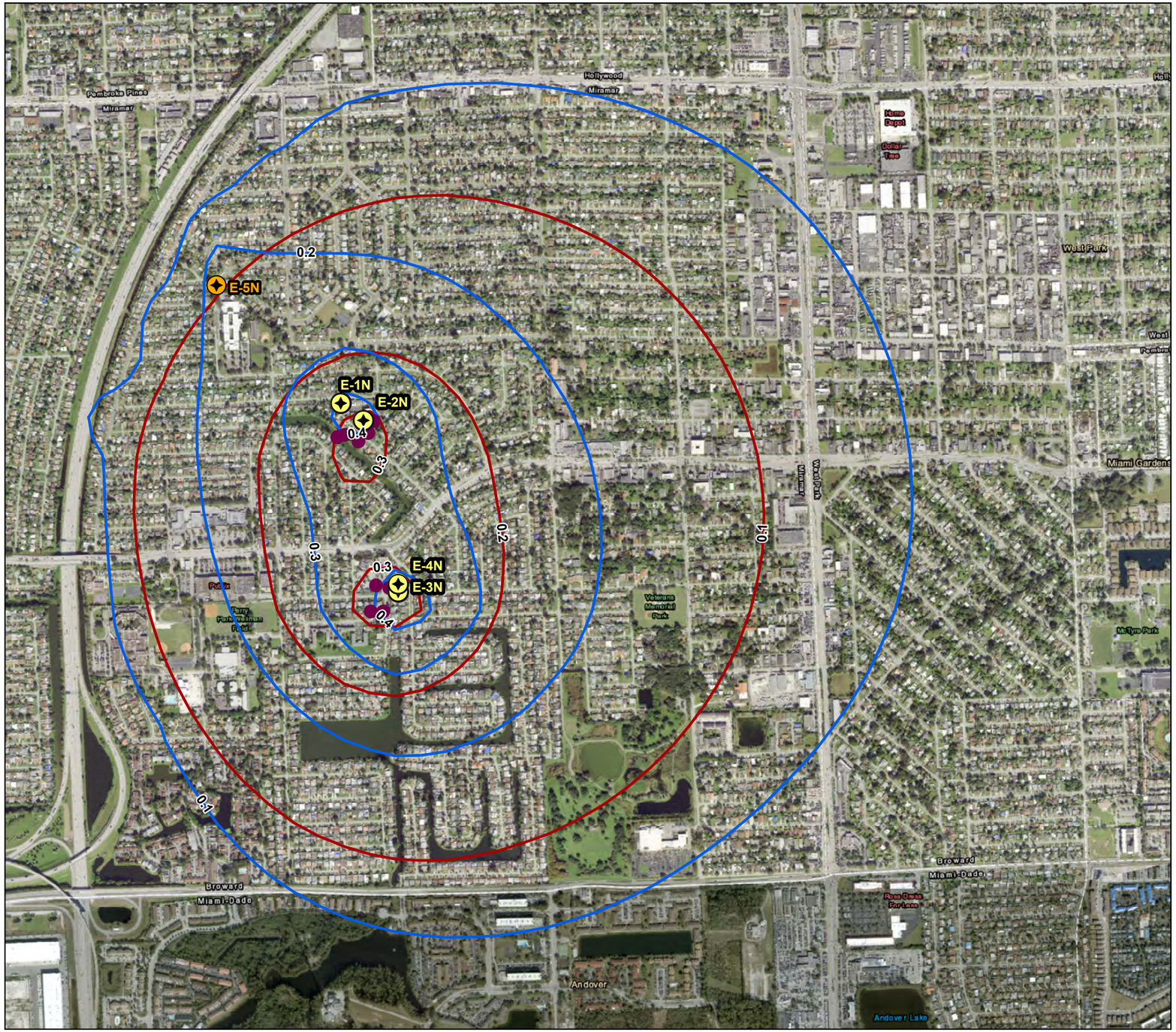


FIGURE TITLE:

MIRAMAR

DIFFERENCE IN DRAWDOWN

EXISTING WELLS + PROP. WELL (7.66 MGD)
Vs.
ABANDONED WELLS (5.0 MGD)

Legend

- Existing Well
- Abandoned Well
- Proposed Well
- Existing Wells + Prop Well (7.66 MGD)
- Old Wells (E1-E9) DD (5 MGD)

N

0 900 1,800 3,600 Feet

DATE: 7/10/2023	JLA Geosciences, Inc.
DRAWN BY: CLZ	FIGURE NO.: 2
PROJECT NO.:	

EXHIBIT B

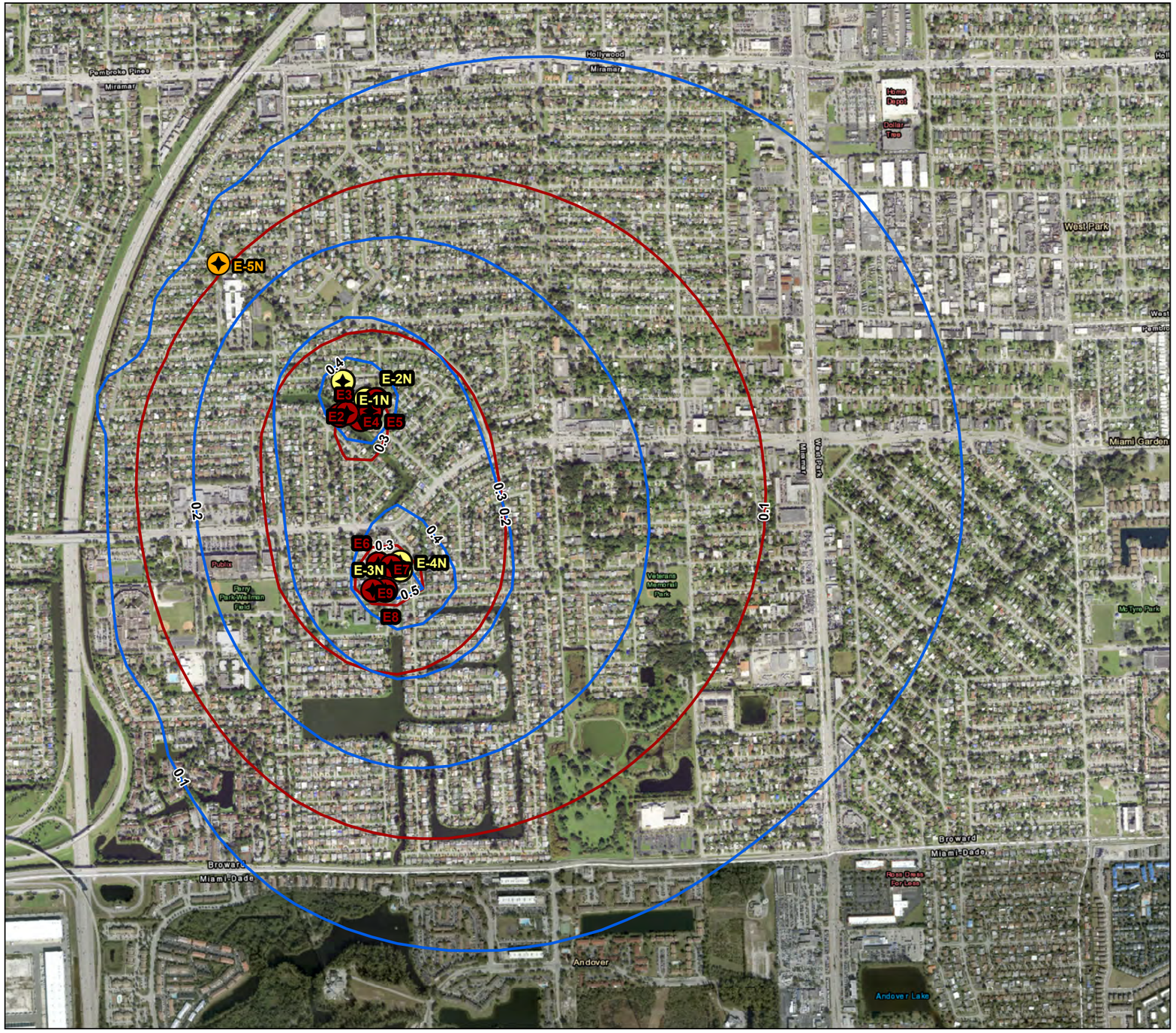


FIGURE TITLE:

MIRAMAR

MGD DIFFERENCE IN DRAWDOWN

EXISTING WELLS (7.5 MGD)
Vs.
OLD WELLS (5.0 MGD)

Legend

- Old Well
- Proposed Well
- Existing Well
- Existing Wells DD (7.5 MGD)
- Old Wells (E1-E9) DD (5 MGD)

*Proposed well is not pumping

N

0 900 1,800 3,600 Feet

DATE: 7/3/2023	JLA Geosciences, Inc.
DRAWN BY: CLZ	FIGURE NO.:
PROJECT NO.:	3

EXHIBIT B

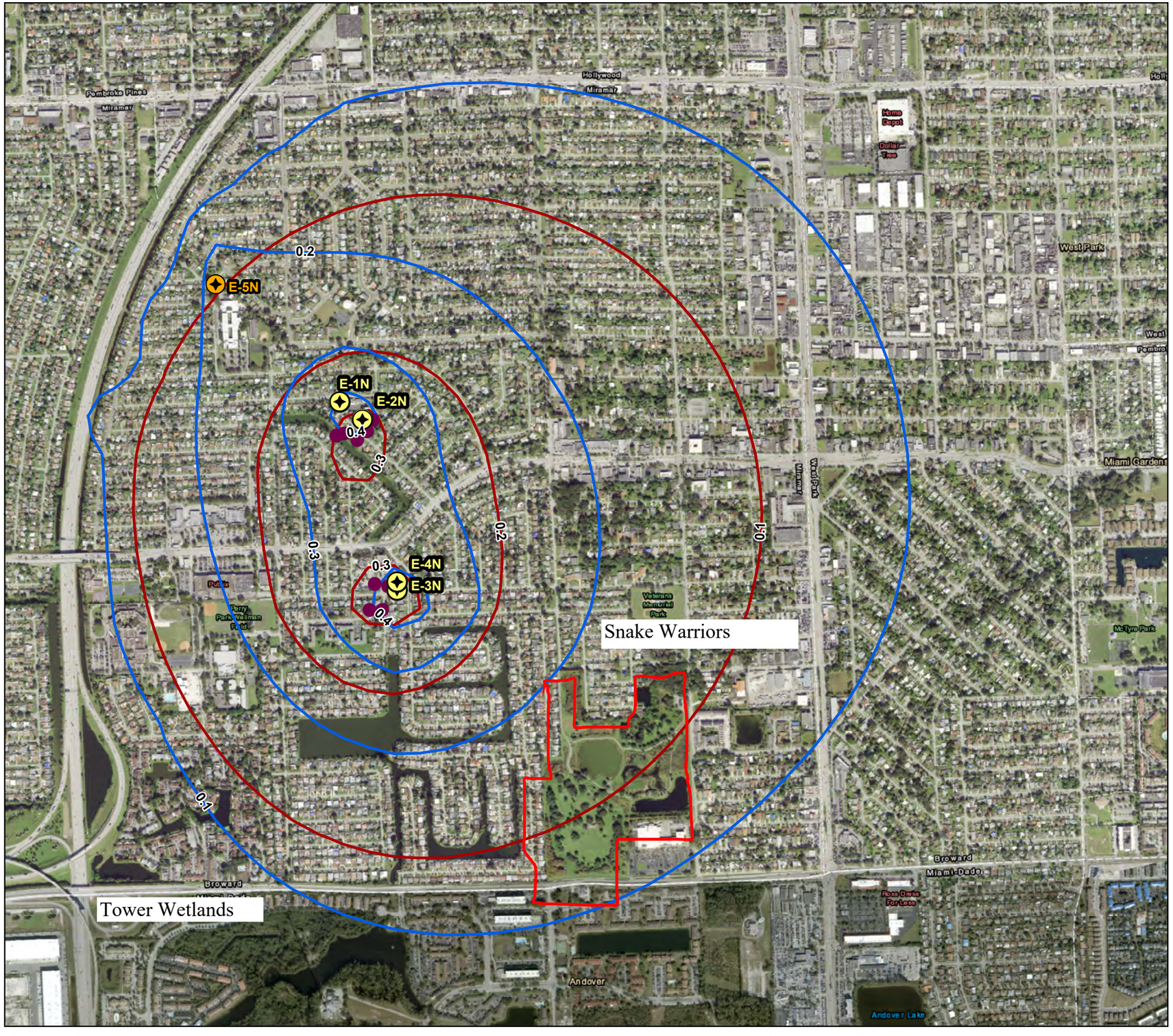


FIGURE TITLE:

MIRAMAR

DIFFERENCE IN DRAWDOWN

EXISTING WELLS + PROP. WELL (7.66 MGD)
Vs.
ABANDONED WELLS (5.0 MGD)

Legend

- Existing Well
- Abandoned Well
- Proposed Well
- Existing Wells + Prop Well (7.66 MGD)
- Old Wells (E1-E9) DD (5 MGD)

N

0 900 1,800 3,600 Feet

DATE: 7/10/2023	JLA Geosciences, Inc.
DRAWN BY: CLZ	FIGURE NO.: 5
PROJECT NO.:	

EXHIBIT B

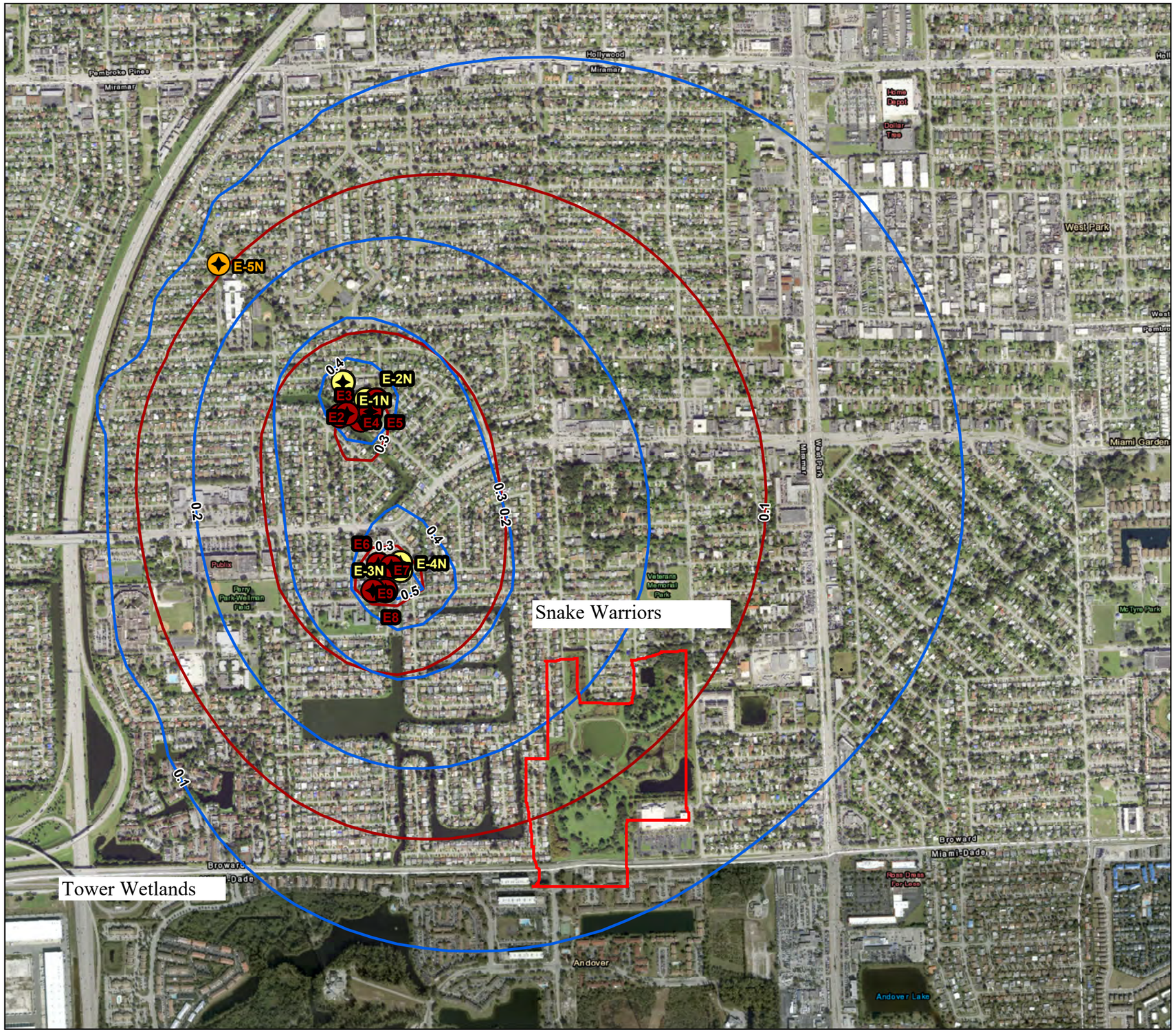


FIGURE TITLE:

MIRAMAR

MGD DIFFERENCE IN DRAWDOWN

EXISTING WELLS (7.5 MGD)
Vs.
OLD WELLS (5.0 MGD)

Legend

- Old Well
- Proposed Well
- Existing Well
- Existing Wells DD (7.5 MGD)
- Old Wells (E1-E9) DD (5 MGD)

*Proposed well is not pumping

N

0 900 1,800 3,600 Feet

DATE: 7/3/2023	JLA Geosciences, Inc.
DRAWN BY: CLZ	**FIGURE NO.:**
PROJECT NO.:	**6**

ATTACHMENT C
Water Conservation Plan

EXHIBIT B

MIRAMAR WATER CONSERVATION PLAN

INTRODUCTION

The City of Miramar (City) prioritizes water conservation as a fundamental aspect of its sustainability initiatives. As part of its goal to promote water conservation, the City adheres to a previously developed comprehensive Standard Water Conservation Plan that aligns with the guidelines provided in the South Florida Water Management District (SFWMD) Applicant's Handbook for Water Use Permit Applications. The City's plan and aligned practices incorporate the five key elements mandated in Subsection 2.3.2.F.1 of the Applicant's Handbook:

1. A water conservation public education program
2. An outdoor water use conservation program
3. The selection of a rate structure designed to promote the efficient use of water.
4. A water loss reduction program if water losses exceed 10%
5. An indoor water conservation program

This document outlines the City of Miramar's Water Conservation Plan as part of their Consumptive Water Use Permit (06-00054-W) renewal application.

The City's commitment to water conservation has proven to be instrumental in preserving both the health and productivity of the water resources of the region. Notably, their current conservation efforts have reduced the average per capita use rate to a regional low standard of approximately 103.4 gallons per capita per day of finished water for the past five years (2017-2022). Building upon these achievements, this document outlines the elements of the City's Standard Water Conservation Plan, which will further promote and reinforce their ongoing efforts in water conservation.

1.1. WATER CONSERVATION PUBLIC EDUCATION

Educating the City's water customers about water conservation measures and their associated benefits is a continuous effort and priority for the City of Miramar. The City will continue its existing education initiatives, which are designed to raise awareness and engage customers through various channels. Engagement is fostered through a combination of passive and active methods, such as distributing informative literature, posters, and pamphlets in public spaces, directly communicating with customers via public service announcements, and utilizing online tools to educate water consumers on water conservation opportunities. Specific sub-elements that will continue under the City's public education program are summarized below. These initiatives include:

- Public Service Announcements: The City publicizes water conservation messages through different media platforms. For example, the annual Consumer Confidence Report, publicly accessible to customers online, contains a dedicated section with water

conservation tips, see **Figure 1**. The City publishes the annual Consumer Confidence Report by July 1st each year.



2022 WATER QUALITY REPORT

Department of Utilities

WATER CONSERVATION

Water is an essential part of our everyday lives, and conserving water is the most cost-effective and environmentally sound way to reduce demand on our natural resources. To promote environmental protection and public awareness, the Utilities Department offers public outreach and educational programs for all who have an interest in helping reduce water consumption. We offer these programs to civic groups, homeowner associations and local schools, and are available for career day events. Our programs include facility tours, water and environmental conservation, and sewer back-up prevention. To schedule an outreach event, please call 954-602-HELP (4357) or email pw-utilcsrt@miramarfl.gov.

Water conservation starts with you and by becoming conscientious in reducing the amount of water your household uses, as well as finding different ways to use less, you can save money in the process. It is easier than you think. Here are a few conservation tips:

- Operate automatic dishwashers and clothes washers only for full loads. Scrape – don't rinse – dishes before loading. Turn off the tap when brushing your teeth.
- Check every faucet in your home for leaks. Repair dripping faucets by replacing the washers inside. One drop per second wastes 2,700 gallons of water per year.
- Did you know just by listening, you can check your toilet for leaks? You can also check by adding a few drops of food coloring in the tank, or placing dye tabs, which the City of Miramar offers free of charge, and watch to see if the color shows up in the bowl without flushing. If you detect color in the bowl, it means you have a leak. An average toilet leak can waste up to 100 gallons a day. Fixing a toilet leak saves up to 30,000 gallons a year.
- Using your water meter to detect hidden leaks is easy. Located in the front of your home typically near the sidewalk or street, your meter has a small triangle or a digital log that moves or increase in count while consumption is in use. Simply turn-off all your faucets, wait 15 minutes then check the meter again. If the small triangle is still moving or your log has a higher number, you have a leak. Please contact the CSRT team at 954-602-HELP (4357) if you suspect you have a water leak.
- Installing low flow aerators and showerheads is another effective method to save water. Installation usually can be done by hand or with a wrench.
- Use a broom or leaf blower instead of a hose to clean leaves and other debris off your driveway or sidewalk.
- Avoid unnecessary toilet flushes. Dispose of tissues, insects, medicines, and other waste in the trash.

Replace your toilets that use 1.6 gallons per flush or more with High Efficiency Toilets (HETs) and receive up to $100 rebate per toilet. Please note, a maximum of two HET rebates are available per household and if your current toilets were purchased or installed after January 1, 1994, they are not eligible for the rebates. Visit www.conservationpays.com/about-us/#miramar

See how easy saving water can become part of your everyday family practices? For free low-flow aerators, and showerheads, please call customer service 954-602-HELP (4357) or you can email us at pw-utilcsrt@miramarfl.gov. Find out more about how to save water and money by visiting http://conservationpays.com/.

Figure 1: A dedicated section on water conservation is included in the City of Miramar's 2022 Water Quality Report. *Source: Water Quality Report | Miramar, FL (miramarfl.gov)*

- Community Outreach: The City will continue to engage in educating the community using posters and videos. These resources serve as valuable tools to raise awareness about water conservation and promote responsible water management practices. The City plans to promote water conservation through its TV channel, Miramar TV, to amplify existing outreach efforts and effectively reach a broader audience.
    - Wyland National Mayor's Challenge and Earth Day Festival: The City will continue to participate in the Wyland National Mayor's Annual Challenge for water conservation, which is aimed at educating residents and children about conserving water and energy. In fact, the City of Miramar finished #1 in their category for the Wyland National Mayors Challenge for Water Conservation in 2022. The City will continue to encourage participants to 'Take the Pledge' to conserve water, energy,

and other natural resources. The City hosts the Earth Day Festival annually to educate consumers more about water conservation through interesting and interactive family-friendly activities. **Figure 2** shows the City of Miramar's 2023 Earth Day Poster.

- Drop Savers Poster Contest: The City encourages schools within the City of Miramar to participate in this poster contest. Artworks are displayed through the month of March in the Commission Chambers, and winners are invited to receive prizes presented by the Mayor.
- Water Conservation Month: The City has dedicated the month of April each year as Water Conservation Month.
- KPOW (Kids and the Power of Work): The City of Miramar has partnered with the KPOW Program. Volunteers of the program conduct weekly on-site visits to schools within the City of Miramar to educate K-12 children on a variety of jobs available in the City and other topics, including water conservation.



Figure 2: The City of Miramar's 2023 Earth Day Poster

- Public Exhibits: The City periodically hosts mural contests where the artworks of selected artists are installed on the City's properties. Sustainability, including water conservation, is one of the themes of the contests. In addition, the City of Miramar's Code Section 324 mandates that developers allocate 0.25% of construction costs to the City Public Art Fund. This fund supports the Art in Public Places program, which fosters the creation of artistic installations, including the ones that emphasize the significance of water conservation. See **Figure 3** for details. These works of art will continue to be displayed in locations across the city, such as the Miramar Cultural Center, Paw Central Dog Park, Youth Enrichment Center, Miramar Regional Park, and even on utility boxes. By continuing to integrate art into public spaces, the City encourages residents and visitors to appreciate and engage with the message of water conservation in a visually compelling manner.



Figure 3: Information on Miramar's Art in Public Places program can be accessed via the City's Cultural Center website. *Source: Art in Public Places | Miramar, FL (miramarculturalcenter.org)*

- Year-Round Landscape Irrigation Conservation Measures: The City of Miramar will continue to offer a dedicated section on its website to educate residents on year-round

information on water conservation tips. The website can be accessed here: Lawn Irrigation | Miramar, FL (miramarfl.gov). The section covers topics such as determining appropriate lawn water needs, preventing overwatering, and lawn watering restrictions.

- Water Conservation Information on Supplier's Website (Year-Round): The City will continue to provide water conservation information on its supplier's website, which can be accessed at https://www.miramarfl.gov/1866/Conservation-Pays. Further details regarding the content and benefits of the water conservation information provided on the website will be discussed in the subsequent sections.

1.2. OUTDOOR WATER USE PROGRAM

The City will continue to enforce various ordinances and conditions of service to regulate lawn and landscape irrigation, promote Florida-Friendly landscaping principles, and address automatic landscape irrigation systems. The key elements of Miramar's outdoor water use program include:

- Ordinances Limiting Lawn and Landscape Irrigation: The City of Miramar will continue to have specific ordinances that restrict lawn and landscape irrigation; see below:
    - In accordance with the City's Code of Ordinances (Section 21-272), "the potable water system on the premises supplies water for only ordinary domestic type uses … and does not supply water to any irrigation piping system…" Therefore, irrigation supply will be restricted to non-potable sources.

        Link to the Water Use Restrictions Ordinance: Sec. 21-272. - Backflow prevention device. | Code of Ordinances |Miramar, FL | Municode Library
    - In accordance with the City's Code of Ordinances (Section 21-62), under certain conditions, irrigation between 10 am and 4 pm will be prohibited, and irrigation of established landscapes will be limited to 2 days per week.

        Link to the Water Use Restrictions Ordinance: Sec. 21-62. - Year-round permanent landscape irrigation measures. | Code of Ordinances | Miramar, FL | Municode Library

        Figure 4 shows that the City continues to promote Year-Round Landscape Irrigation Rule in the City's 2022 Consumer Confidence Report, specifying residents and businesses with an odd-numbered street address may water landscapes on Wednesdays and/or Saturdays before 10 a.m. Additionally, residents and businesses with an even-numbered street address, no street address, or those who irrigate both an even and odd addresses within the same zones, which may include multi-family units and homeowner's associations, may water lawns and landscapes Thursday and/or Sundays only before 10 a.m. or after 4 p.m. The City also recommended residents avoid irrigating their landscape more than once per day for the most efficient use of water.

EXHIBIT B



OFFICE OF OPERATIONAL SERVICES

LOOK FOR THE LABEL

look for WaterSense Meets EPA Criteria

The WaterSense label will help you identify high-efficiency products, homes and programs. These water efficient options provide the same performance and quality you've come to expect, but with the added benefit of water savings. These products are backed by an independent third-party certification and meet EPA's specifications for water efficiency and performance. So, when you use WaterSense labeled products in your home or business, you can be confident you'll be saving water without sacrificing quality.

City of Miramar -Year-Round Landscape Irrigation Rule

Lawn watering is limited all year in South Florida by the South Florida Water Management District's Year-Round Landscape Irrigation Rule and local ordinances. Miramar is required to follow the Broward County schedule located at
Lawn Watering Restrictions | South Florida Water Management District (sfwmd.gov) and described below:

All landscaping

- Watering is allowed only before 10 a.m. or after 4 p.m.
- Residents and businesses with an **odd**-numbered street address may water lawns and landscapes on **Wednesdays** and/or **Saturdays** before 10 a.m. or after 4 p.m.
- Residents and businesses with an **even**-numbered street address, no street address, or those who irrigate both even and odd addresses within the same zones, which may include multi-family units and homeowner's associations, may water lawns and landscapes **Thursdays** and/or **Sundays** only before 10 a.m. or after 4 p.m.
- For the most efficient use of water, residents should avoid irrigating their landscape more than once per day.

New landscaping, sod, or other plantings

- New landscaping that has been in place **less than 30 days** can be watered on **Mondays, Tuesdays, Wednesdays, Thursdays, Saturdays, and Sundays** only before 10 a.m. or after 4 p.m.
- Landscaping that has been in place from **31 days to 90 days** can be watered on **Mondays, Wednesdays, Thursdays, and Saturdays** only before 10 a.m. or after 4 p.m.

Reclaimed Water for Irrigation

- Residences and businesses that use reclaimed water for irrigation can water all days, except between 10 a.m. - 4:00 p.m.

Violations

- Local law enforcement or city/county zoning and code enforcement agencies have the authority to issue warnings and citations that can lead to fines.
- Violations of water restrictions may be reported to City of Miramar Code Enforcement at 602-HELP or (954) 602-4357.

Figure 4: The City's 2022 Consumer Confidence Report - Irrigation section to promote water conservation.

- Florida-Friendly Landscaping Principles: The City will continue to require adherence to Florida-Friendly landscaping principles through its Code of Ordinances. These regulations cover appropriate plant selection, location, arrangement, landscape maintenance, and efficient irrigation practices.
    - In accordance with the City's Code of Ordinances (Section 506) & Broward County Code of Ordinances (Sections 39-77, 39-80, and 39-85(b)), Florida Friendly Landscape principles will encourage using low-maintenance plants and environmentally sustainable practices.
    - **Figure 4** of the City's 2022 Consumer Confidence Report also addressed water conservation rules for new landscaping. Specifically, new landscaping that has been in place less than 30 days can be watered on Mondays to Thursdays, Saturdays, and Sundays only before 10 a.m. or after 4 p.m. Landscaping that has been in place from 31 days to 90 days can be watered on Mondays, Wednesdays, Thursdays, and Saturdays only before 10 a.m. or after 4 p.m.

- Automatic Water Irrigation Systems: The City will continue to enforce specific ordinances related to automatic water irrigation systems. These ordinances ensure the proper installation and use of rain sensor devices and automatic shut-off features for new automatic lawn sprinkler systems.
    - The City of Miramar's Code of Ordinances requires the installation of rain sensor overrides for new lawn irrigation systems. Rain sensor devices or automatic shut off (for new automatic lawn sprinkler systems) are codified in Section 39-85(7)(b), Broward County, Florida - Code of Ordinances.
- Rain Sensor Overrides for New Lawn Sprinkler Systems: The City adopted the South Florida Building Code (SFBC), which requires the installation of rain sensors on new irrigation systems. The City will continue to abide by the Broward County Zoning Code regulations, which include Section 39-78 regarding rain sensors on automatic lawn sprinkler systems.

1.3. WATER CONSERVATION RATE STRUCTURE

The City of Miramar will continue to utilize a water conservation rate structure for the use of potable water, which is designed to incentivize water conservation among consumers. The rates increase as water usage volumes increase, encouraging efficient water use. With its existing rate structure, Miramar aims to promote responsible water consumption and conservation practices. Table 2 shows how the City's water rates increase as the usage volumes increase. Source: Consumption Charges |Miramar, FL (Miramarfl.gov)

Table 1. The City of Miramar Water Rate Structure

Consumption Charges for Single Unit Service	
Monthly Water Service Charge	$16.90
Water Rate per 1,000 Gallons – First 5,000	$4.02
Water Rate per 1,000 Gallons – Next 10,000	$4.92
Water Rate per 1,000 Gallons – Over 15,000	$6.18
Residential Monthly Wastewater Service Charge	$19.79
Wastewater Rate for Each 1,000 Gallons	$5.59
Water Utility Tax	10 percent of Water Charge

As Adopted – Resolution R22-186
September 22, 2022

1.4. INDOOR WATER CONSERVATION PROGRAM

The City of Miramar will continue to partner with Broward County to offer credits to replace antiquated household fixtures with newer low-flow showerheads, retrofit, and fixtures, for example., low-flow toilets. The programs include a plumbing retrofit rebate program, a faucet aerator and showerhead giveaway program, and an indoor conservation element to the public education program for water conservation. The City will continue to retain its goal to educate and enrich those who want to learn about water conservation and environmental protection through these programs. As previously discussed, the City will continue to provide water conservation information on its website. For details, see the information below.

- Plumbing retrofit rebates (Frequency: All-Year-Round).
    - The City of Miramar is a partner of the Broward County Conservation Pays Program. The City has dedicated a promotional page for this program on the City's website that is accessible to water consumers all year round (**Figure 5**). A $100 rebate will be offered for replacing toilets that consume more than 1.6 gallons per flush with new WaterSense® certified High-Efficiency Toilets. Single-family, townhouse, and condo applicants may receive up to two (2) rebates. Multi-family housing units, not-for-profit agencies, commercial buildings, and institutional facilities can receive up to five (5) rebates or may submit a request to receive more. The City has also awarded prizes to residents for their involvement in this program. Between 2020 and 2022, a total of six rebates were awarded to the City of Miramar water customers with estimated savings of 139,011 gal of water.
      Link to the Program: https://www.Miramarfl.gov/1866/Conservation-Pays

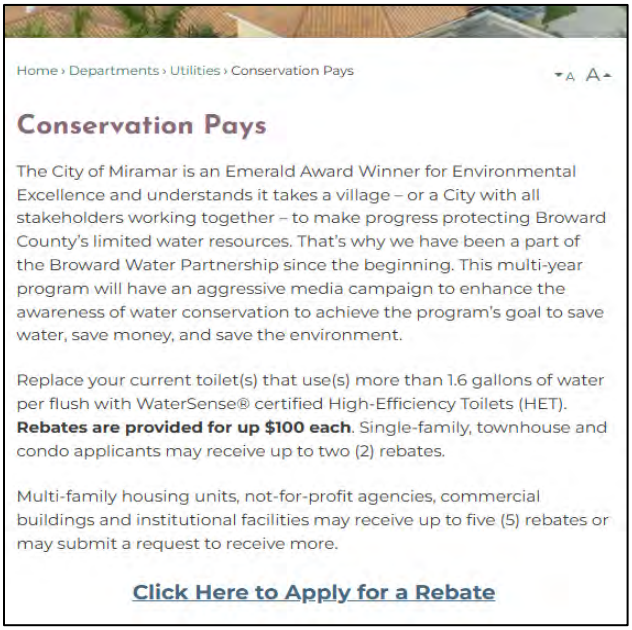


Figure 5: Information regarding Miramar's rebate program can be accessed on their website. *Source: Conservation Pays | Miramar, FL (miramarfl.gov)*

- Faucet aerator and showerhead giveaways (Frequency: All-Year-Round).
    - The City will continue to implement a faucet aerator and showerhead giveaways program (**Figure 6**), which will offer water customers the opportunity to obtain these items at the City's Public Works office at 13900 Pembroke Road, Miramar, FL 33027.
    - This program is expected to educate and promote water consumers to practice indoor water conservation practices. The City will continue to provide free water-efficient showerheads to all residents with proof of residency. Between 500-1000 giveaways are typically issued annually
      Link to the Program: https://www.Miramarfl.gov/1866/Conservation-Pays



Figure 6: Information regarding Miramar's aerator and shower giveaway program can be accessed on their website. *Source: Conservation Pays | Miramar, FL (miramarfl.gov)*

- Requirement of ultra-low volume plumbing in new construction
    - Section 6 of the Broward County Code prohibits a City within its jurisdiction from enacting standards different from the SFBC. The City will continue to adhere to the SFBC, which contains plumbing flow restriction requirements.

1.5. WATER LOSS REDUCTION PROGRAM

Water loss refers to the unaccounted-for water within a water supply system, encompassing real losses (physical leaks and bursts) and apparent losses (unauthorized consumption, meter inaccuracies, and data handling errors). A reported unaccounted for water loss rate of 10% or greater requires corrective measures via a water loss reduction program to reduce the percentage to within an acceptable target range.

A water loss report is submitted annually to the SFWMD as required by the permit conditions. The most recent report for the City of Miramar submitted in April 2023 (for calendar year 2022) indicated a water loss rate of 11.3%. While this exceeds the 10% threshold by 1.3%, it is important to note that this is believed to be due to increased apparent losses arising from challenges with metering inaccuracies faced by the City. The City's metering supplier has acknowledged these accuracy issues and is actively working with the City to resolve them. The accuracy concerns with the meters could contribute to a higher percentage reading for water loss. By recognizing and working towards resolving these accuracy issues, the City is taking proactive steps to ensure more accurate measurement and reporting of water usage, which will ultimately help in better managing and reducing apparent water loss in the future.

As noted previously, compared to other utilities in South Florida, the City has a comparatively low per capita water demand of 103.4 GPCD (average of the past five years). This, together with the relatively new infrastructure, particularly in the western service area, and investments made in replacement of aging infrastructure, would indicate the City's utility system is not vulnerable to elevated levels of real water loss that requires mitigation measures. These factors suggest that the City does not face a significant water loss management challenge; additional measures to enhance real water loss control practices are not necessary. Nonetheless, the City recognizes the importance of efficient water management and maintains its commitment to taking proactive measures to address metering accuracy and minimize water loss within its water service jurisdiction. Below are some examples of programs that are taking place in the City to further minimize water loss within the City's water service jurisdiction:

- The City has previously partnered with a contractor to perform an enhanced acoustic survey of the water system for leaks that are not visible on the ground surface. Leaks were identified, and a contractor was selected to repair the leaks. In 2023, the program is expected to continue with the installation of pressure sensors, which will provide the City with an additional tool to identify leaks and enhance monitoring of the water meters.
- The City has partnered with a metering supplier to implement a 20-year water meter accuracy plan that will not only address the current metering accuracy challenge but also additionally provide accuracy guarantees throughout the useful life of the installed meters. The metering supplier plans to provide the City with 22,239 new meter replacements.

EXHIBIT B

SUMMARY

In conclusion, the City of Miramar remains committed to water conservation, as highlighted in its Water Conservation Plan initiatives and practices. The City has and will continue to promote efficient water use practices, address water loss, and engage the community through various means, including public education programs, indoor and outdoor water use programs, retaining its rate structure promoting efficient water use, and incentivization and water loss reduction program.

Through the consolidation of responsibilities and investments in promotional activities, Miramar will continue to demonstrate its dedication to optimizing water supply utilization and minimizing water loss. **Table 2** presents some of the City's water conservation programs with their frequency, duration, and implementation schedule. These ongoing efforts highlight the City's commitment to sustainable water management and the well-being of its residents and environment.

EXHIBIT B

Table 2. The City's Water Conservation Programs

Water Conservation Program	Frequency	Duration	Implementation Schedule/ Details
Public Service Announcements –Consumer Confidence Report	Annual	Annual	The City publishes the annual Consumer Confidence Report by July 1st each year.
Community Outreach – Water Conservation Month	Annual	A Month	The City has dedicated the month of April each year as the Water Conservation Month.
Community Outreach – KPOW (Kids and the Power of Work)	Weekly	Year-round	Volunteers conduct weekly on-site visits to schools within the City of Miramar to educate K-12 children on water conservation, among other topics.
Community Outreach – Wyland National Mayor's Challenge	Annual	A Month	Each year during the month of April, the City of Miramar and other cities across the United States participate in the annual Wyland National Mayor's Challenge for Water Conservation.
Community Outreach – Earth Day Festival	Annual	A Day	The City hosts the Earth Day Festival annually to encourage residents to take the water conservation pledge and educate consumers more about water conservation through interesting and interactive activities.
Community Outreach - Drop Savers Poster Contest	Annual	A Few Weeks	The City encourages schools within the City of Miramar to participate in this poster contest. Artworks are displayed through the month of March in the Commission Chambers, and winners are invited to receive prizes presented by the Mayor.
Public Exhibits – Art in Public Places Program (Mural)	Periodically	Year-round	The City periodically hosts mural contests where the artworks of selected artists are installed on the City's properties. Sustainability, including water conservation, is one of the themes of the contests.

Public Education –Year-Round Landscape Irrigation Conservation Measures (City's Website)	Year-round	Year-round	Always on the City's Website
Public Education – Water Conservation Information on Supplier's Website	Year-round	Year-round	Always on the City's Website
Rebates – Plumbing Retrofit Rebates	Year-round	Year-round	The City of Miramar is a partner of the Broward County Conservation Pays Program. This program offers plumbing retrofit rebates for up to $100.The City has dedicated a promotional page for this program on the City's website that is accessible to water consumers all year round. The City has also awarded prizes to residents for their involvement in this program. Between 2020 and 2022, a total of six rebates were awarded to the City of Miramar water customers with estimated savings of 139,011 gal of water.
Faucet Aerator and Showerhead Giveaways	Year-round	Year-round	Between 500-1000 giveaways are issued annually
Meter Replacement	The City aims to replace over 22,000 meter over the next 5 years, that is about 4,400 meters each year. This year, the City has already replaced about 2,500 meters and aims to meet the goal by the end of 2023.	On year 6 and onwards, the City is targeting to replace 10% of tthe water meter population, that is about 3,500 a year.	

Many of these programs have been ongoing for several years. The City occasionally revisits these programs for refinement or realignment with changing needs. For the programs that are planned to be initiated in the future, the implementation schedules provided represent the City's best estimates at the time that this document is developed and are subject to change.

EXHIBIT B

Requirement by Permit Condition Report

App No: 230713-2
Permit No: 06-00054-W
Project Name: CITY OF MIRAMAR PUBLIC WATER SUPPLY

Permit Condition No: 10 **Permit Condition Code:** WUSTD021-2

Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date
WELL - E-1N	Calibration report for WELL E-1N	Every Five Years	Every Five Years	31-MAR-2027
WELL - E-2N	Calibration report for WELL E-2N	Every Five Years	Every Five Years	31-MAR-2027
WELL - E-3N	Calibration report for WELL E-3N	Every Five Years	Every Five Years	31-MAR-2027
WELL - E-4N	Calibration report for WELL E-4N	Every Five Years	Every Five Years	31-MAR-2027
WELL - E-5N	Calibration report for WELL E-5N	Every Five Years	Every Five Years	31-AUG-2024
WELL - W1	Calibration report for WELL W1	Every Five Years	Every Five Years	31-MAR-2027
WELL - W2	Calibration report for WELL W2	Every Five Years	Every Five Years	31-MAR-2027
WELL - W3	Calibration report for WELL W3	Every Five Years	Every Five Years	31-MAR-2027
WELL - W4	Calibration report for WELL W4	Every Five Years	Every Five Years	31-MAR-2027
WELL - W5	Calibration report for WELL W5	Every Five Years	Every Five Years	31-AUG-2024
WELL - F1	Calibration report for WELL F1	Every Five Years	Every Five Years	31-MAR-2025
WELL - F2	Calibration report for WELL F2	Every Five Years	Every Five Years	31-MAR-2025
WELL - F3	Calibration report for WELL F3	Every Five Years	Every Five Years	31-MAY-2024
WELL - F4	Calibration report for WELL F4	Every Five Years	Every Five Years	31-AUG-2024
WELL - F5	Calibration report for WELL F5	Every Five Years	Every Five Years	31-AUG-2024
WELL - F6	Calibration report for WELL F6	Every Five Years	Every Five Years	31-AUG-2024
WELL - F7	Calibration report for WELL F7	Every Five Years	Every Five Years	31-AUG-2024
WELL - F8	Calibration report for WELL F8	Every Five Years	Every Five Years	31-AUG-2024
WELL - F9	Calibration report for WELL F9	Every Five Years	Every Five Years	31-AUG-2024

Permit Condition No: 12 **Permit Condition Code:** WUSTD022-2

Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date
WELL - E-1N	Monthly withdrawal for WELL E-1N	Monthly	Quarterly	31-JUL-2024
WELL - E-3N	Monthly withdrawal for WELL E-3N	Monthly	Quarterly	31-JUL-2024
WELL - E-4N	Monthly withdrawal for WELL E-4N	Monthly	Quarterly	31-JUL-2024
WELL - E-5N	Monthly withdrawal for WELL E-5N	Monthly	Quarterly	31-JUL-2024
WELL - E-2N	Monthly withdrawal for WELL E-2N	Monthly	Quarterly	31-JUL-2024
WELL - W1	Monthly withdrawal for WELL W1	Monthly	Quarterly	31-JUL-2024
WELL - W2	Monthly withdrawal for WELL W2	Monthly	Quarterly	31-JUL-2024
WELL - W3	Monthly withdrawal for WELL W3	Monthly	Quarterly	31-JUL-2024
WELL - W4	Monthly withdrawal for WELL W4	Monthly	Quarterly	31-JUL-2024
WELL - F4	Monthly withdrawal for WELL F4	Monthly	Quarterly	31-JUL-2024
WELL - W5	Monthly withdrawal for WELL W5	Monthly	Quarterly	31-JUL-2024
WELL - W6	Monthly withdrawal for WELL W6	Monthly	Quarterly	31-JUL-2024
WELL - F9	Monthly withdrawal for WELL F9	Monthly	Quarterly	31-JUL-2024
WELL - F1	Monthly withdrawal for WELL F1	Monthly	Quarterly	31-JUL-2024
WELL - F2	Monthly withdrawal for WELL F2	Monthly	Quarterly	31-JUL-2024

Exhibit No: 10

EXHIBIT B

Requirement by Permit Condition Report

Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date
WELL - F3	Monthly withdrawal for WELL F3	Monthly	Quarterly	31-JUL-2024
WELL - F5	Monthly withdrawal for WELL F5	Monthly	Quarterly	31-JUL-2024
WELL - F6	Monthly withdrawal for WELL F6	Monthly	Quarterly	31-JUL-2024
WELL - F7	Monthly withdrawal for WELL F7	Monthly	Quarterly	31-JUL-2024
WELL - F8	Monthly withdrawal for WELL F8	Monthly	Quarterly	31-JUL-2024

Permit Condition No: 17 **Permit Condition Code:** WUWC004-1

Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date
WELL - F3	Summary of Groundwater Facilities-Well Completion for Well F3	One time Only	One time Only	01-SEP-2024
WELL - F4	Summary of Groundwater Facilities-Well Completion for Well F4	One time Only	One time Only	01-SEP-2024
WELL - F5	Summary of Groundwater Facilities-Well Completion for Well F5	One time Only	One time Only	01-SEP-2024
WELL - F6	Summary of Groundwater Facilities-Well Completion for Well F6	One time Only	One time Only	01-SEP-2024
WELL - F7	Summary of Groundwater Facilities-Well Completion for Well F7	One time Only	One time Only	01-SEP-2024
WELL - F8	Summary of Groundwater Facilities-Well Completion for Well F8	One time Only	One time Only	01-SEP-2024
WELL - F9	Summary of Groundwater Facilities-Well Completion for Well F9	One time Only	One time Only	01-SEP-2024
WELL - E-5N	Summary of Groundwater Facilities-Well Completion for Well E-5N	One time Only	One time Only	01-SEP-2024

Permit Condition No: 20 **Permit Condition Code:** WUPWS003-1

Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date
PERMIT	Water Loss Report	Yearly	Yearly	30-APR-2024

Permit Condition No: 22 **Permit Condition Code:** WURWF007-2

Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date
PERMIT	Annual reclaimed water report	Yearly	Yearly	30-APR-2024

Permit Condition No: 24 **Permit Condition Code:** WUZZUD001-3

Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date
PERMIT	Annual Reclaimed Water Expansion Progress Report	Yearly	Yearly	30-APR-2024

Permit Condition No: 25 **Permit Condition Code:** WUZZUD001-3

Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date
PERMIT	Technical Report documenting 4 MGD receive reclaimed water deliveries.	One time Only	One time Only	01-MAR-2024

Permit Condition No: 26 **Permit Condition Code:** WUCOMP010-1

Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date
PERMIT	Ten Year Water Use Compliance	Every Ten Years	Every Ten Years	28-FEB-2034

Exhibit No: 10

EXHIBIT B

Requirement by Permit Condition Report

Facility Name	Requirement Name	Col Freq	Sub Freq	Due Date
	Report			
Permit Condition No: 29	**Permit Condition Code:**	WUSLT001-2		
Facility Name	**Requirement Name**	**Col Freq**	**Sub Freq**	**Due Date**
WELL - MCMW1	Chloride for WELL MCMW1	Monthly	Quarterly	30-APR-2024
WELL - MCMW2	Chloride for WELL MCMW2	Monthly	Quarterly	30-APR-2024
WELL - MCMW3	Chloride for WELL MCMW3	Monthly	Quarterly	30-APR-2024
Permit Condition No: 30	**Permit Condition Code:**	WUWLM001-4		
Facility Name	**Requirement Name**	**Col Freq**	**Sub Freq**	**Due Date**
WELL - MW2D	Ground water level for MW2D	Monthly	Quarterly	30-APR-2024
WELL - MW1D	Ground water level for MW1D	Monthly	Quarterly	30-APR-2024
WELL - MW2S	Ground water level for MW2S	Monthly	Quarterly	30-APR-2024
WELL - MW3D	Ground water level for MW3D	Monthly	Quarterly	30-APR-2024
WELL - MW3S	Ground water level for MW3S	Monthly	Quarterly	30-APR-2024
WELL - MCMW1	Ground water level for MCMW1	Monthly	Quarterly	30-APR-2024
WELL - MCMW2	Ground water level for MCMW2	Monthly	Quarterly	30-APR-2024
WELL - MCMW3	Ground water level for MCMW3	Monthly	Quarterly	30-APR-2024

Exhibit No: 10

STAFF REPORT DISTRIBUTION LIST

EXHIBIT B

CITY OF MIRAMAR PUBLIC WATER SUPPLY

Application No: 230713-2

Permit No: 06-00054-W

INTERNAL DISTRIBUTION

X John A. Lockwood, P.G.

EXTERNAL DISTRIBUTION

X Permittee - City of Miramar
X Agent - J L A Geosciences
X Engr Consultant - Brown and Caldwell

GOVERNMENT AGENCIES

X Broward County - Director, Water Mgmt Division
X Dept of Environmental Protection - West Palm Beach
X Engineer, City of Miramar
X FDEP Div of Recreation and Park - District 5

OTHER INTERESTED PARTIES

X Natural Resources Defense Council

Exhibit No:11

Attachment B: City of Miramar Water Conservation Programs

Use of contents on this sheet is subject to the limitations specified at the beginning of this document.
2025 Water Supply Facilities Work Plan_Feb 2026

EXHIBIT B

Table 2. The City's Water Conservation Programs

Water Conservation Program	Frequency	Duration	Implementation Schedule/ Details
Public Service Announcements –Consumer Confidence Report	Annual	Annual	The City publishes the annual Consumer Confidence Report by July 1st each year.
Community Outreach – Water Conservation Month	Annual	A Month	The City has dedicated the month of April each year as the Water Conservation Month.
Community Outreach – KPOW (Kids and the Power of Work)	Weekly	Year-round	Volunteers conduct weekly on-site visits to schools within the City of Miramar to educate K-12 children on water conservation, among other topics.
Community Outreach – Wyland National Mayor's Challenge	Annual	A Month	Each year during the month of April, the City of Miramar and other cities across the United States participate in the annual Wyland National Mayor's Challenge for Water Conservation.
Community Outreach – Earth Day Festival	Annual	A Day	The City hosts the Earth Day Festival annually to encourage residents to take the water conservation pledge and educate consumers more about water conservation through interesting and interactive activities.
Community Outreach - Drop Savers Poster Contest	Annual	A Few Weeks	The City encourages schools within the City of Miramar to participate in this poster contest. Artworks are displayed through the month of March in the Commission Chambers, and winners are invited to receive prizes presented by the Mayor.
Public Exhibits – Art in Public Places Program (Mural)	Periodically	Year-round	The City periodically hosts mural contests where the artworks of selected artists are installed on the City's properties. Sustainability, including water conservation, is one of the themes of the contests.

Public Education –Year-Round Landscape Irrigation Conservation Measures (City's Website)	Year-round	Year-round	Always on the City's Website
Public Education – Water Conservation Information on Supplier's Website	Year-round	Year-round	Always on the City's Website
Rebates – Plumbing Retrofit Rebates	Year-round	Year-round	The City of Miramar is a partner of the Broward County Conservation Pays Program. This program offers plumbing retrofit rebates for up to $100.The City has dedicated a promotional page for this program on the City's website that is accessible to water consumers all year round. The City has also awarded prizes to residents for their involvement in this program. Between 2020 and 2022, a total of six rebates were awarded to the City of Miramar water customers with estimated savings of 139,011 gal of water.
Faucet Aerator and Showerhead Giveaways	Year-round	Year-round	Between 500-1000 giveaways are issued annually
Meter Replacement	The City aims to replace over 22,000 meter over the next 5 years, that is about 4,400 meters each year. This year, the City has already replaced about 2,500 meters and aims to meet the goal by the end of 2023.	On year 6 and onwards, the City is targeting to replace 10% of tthe water meter population, that is about 3,500 a year.	

Many of these programs have been ongoing for several years. The City occasionally revisits these programs for refinement or realignment with changing needs. For the programs that are planned to be initiated in the future, the implementation schedules provided represent the City's best estimates at the time that this document is developed and are subject to change.

Attachment C: City of Miramar Pertinent Goals, Objectives, and Policies for the Potable Water System

Use of contents on this sheet is subject to the limitations specified at the beginning of this document.
2025 Water Supply Facilities Work Plan_Feb 2026

LEGEND	
Xxxxx:	EAR-Based Comp Plan proposed addition
Yyyyy:	Suggested Work Plan addition
~~Zzzzzz:~~	Suggested Work Plan removal

IV. Infrastructure Element

Goal I – Potable Water / Aquifer Recharge
The City of Miramar will manage its water resources and infrastructure by providing an efficient, cost-effective and environmentally safe water distribution and treatment system to meet the adopted levels of service for its current and future residents, visitors, and businesses as related to future land uses and projections.

Objective 1.1
~~As required for future residents and as desired by existing residents, continue to Provide potable water from the municipal water system to all Miramar residents, within and east of the Water Assessment Area. visitors, and businesses.~~To guide water service planning and delivery in the City of Miramar through adoption of long-term supply plans, coordination with Broward County, and enforcement of service, quality, and infrastructure standards.

Policy 1.1.1 The City of Miramar hereby adopts by reference the 2025~~0~~ Water Supply Facilities Work Plan (Work Plan) for a planning period of not less than 10 years. The Work Plan addresses issues that pertain to water supply facilities and requirements needed to serve current and future development within the City of Miramar water service area. The City of Miramar shall review and update the Work Plan at least every 5 years, within 18 months after the Governing Board of the SFWMD approves an update to the LECWSRP. Any changes affecting the Work Plan shall be included in the annual Capital Improvements Plan update to ensure consistency between the Potable Water sub-element and the Capital Improvements element.

Policy 1.1~~2~~.2 The City shall continue coordinating with Broward County on water service that is within its service, and as such, hereby adopts by reference and incorporate herein, the 202~~0~~X Broward County 10-Year ~~s~~ Water Supply Facilities Work Plan, as reviewed and updated at least every 5 years, within 18 months after the SFWMD approves an update to the LECWSRP.

Policy 1.1.3 Provide a level of service of 325 gallons per day (gpd) per Equivalent Residential Connection (ERC) to all City water system users.

Policy 1.1.4 Protect the quality of Miramar's potable water supply by enforcing the Land Development Code and Water Service Agreement conditions that prohibit

the use or storage of regulated substances, as defined by the Broward County Wellfield Protection Ordinance, within current and future wellfield cones of influence.

Policy 1.1.53 The level of service shall be consistent with the City's two water providers: the City of Miramar and Broward County. The LOS Standard should be consistent with their data and analysis of existing and projected water usage and demands as found in their respective work plans. Broward County has determined a LOS standard of 127 gallons per capita per day (gpcd) for finished water. The City of Miramar has determined a LOS standard of 125 gpcd within its service area. To this end, the City of Miramar is adopting a maximum of 12550 gpcp for sizing its water treatment plant system.

Policy 1.1.64 Water shall be delivered to users at a pressure no less than 3520 pounds per square inch (psi) and no greater than 7075 psi.

Policy 1.1.75 Water quality shall meet all federal, state, and county primary standards for potable water.

Policy 1.1.86 Maintain minimum fire flows based on land use served as listed below:

Minimum Fire Flows	
Single Family	500 gpm
Multi-Family Residential	1,500 gpm
Professional Offices	1,500 gpm
Schools & Hospitals	2,000 gpm
Business & Industry	3,000 gpm

Objective 1.2

~~Expand and redevelop the water supply and treatment plant capacity in eastern and western Miramar to serve future growth~~ Plan and implement the expansion and redevelopment of water supply and treatment facilities to ensure reliable service and adequate capacity for projected future growth.

Policy 1.2.1 The City shall continue to modernize its potable water infrastructure including raw water sources, treatment plants, and distribution systems to accommodate projected population growth and ensure long-term system sustainability. The City shall maintain a minimum citywide potable water storage capacity of 16.5 million gallons (MG) by 2045 and shall ensure that the distribution system sustains a minimum pressure of 35 pounds per square inch (PSI) under all operating conditions, in compliance with applicable fire protection and public health standards.

Policy 1.2.2 Advance the 10-Year Water Facilities Work Plan recommendations to strengthen redundancy, increase production capacity at the West Water Treatment Plant, and maintain alternative supplies from the Floridan aquifer.

~~Policy 1.2.1 Continue to modernize and upgrade the existing West and East water treatment plants.~~

~~Policy 1.2.2 Continue to implement the recommendations of the 10-Year Water Facilities Work Plan Update to address redundancy and maintain production capacity at both water treatment plants. Maintain and expand alternative water supplies as needed to offset future water demand and ensure available water supply for the City.~~

Policy 1.2.3 ~~Continue to implement the recommendations of the 10-Year Water Facilities Work Plan Update by performing well redevelopment and process modifications to improve system reliability and treatment efficiency.~~ Continue implementing the recommendations of the 10-Year Water Facilities Work Plan Update through well redevelopment and process modifications that enhance system reliability and treatment efficiency

Objective 1.3

~~Continue to target a maximum of 10% unaccounted for water~~ non-revenue water (NRW) ~~throughout the planning period.~~ Sustain a system-wide non-revenue water (NRW) rate at or below 10% through proactive monitoring, leak detection, and operational improvements over the planning horizon.

Policy 1.3.1 ~~Perform annual calibration of raw water and distribution meters as required by regulation.~~ The City shall maintain a comprehensive metering program for potable water supply, transmission and distribution systems to ensure accurate measurement, operational transparency, efficient management of water resources and support for system planning, billing and water-loss control.

Policy 1.3.2 ~~Implement robust and active leak detection and repair program, selective service pipeline and watermain replacement, pressure management, calibrate or replace customer meters, strict penalties for theft and illegal connections, improve data and monitoring system, and other appropriate conservation practices.~~ The City shall implement and maintain a comprehensive leak detection and control program to minimize water losses, enhance operational efficiency, and extend the service life of its potable water distribution infrastructure. This program shall include routine system monitoring, acoustic leak surveys, metered zone analysis, and prompt investigation and repair of suspected leaks.

Objective 1.4

~~The City shall continue to develop alternative water supplies by utilizing the Floridian Aquifer and Reverse Osmosis treatment system and upgrade existing nanofiltration with higher treatment capacities.~~The City shall expand alternative water supplies by leveraging the Floridan Aquifer and reverse osmosis systems, and by upgrading existing nanofiltration facilities to increase treatment capacity and meet future demand.

Policy 1.4.1 ~~Expand the use of the Floridian Aquifer and Reverse Osmosis treatment system to meet current and future demands.~~Sustain and expand the use of the Floridan Aquifer and reverse osmosis treatment system to reduce reliance on the Biscayne Aquifer while meeting projected demand and supporting long-term water supply reliability.

Policy 1.4.2 ~~Implement the recommendations of the 10 Year Water Supply Facilities Work Plan Update with regard to the Reclaimed Water System Expansion, to recharge regional water supplies and to offset future water demands.~~Implement the 10-Year Water Supply Facilities Work Plan recommendations related to reclaimed water system expansion to enhance aquifer recharge and offset future potable water demand.

Objective 1.5

Objective 1.5 is a stormwater-related objective and set of policies, and it is not under the purview of the City's Utilities Department.

Objective 1.6

~~Continue to cooperate and coordinate with the SFWMD in implementing the Lower East Coast Water Supply Plan Update and the Water Conservation Program described in Chapter 21, Article III, Code of the City of Miramar, to protect the minimal seasonal flows and levels of surface water sources, as established by the SFWMD, as well as potable water supply.~~Continue to coordinate with the South Florida Water Management District (SFWMD) in implementing the Lower East Coast Water Supply Plan Update and the City's Water Conservation Program, as outlined in Chapter 21, Article III of the Miramar Code of Ordinances, to protect minimum seasonal flows and levels of surface water sources and ensure the sustainability of the City's potable water supply.

Policy 1.6.1 Policy 1.6.1: All new development and redevelopment projects shall incorporate Florida-Friendly Landscaping™ Program in landscape plans, in accordance with the standards of the South Florida Water Management District and the City's Land Development Code.

Policy 1.6.2~~1~~ ~~The City shall continue to require adherence to the principles of water conservation by encouraging property owners to retain water on their properties, reducing runoff and enhancing groundwater recharge.~~The City shall require compliance with recognized water conservation practices, as outlined in applicable state, regional, and municipal regulations, including

the City's Land Development Code and the South Florida Water Management District guidelines.

Policy 1.6.~~2~~3 ~~The City shall continue to implement a public information/education program targeting residential water conservation.~~The City shall maintain and enhance public outreach initiatives that educate residents on water conservation practices and encourage long-term reductions in household water use.

Policy 1.6.~~3~~4 The City shall continue to enforce, and update as necessary, Chapter 21, of Miramar's Code of Ordinances to ensure the City's consistency with the SFWMD Water Conservation Plan.

Policy 1.6.~~4~~5 The City shall continue to limit hours of irrigation at such times that an "emergency situation" is declared by SFWMD.

Policy 1.6.~~5~~6 The City shall continue to enforce regulation that potable water system supplies water for only ordinary domestic type uses and does not supply water to any irrigation piping system in new development areas.

Policy 1.6.~~7~~6 The City shall continue to enforce regulation that where reclaimed water is available it shall be used for irrigation purposes.

Policy 1.6.~~8~~7 ~~The City shall continue to enforce Florida Building Code and City regulation for ultra-low volume plumbing flow restriction on new construction.~~The City shall enforce ultra-low volume plumbing fixture standards in new construction, as required by the Florida Building Code and the City's regulatory framework, to support long-term water conservation goals.

~~Policy 1.6.8 The City shall continue to implement District Metered Areas (DMA) to monitor flow and pressure, and identify leaks in the system.~~

~~Policy 1.6.9 The City shall continue to implement the leak detection and meter replacement programs.~~

Policy 1.6.~~10~~9 ~~The City shall continue to enforce Florida Building Code and City regulation requiring installation of rain sensors on new and existing irrigation systems~~.The City shall enforce state and local requirements mandating rain sensors on new and existing irrigation systems to prevent unnecessary watering and promote water conservation.

Objective 1.7

~~Provide coordination of growth management policies and water resource management. Miramar will coordinate and cooperate with the SFWMD and other local, regional, state and federal agencies in the implementation of effective linkage between growth~~

~~management and water resource management in the City.~~The City of Miramar shall coordinate and cooperate with the South Florida Water Management District and other local, regional, state, and federal agencies to ensure effective integration of growth management and water resource planning. This coordination shall support sustainable development by aligning land use decisions with the availability, protection, and long-term management of water resources.

Policy 1.7.1 ~~The City shall consider the most current version of the SFWMD Lower East Coast Water Supply Plan in the annual updates of the Capital Improvements Plan.~~The City shall incorporate the most current version of the South Florida Water Management District's Lower East Coast Water Supply Plan into the annual update of the Capital Improvements Plan to ensure consistency with regional water supply strategies.

Policy 1.7.2 ~~The 10-Year Water Supply Facilities Work Plan (Work Plan) should meet current and project potable water needs based on the availability and appropriate use of regional water resources and the combined use of alternative water supplies. The Work Plan shall incorporate alternative water supply projects from the SFWMD Lower East Coast Water Supply Plan. The Work Plan shall be consistent with the City's water use permit renewals.~~The 10-Year Water Supply Facilities Work Plan shall address current and projected potable water needs by optimizing the use of regional water resources and incorporating alternative water supply strategies. The Work Plan shall include applicable alternative water supply projects identified in the South Florida Water Management District's Lower East Coast Water Supply Plan and shall remain consistent with the conditions of the City's water use permit renewals.

Policy 1.7.3 ~~The City will coordinate with Broward County to develop consistent work plans utilizing the principle within the SFWMD Lower East Coast Water Supply Plan.~~The City will collaborate with Broward County to ensure water supply planning efforts are consistent and regionally integrated, in accordance with the guiding principles of the SFWMD Lower East Coast Water Supply Plan.

Policy 1.7.4 ~~The City shall coordinate with the SFWMD to ensure consistency between the City's and the District's planning efforts.~~The City shall work collaboratively with the South Florida Water Management District to align its water supply planning with regional objectives, ensuring consistency across planning documents and implementation strategies.

Policy 1.7.5 ~~The City shall support efforts to integrate land use and water resource planning to ensure the availability of water for regional water management purposes with the City.~~The City shall promote coordinated land use and

water resource planning to secure reliable water availability for municipal needs and support broader regional water management goals.

Objective 1.8

~~Ensure long term sustainability of water supplies and treatment facilities by consideration of alternative water supplies, local partnerships, and potential climate change impacts.~~Promote long-term water supply and treatment facility resilience through the use of alternative sources, interagency collaboration, and proactive adaptation to climate change.

Policy 1.8.1 ~~Increase sustainability of water supply through enhancement of wellfields, treatment facilities, and potential local agreements through the planning period.~~Increase the sustainability of the City's water supply by enhancing wellfields and treatment facilities that support long-term water resource reliability throughout the planning period.

~~Policy 1.8.2 Increase reclaimed water production up to 60% of wastewater capacity over the 10- year planning period to promote regional goals of aquifer recharge. In addition, the City shall explore the potential to become a regional supplier of reclaimed water.~~

Policy 1.8.~~3~~2 ~~Coordination with appropriate entities to promote integrated water resources management strategies.~~Coordinate with appropriate agencies and stakeholders to advance integrated water resources management strategies that support efficient, equitable, and sustainable water use.

Policy 1.8.~~3~~4 Coordination with local governments about regional issues, such as alternative water supplies, and inter-local agreements to ensure water supply sustainability.

Policy 1.8.~~4~~5 ~~5~~ Develop a long-term sustainability plan for water facilities within the 10-year planning period that incorporates updated information on the projected impacts of climate change to water supplies and the environment.

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ATTACHTMENT 1

CITY OF MIRAMAR
MIRAMAR, FLORIDA

ORDINANCE NO. 26-01

AN ORDINANCE OF THE CITY COMMISSION OF THE CITY OF MIRAMAR, FLORIDA, CONSIDERING AN EVALUATION AND APPRAISAL REVIEW BASED AMENDMENTS TO THE COMPREHENSIVE PLAN OF THE CITY OF MIRAMAR TO REFLECT THE REQUIRED MINIMUM 10-YEAR AND 20-YEAR PLANNING PERIODS, AS WELL AS CHANGES IN STATE REQUIREMENTS AND IN LOCAL CONDITIONS SINCE THE LAST UPDATE OF THE COMPREHENSIVE PLAN, IN CONFORMITY WITH, AND IN FURTHERANCE OF, THE REQUIREMENTS OF SECTIONS 163.3167, 163.3174(4), 163.3184(4) AND (11), AND 163.3191, FLORIDA STATUTES, AND OF SECTION 303(2)(B) OF THE ADOPTED LAND DEVELOPMENT CODE OF THE CITY OF MIRAMAR; AMENDING THE FUTURE LAND USE MAP TO PROVIDE FOR GREATER CONSISTENCY WITH THE BROWARDNEXT-BROWARD COUNTY LAND USE PLAN FUTURE LAND USE MAP; AMENDING THE GOALS, OBJECTIVES AND POLICIES OF THE FUTURE LAND USE, TRANSPORTATION, HOUSING, INFRASTRUCTURE, CONSERVATION, RECREATION AND OPEN SPACE, INTERGOVERNMENTAL COORDINATION, CAPITAL IMPROVEMENT ELEMENTS, AND PUBLIC SCHOOL FACILITIES; PROVIDING FOR SUPPORTING DATA AND ANALYSIS FOR THE AMENDMENTS TO THE GOALS, OBJECTIVES AND POLICIES OF THE ELEMENTS THEREOF; PROVIDING FOR TRANSMITTAL OF THE ADOPTED AMENDMENTS, AS AMENDED TO ADDRESS THE TECHNICAL COMMENTS FROM THE OBJECTIONS, RECOMMENDATIONS AND COMMENTS REPORT, TO THE FLORIDA STATE LAND PLANNING AGENCY FOR A DETERMINATION OF COMPLIANCE AND THE SUBSEQUENT ISSUANCE OF A NOTICE OF INTENT FINDING THE AMENDMENTS TO BE IN COMPLIANCE, AS AUTHORIZED UNDER THE STATE COORDINATED REVIEW PROCESS SET FORTH IN SECTION 163.3184(4), FLORIDA STATUTES; PROVIDING FOR SEVERABILITY; PROVIDING FOR INTERPRETATION; PROVIDING FOR CORRECTION OF SCRIVENER'S ERRORS; AND PROVIDING FOR AN EFFECTIVE DATE.

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WHEREAS, in 1972, the State of Florida Legislature ("Legislature") took its first step towards an intergovernmental system of planning by adopting the Environmental Land and Water Management Act, which established, among other things, a program to designate Areas of Critical State concern and to provide increased regulation and regional and state oversight for Developments of Regional Impact ("DRIs") affecting multiple jurisdictions; and

WHEREAS, the 1975 Legislature passed the Local Government Comprehensive Planning Act, which effectively established the local planning component of the early Florida system of planning by requiring local governments to adopt comprehensive plans by July 1, 1979, and to manage development according to the adopted plans; and

WHEREAS, many local governments did not meet that 1979 deadline for adopting their local comprehensive plans; and

WHEREAS, in response to continued rapid growth and the challenges of state and local governments to adequately address development impacts, the 1985 Legislature revisited the intergovernmental planning system and adopted the Omnibus Growth Management Act (the "1985 Act") as Part II of Chapter 163 of the Florida Statutes ("F.S."), known officially as "The Local Government Comprehensive Planning and Land Development Regulation Act," which remedied various deficiencies in the 1975 Local Government Comprehensive Planning Act by giving more state oversight and control to the State Land Planning Agency in the continuous and ongoing planning process; and

WHEREAS, the 1985 Act required all Florida's local governments to adopt by 1992 local comprehensive plans with two (2) planning periods, one covering at least the first 5-

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year period after the comprehensive plan's adoption and one covering at least a 10-year period, to guide future growth and development; and

WHEREAS, the 1985 Act required every comprehensive plan to contain elements arranged into goals, objectives and policies ("GOPs"), which addressed future land use, including a future land use map ("FLUM"), housing, transportation, infrastructure, coastal management, conservation, recreation and open space, intergovernmental coordination, capital improvements (and a 5-year schedule of capital improvement ("SCI")) and public school facilities; and

WHEREAS, the 1985 Act and the now repealed Rule 9J-5, Florida Administrative Code ("FAC"), which was adopted at the direction of the Legislature as a part of that Act, listed the minimum criteria for the preparation, review, and determination of compliance of comprehensive plans and plan amendments, specifically required that comprehensive plan to be based upon relevant and appropriate data and the analyses applicable to each element; and

WHEREAS, that 1985 Act also provided for scheduled updates to the elements, even imposing penalties for failure to adopt or update elements; and

WHEREAS, the 1985 Act explicitly established the evaluation and appraisal report as the principle process for updating local comprehensive plans to address changes in the local community and changes in state law relating to growth management; and

WHEREAS, the 1985 Act required local governments to update their capital improvements schedule, within their capital improvements element ("CIE"), as an annual amendment to the comprehensive plan to demonstrate a financially feasible 5-year

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schedule of capital improvements, meaning the CIE had to identify sufficient revenues to fund the 5-year SCI; and

WHEREAS, the evaluation and appraisal report, which was to be prepared every seven (7) years, determined the success of the community in addressing land use planning issues through implementation of its comprehensive plan, and suggested how the comprehensive plan was to be revised to better address community objectives, changing conditions and trends affecting the local community, and changes in state requirements; and

WHEREAS, under the 1985 Act, local governments were required to submit their reports to the Department of Community Affairs ("DCA") (currently the Department of Commerce "DOC"), the designated State Land Planning Agency, responsible for reviewing comprehensive plans and amendments to determine consistency with state law, and to use the recommendations in the reports to adopt amendments to their comprehensive plans, within 18 months after DCA had determined the report to be sufficient; and

WHEREAS, it shall be noted that the process of preparing an evaluation and appraisal report was both time consuming and costly and that the Administration Commission was even authorized to impose sanctions on a local government that failed to adopt and submit its report or failed to implement its report through timely amendments to its comprehensive plan; and

WHEREAS, amendments to comprehensive plans were to be adopted no more than twice during any calendar year, a limitation that proved to be unworkable and

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warranted over time a number of statutory exceptions; and were created for situations where the twice-a-year limit was unworkable; and

WHEREAS, amendments to comprehensive plans were adopted pursuant to the following processes:

1. *The Traditional State Review Process* was codified under s. 163.3184, F.S., and specified that local comprehensive plans could be amended provided certain conditions were met, including two (2) advertised public hearings before adoption and review by the State Land Planning Agency. State, regional, and local governmental agencies submitted comments on the comprehensive plan or amendment to the State Land Planning Agency, which had the option to review the amendment, unless it was required to review upon a request from the regional planning council ("RPC"), an affected person, or the local government transmitting the amendment. If DCA elects to review or is required to review, it must issue the local government an objections, recommendations, and comments report ("ORC" Report) regarding whether the comprehensive plan or amendment is "in compliance." After receiving the report, the local government has 60 days to adopt the amendment, adopt the amendment with changes, or not adopt the amendment. After adoption, within 10 days, the local government must transmit the adopted plan amendment to DCA that had between 20 and 45 days to issue a notice of intent "(NOI") to find the amendment either "in compliance" or "not in compliance."
2. *The Alternative State Review Process Pilot Program (s. 163.32465, F.S.)* was created as a pilot program in 2007 to provide an alternate, expedited process for plan amendments based on streamlined state agency review. Under the pilot

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process, selected communities transmit proposed amendments directly to specified state agencies and local governmental entities after the first public hearing on the amendment. Most amendments proposed in the pilot program jurisdictions were required to follow the alternative review process. In 2009, the Legislature authorized any local government to use the alternative state review process to designate an urban service area in its comprehensive plan.

State agencies commenting on an amendment under the alternative review process could include technical guidance on issues of agency jurisdiction as they related to Part II of Chapter 163, F.S. Such comments were to clearly identify issues that, if not resolved, could result in an agency challenge to the amendment. Comments were sent to the local government proposing the amendment within 30 days after the commenting agency received the amendment. Following a second public hearing for the purpose of adopting the amendment, the local government was to transmit the adopted amendment to the State Land Planning Agency and any other state agency or local government that provided timely comments. The State Land Planning Agency was encouraged to focus its challenges on issues of regional or statewide importance and was not required to issue an ORC report on the proposed amendment or a NOI on the adopted amendment.

3. *The Small-Scale Amendment Process* was codified under s. 163.3187, F.S., and included several eligibility criteria. First, small-scale amendments were limited to properties that are 10 acres or fewer, were not located in an area of critical state concern with exceptions and must meet certain density criteria if they involved residential land use, among other requirements. Second, small-scale

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amendments were not to change goals, policies, or objectives of the local comprehensive plan, as they primarily involved changes to the future land use map for site-specific small-scale development activity. Small-scale amendments required only one (1) public hearing and were not subject to the twice a-year limitation on comprehensive plan amendments.

WHEREAS, in conformity with, and in furtherance of, the Growth Management Act, the City of Miramar (the "City") adopted its first Comprehensive Plan, including a FLUM, in 1989 and prepared thereafter two (2) Evaluation and Appraisal Reports in 1995 and in 2005, which provided the framework and basis for the adoption of the 2000 and the 2010 Amendments to the City's Comprehensive Plan; and

WHEREAS, the 2011 Legislature enacted House Bill ("HB") 7207, which not only redesignated the Growth Management Act as the Community Planning Act (the "2011 Act") in Part II of Chapter 163 (ss. 163.3161- 163.3248), F.S., but also featured substantial amendments to the former legislation; the thrust of which was to utilize and strengthen the existing role, processes and powers of local government in the establishment and implementation of comprehensive planning programs to guide and manage future development consistent with the proper role of local government, and to focus the state role in managing growth to protecting the functions of important state resources and facilities; and

WHEREAS, the 2011 Act requires local comprehensive plans to include the policy foundation for local planning and land use decisions on future land use, transportation, housing, intergovernmental coordination, public facilities, recreation, open space,

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conservation, coastal management (where applicable) and capital improvements, as further outlined in Sections 163.3177, F.S.; and

WHEREAS, the 2011 Act revises s. 163.3177, F.S., to no longer include public school facilities element as a required element of local comprehensive plans and to only require provisions relating to public school facilities if a local government chooses to maintain school concurrency at the local level; and

WHEREAS, the 2011 Act removes many of the state specifications and requirements for optional elements in the comprehensive plan, but specifically states that a local government's comprehensive plan may continue to include optional elements. It maintains that all mandatory and optional elements of a comprehensive plan and plan amendments are to be based upon professionally accepted data; and

WHEREAS, the 2011 Act also maintains that a major objective of the planning process is for elements to be coordinated with one another and requires elements within a plan to be consistent with one another and specifically allows local governments to adopt planning periods for specific components, elements, land use amendments or projects, in addition to the 5-year and 10-year planning periods called for in s. 163.3177, F.S.; and

WHEREAS, the 2011 Act requires the future land use plan and comprehensive plan amendments to take into account the need to modify land uses and development patterns within antiquated subdivisions, and to be based in part upon the amount of land designated for future planned uses to provide a balance of uses that foster vibrant, viable

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communities, provide economic development strategies, and address outdated development patterns, such as antiquated subdivisions; and

WHEREAS, the 2011 Act removes the financial feasibility requirement for the 5-year SCI, which several local governments have had difficulty meeting, and, in a return to the pre-2005 standard, now requires local governments to review their capital improvements element on an annual basis, allowing modifications to the SCI to be accomplished by ordinance and not as comprehensive plan amendments; and

WHEREAS, the 2011 Act provides instead that SCI projects necessary to ensure that any adopted level-of-service standards are achieved and maintained for the 5-year period must be listed and identified as either funded or unfunded and given a level of priority for funding; and

WHEREAS, the 2011 Act removed the state requirement for local governments to adopt an evaluation and appraisal report every seven (7) years along with the specific requirements regarding the preparation, adoption, submittal, and review of the evaluation and appraisal report; and

WHEREAS, recognizing the progress that local governments had made since the adoption of the 1985 Act, the 2011 Act now provides local governments with greater local control over planning decisions that affect the growth of their communities, by establishing an Evaluation and Appraisal Review ("EAR") process, which now leaves it up to local governments to evaluate, at least once every seven (7) years, their comprehensive plans to determine if amendments are necessary to reflect changes in state requirements and/or in local conditions since the last update of their comprehensive plans; and

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WHEREAS, under this new EAR process, local governments must notify the State Land Planning Agency by letter as to their determination, and if changes are deemed necessary, amend their comprehensive plans and transmit the amendments to the reviewing agencies within one (1) year; and

WHEREAS, if a local government fails to submit a letter to the State Land Planning Agency regarding their need to amend their comprehensive plans or update same as needed, it may not adopt any new comprehensive plan amendments until the necessary amendments to update its comprehensive plans are adopted; and

WHEREAS, the 2011 Act removes the twice-a-year limitation for the adoption of comprehensive plan amendments allowing local governments to determine if and when their comprehensive plans should be amended and also streamlines the review of comprehensive plans and amendments into the following three (3) processes:

1. The *Expedited State Review Process* is codified under s. 163.3184(4), F.S., and is the new name given by the 2011 Act to the Alternative State Review Pilot Program Process of the 1985 Act, which is now applicable statewide. This process is practically used for all comprehensive plan amendments except those that are specifically required to undergo the state coordinated review process. The Expedited State Review Process requires two (2) public hearings and plan amendments are transmitted to reviewing agencies including the State Land Planning Agency that may provide comments on the proposed plan amendment. The reviewing agencies are kept the same as under the 1985 Act.

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The 2011 Act limits the scope of state agency comments on a proposed comprehensive plan amendment, as said agencies may only comment on specified subjects within their jurisdiction as they relate to important state resources and facilities that will be adversely impacted by an amendment if adopted. The State Land Planning Agency must limit its comments to important state resources and facilities outside the jurisdiction of other commenting state agencies and may include comments on countervailing planning policies and objectives served by the comprehensive plan amendment that should be balanced against potential adverse impacts to important state resources and facilities. Comments provided by state agencies must state with specificity how the comprehensive plan amendment will adversely impact an important state resource or facility and must list measures the local government may take to eliminate, reduce, or mitigate the adverse impacts.

After receiving reviewing agency comments, the local government is required to hold a second public hearing on whether to adopt the amendment. The second public hearing must be conducted within 180 days after the agency comments are received. If a local government fails to adopt the amendment within 180 days, the amendment is deemed withdrawn. Unless otherwise specified, the 180-day requirement may be extended by agreement as long as notice is provided to the State Land Planning Agency and any affected person that provided comments on the plan amendment.

After adopting an amendment, the local government must transmit the plan amendment to the State Land Planning Agency within 10 days of the second public

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hearing, and the State Land Planning Agency must notify the local government of any deficiencies with the amendment within five (5) working days. Unless timely challenged, an amendment adopted under the expedited review process does not become effective until 31 days after the State Land Planning Agency notifies the local government that the plan amendment package is complete. Within 30 days of the adoption of an amendment, any affected person may file a challenge with the DOAH.

2. The *State Coordinated Review Process* is codified under s. 163.3184(4), F.S., and is designed for new comprehensive plans and amendments that require a more comprehensive review, namely new plans for newly incorporated municipalities adopted pursuant to s. 163.3167, F.S., and amendments that:
    - Are in an area of critical state concern designated pursuant to s. 380.05, F.S.;
    - Propose a rural land stewardship area pursuant to s. 163.3248, F.S.;
    - Propose a sector plan pursuant to s. 163.3245, F.S.; and
    - Update a comprehensive plan based on an evaluation and appraisal pursuant to s. 163.3191, F.S.

    The State Coordinated Review Process requires two (2) public hearings, and a proposed plan or plan amendment is transmitted to the reviewing agencies within 10 days after the initial hearing. The scope of reviewing agency comments under this process is the same as under the expedited state review process, but the State Land Planning Agency is able to comment more broadly on whether the comprehensive plan or amendment is in compliance. Under this process,

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reviewing agency comments are sent to the State Land Planning Agency that may elect to issue an ORC Report to the local government within 60 days after receiving the proposed comprehensive plan or amendment. The State Land Planning Agency's ORC report details whether the proposed comprehensive plan or amendment is in compliance and whether the proposed comprehensive plan or amendment will adversely impact important state resources and facilities. Once a local government receives the ORC report, it has 180 days to hold a second public hearing on whether to adopt the plan or plan amendment. If not held within 180 days, the comprehensive plan or amendment will be deemed withdrawn, unless the 180-day time requirement is extended by agreement and notice is provided to the State Land Planning Agency and any affected person that submitted comments. After a comprehensive plan or amendment is adopted, the local government must transmit the comprehensive plan or amendment to the State Land Planning Agency within 10 days of the second public hearing, and the State Land Planning Agency must notify the local government of any deficiencies within five (5) working days.

The State Land Planning Agency has subsequently 45 days to determine if the comprehensive plan or amendment is in compliance and if not in compliance, to file a petition with DOAH challenging the comprehensive plan or amendment. The compliance determination is limited to objections raised in the ORC report, unless the comprehensive plan or amendment has substantially changed from the one commented on. The State Land Planning Agency must issue a NOI to find that the plan or plan amendment is in compliance or not in compliance and

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ATTACHTMENT 1

must post a copy of the NOI on its website. If a NOI is issued to find the comprehensive plan or amendment not in compliance, the NOI is forwarded to DOAH for a compliance hearing.

3. The *Small-Scale Amendment Review Process* is set forth under s. 163.3187, F.S. The 2011 Act keeps the 1985 Act's requirements that small-scale amendments maintain internal consistency between elements of the comprehensive plan and cannot be located in an area of critical state concern with exceptions but removes the density restriction and the ability of the State Land Planning Agency to intervene in challenges filed by an affected person. Small-scale amendments are still limited to future land use map changes for site-specific small-scale development activity and may not change goals, policies, or objectives of the local comprehensive plan, unless the text changes relate directly to, and are adopted simultaneously with, the small-scale future land use map change.

   The 2011 Act continues to require that small-scale amendments undergo only one (1) public hearing and are not subject to the twice a-year limitation on amendments but removes the density restriction thereon. It initially retained the 10-acre limit per individual amendment and the cumulative annual 120-acre limit for small-scale amendments but was relaxed in 2019 to include parcels of land 50 acres or less in urban areas or 100 acres or less in a designated Rural Area of Opportunity (formerly called Rural Area of Critical Economic Concern), and to completely do away with the accumulative annual limit. The State Land Planning Agency neither reviews nor issues a NOI stating whether a small-scale development amendment is in compliance with a local comprehensive plan; and

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WHEREAS, recognizing the continuing nature of the statewide, inter-jurisdictional, comprehensive planning process, the Legislature has been, almost every year, making amendments to the 2011 Act to address deficiencies and better promote the orderly and balanced future economic, social, physical, environmental, and fiscal development of the State; and

WHEREAS, these statutory changes to the 2011 Act include various mandates and have direct implication for the City's Comprehensive Plan; and

WHEREAS, these changes include, but are not limited to, the following:

1. The substantial revisions to the Developments of Regional Impact ("DRI") review process by the 2015, 2016 and 2018 Legislatures; and
2. The elimination of the 120-acre annual cap for small-scale amendments by in 2019, and the increase in acreage limit for small-scale development amendment from 10 acres to 50 acres in urban areas, and from 50 acres to 100 acres within a rural area of opportunity in 2021; and
3. The update to s. 163.3177, F.S., in 2021, requiring local governments to now include a property rights element as a required element in their adopted comprehensive plans to ensure that private property rights are considered in local decision-making; and
4. The various amendments made to s. 163.3177, F.S., to: (1) remove the consideration of community goals and vision as a separate component of a local government's analysis; (2) require comprehensive plan elements and amendments to be based on relevant data, which, for the purposes of population estimates and projections, shall now be the greater of the estimates

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and projections published by the Office of Economic and Demographic Research and the local government; (3) increase the two (2) required planning periods to a 10-year and 20-year period, from 5-year and 10-year; (4) prohibit optional elements of a comprehensive plan from restricting the density or intensity established in the future land use element; (5) require comprehensive plans to encourage the location of schools proximate to urban service areas, to the extent possible; (6) to require local governments to discourage urban sprawl by planning for future growth; and (7) require local governments to consider the feasibility of providing sanitary sewer services for developments of more than 50 residential lots that have more than one (1) on-site sewage treatment and disposal systems ("OSTDS") per acre within a 10-year planning horizon, and subsequently update their comprehensive plans to include the sanitary sewer planning element; and

5. The 2023 updates to s.163.3191, F.S., to: (1) prohibit local governments that fail to update their comprehensive plans in accordance with the 7-year evaluation and appraisal process from initiating or adopting any publicly-initiated plan amendments; (2) require the chair of the governing body of the county and mayor of the municipality to sign an affidavit attesting that all elements of the comprehensive plan comply with statutory requirements as part of the periodic review process; and prescribe certain procedures for the DOC to apply when local governments remain out of compliance with comprehensive planning updates; and

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WHEREAS, in addition to these statutory changes that have great implications for the City's Comprehensive Plan since its last update in 2010, many changes have also occurred in the local conditions of the City; and

WHEREAS, per the Bureau of Economic and Business Research ("BEBR") of the University of Florida, the City's population has grown from 122,041 in 2010 to close to 140,000 residents in 2024, which represents an increase of nearly 18,000 new residents or 14.3 percent from the 2010 numbers; and

WHEREAS, during that 15-year period, the City's population growth remains on par with that of Broward County, as indicated by the share-of-growth which essentially remains constant for the period; and

WHEREAS, according to BEBR January 2024 Bulletin, *Projections of Florida County Population by County, 2025-2050, with Estimates for 2023,* Broward County's medium population projections for the 10-year and the 20-year planning horizons are 2.13 million and 2.21 million, respectively; and

WHEREAS, keeping the City's share-of-growth of Broward County's population constant at seven (7) percent, the City's population will be 148,800 and 153,250 residents for the 10-year and the 20-year planning horizons, respectively, which amount to an increase of 10,000 and 15,000 new residents in the two (2) planning horizons; and

WHEREAS, it shall be emphasized that the additional 10,000 residents for the 10-year horizon is consistent with the City's own projection from recent developments (constructed, under construction and/or committed), including, but not limited to, the 2,800-unit, mixed-use development 100-acre, the Park at Miramar, and the 648-unit, 30-acre multifamily rental development, the Miramar Station, the 300-unit, 33-acre

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multifamily rental development, Catalina at Miramar, and the 393-unit, 3.8-acre mixed-use development in the City's Town Center, Manor at Miramar; and

WHEREAS, during the last update of the Comprehensive Plan, only seven (7) percent of the City lands were vacant; and

WHEREAS, the recent growth spurt has depleted most, if not all, of the vacant land inventory reported in the 2010 Data, Inventory and Analysis; and

WHEREAS, the City's current built-out character will physically constrain its ability to accommodate the populations projected for the 10-year and 20-year planning horizons and beyond; and

WHEREAS, in this light, the City must develop and adopt innovative, "Smart Growth," land use policies that are based on market realities and that strategically direct growth along the City's major transit corridors, mainly within the Transit Oriented Corridor ("TOC") and the Miramar Innovation and Technology Activity Center ("MITAC") and around the intersection of University Drive and Miramar Parkway, and support mixed-use development activities, with quality housing for all, integrated with excellent public facilities, recreational opportunities and open space areas, and with a level of site and building design options that conserve energy and promote a healthy, sustainable landscape, support public health and safety; and

WHEREAS, in recent years, the City has, just like the entire South Florida region, if not the nation as a whole, been experiencing a severe affordable housing shortage, which puts at risk both the City's economic competitiveness and quality of life; and

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WHEREAS, the 2022 Broward County Affordable Housing Needs Assessment pointed to a shortage of 2,018 affordable homes for the low-income owners, and of 3,417 affordable rental units for the low-, very low, and extremely low-income renters; and

WHEREAS, due in part to the City's "built-out" character, resulting in higher land costs, the traditional ability of the private market to supply affordable housing has become challenging; and

WHEREAS, in light of the lack of vacant tracts with densities high enough to help ease this affordable housing shortage and also accommodate future population growth, the City must continue to embrace best practices from other local governments, such as the County's Affordable Housing Density Bonus Program, to implement creative, market-rooted land use policies to ensure a supply of affordable housing to meet the current and future needs of the City's residents and economy, as demonstrated in previous public private partnership initiatives such as in the development of the 110-unit, senior affordable rental apartment or the 64-unit, owner-occupier, townhouse project, and in the creation of the Affordable Housing Trust Fund; and

WHEREAS, climate change may well be our generation's and, if not, this century's greatest existential threat, as its wide-ranging devastating impacts tend to exacerbate inequalities associated with income, gender, ethnicity, disability, housing, and more; and

WHEREAS, the City recognizes that, as an integral part of Southeast Florida, which is one of the most vulnerable regions in the United States to the impacts of climate change, it is not immune to the threats of climate change, and must therefore partner with other local leaders to foster a culture of resilience and preparedness and help protect its

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residents and its economy from the unprecedented challenges associated with climate change; and

WHEREAS, the City further acknowledges that, before today's "once in a century" storm surges become "once in a decade" storms, it must start searching for ways to optimize the remaining economic life of its existing infrastructures and take advantage of the available resources from partners such as ICLEI and the Southeast Regional Climate Change Compact; and

WHEREAS, climate-related challenges, from rising seas and flooding to higher temperatures and poor air, underscore the need for a regional approach to climate action planning to help deliver a climate-safe future for the residents and to ensure that the economy of the region does not lock in a high-carbon future or aren't future-proofed against the likely changes in climate; and

WHEREAS, indeed, the solutions required to address these impacts involve scaled, system-level solutions involving transportation, energy, water, economic, social and natural systems, extend therefore well beyond the jurisdictional boundaries of any one governing body or organization and will benefit from the involvement of the federal and state governments, due their ability to wield greater levels of authority and access more significant funding; and

WHEREAS, the required collaborative regional approach notwithstanding, the City must nonetheless play an ever-increasing role in taking the transformational action that is needed across sectors to safeguard livelihoods and welfare in their communities are on the frontlines of the climate crisis; and

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WHEREAS, the City's predominant development pattern has historically been a suburban model with a focus on auto-oriented, low-density, and separated land uses; and

WHEREAS, the City's built-out character physically and fiscally constrains the ability to increase roadway capacity through the construction of additional travel lanes for automobiles; and

WHEREAS, in order to accommodate the projected populations for the 10-year and 20-year planning horizons and also enhance its economic base, the City believes that now is the time to shift the focus from transportation, i.e., the physical movement of goods and people from point A to point B by buses, plains, trains, subway systems, cars, and more, to mobility, which goes beyond basic modes of transportation to take into account ease, efficiency, and accessibility for all individuals, hence the rationale behind the redesignation of the Transportation Element to Mobility Element; and

WHEREAS, embracing equitable access to mobility means considering the limitations of all people including location, age, ability, and socioeconomic status, and then creating accessible transportation to their places of work, family, medical services, and more; and

WHEREAS, research shows that providing accessible and reliable mobility options are not just about enhancing individual lives, but a catalyst for the prosperity and inclusivity of the entire community, fostering a more vibrant and connected way of life for everyone, unlocking economic potential, and keeping people employed; and

WHEREAS, this update the Comprehensive Plan also offers the City the opportunity to update the data that provided the basis for the current GOPs of said Element; and

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WHEREAS, the current CIE of the Comprehensive Plan was last updated in 2010 under the requirements of the 1985 Act, which included a financial feasibility requirement, meaning the CIE had to identify sufficient revenues to fund the 5-year SCI; and

WHEREAS, the 2011 Act has since removed that requirement and, as such, the CIE needs to be updated to remove all the outdated related financial tables and ensure compliance with the new requirements of the 2011 Act, as amended; and

WHEREAS, the City supplies water services to approximately 96% of its current population, with Broward County Water and Wastewater Services ("BCWWS") Area 3BC servicing the remaining residents; and

WHEREAS, potable water is provided by the City's two (2) water treatment plants, the East Water Treatment Plant ("EWTP") and the West Water Treatment Plant ("WWTP"), which are interconnected via the transmission/distribution system and, together, provide adequate infrastructure capacity and water supply allocations to meet water demands over the next 20-year planning window; and

WHEREAS, the City recently adopted a Water Distribution System Master Plan, which: (1) developed scenarios in the model for future demand conditions and evaluate the ability of the system to meet planning criteria while delivering system demands; (2) identify improvements necessary to accommodate future growth with potential to improve system redundancy; and (3) develop a phasing plan showing a logical progression of improvements based on growth and prioritization of existing needs for current, 2025, 2030, and 2045 demand conditions; and

WHEREAS, the Water Distribution System Master Plan specifically develops a Capital Improvement Plan to accommodate future growth and eliminate existing

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deficiencies by upsizing, looping or twinning existing pipelines thereby improving system redundancy; and

WHEREAS, the City owns and operates a wastewater collection, transmission, treatment and disposal system, the Wastewater Reclamation Facility ("WWRF"), to serve its residents and has therefore responsibility for planning, regulating, designing, constructing, operating and maintaining the system, while ensuring compliance with regulatory programs at various levels (federal, state, county, and local); and

WHEREAS, the City has just developed a Wastewater Master Plan through the planning period 2045, which coincidentally corresponds with the Comprehensive Plan's proposed 20-year planning horizon, to most effectively fulfill its responsibilities, provide a high level of service to its residents, promote quality surface waters, practice water conservation, accommodate growth and economic development, and protect public health, safety and the environment; and

WHEREAS, the Wastewater Master Plan identifies capital improvements to meet the needs of the City's service area through the planning period planning period 2045; which capital improvements are based upon an analysis of the age and condition of the existing wastewater infrastructure and incorporate the results of an updated transmission system hydraulic model in consideration of the forecasted population growth during the planning period; and

WHEREAS, the Broward County Charter requires that the FLUE of the City's Comprehensive Plan be consistent with the BrowardNext-Broward County Land Use Plan ("BrowardNext" or "BCLUP", hereafter); and

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WHEREAS, the 2017 adoption of the BrowardNext brought about various policy changes that have great implication for the municipalities in the County; and

WHEREAS, chief among those various changes are: (1) the collapse of the existing "Commercial," "Industrial," "Employment Center" (High and Low) and "Office Park" non-residential permitted uses related to a single "Commerce" future land use designation in both the text and on the map; (2) the increase of the minimal conversion (up to five (5) acres) of lands designated "Recreation and Open Space" on the BCLUP to permit community or public uses, as long as functional and sufficient open space remains for area residents; (3) the replacement of the flexibility zone boundaries with municipal boundaries; (4) the introduction of a pool of residential units, called "Redevelopment Units," to be allocated by the Broward County Commission; and (5) the adoption of an "Affordable Housing Density Bonus Program;" and

WHEREAS, the various policy changes introduced by the 2017 BrowardNext warrant that the City amends both its FLUE and its FLUM to collapse the Commercial Recreation, Employment Center, Office Park and Industrial future land use designations under the Commerce (formerly Commercial) future land use designation; and

WHEREAS, the various policy changes introduced by the 2017 BrowardNext further warrant that the City amends both its FLUE and Housing Element to include the affordable housing bonus density provisions, as adopted in the BrowardNext, as a means to promote the production and preservation of affordable housing in the City, especially in light of the built-out character of the City and the resulting lack of vacant parcels suitable for multifamily housing development, and of the fact that the City has depleted its pool of flexibility and/or redevelopment units; and

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WHEREAS, as mentioned previously, since the passage of the 2011 Community Planning Act, local governments have more discretion in determining whether they need to update their local comprehensive plan and no longer need to submit evaluation and appraisal reports to DOC for a sufficiency determination; and

WHEREAS, instead, local governments must, every seven (7) years, pursuant to Rule Chapter 73C-49, F.A.C., and s. 163.3191, F.S.: (1) determine whether the need exists to amend the comprehensive plan to reflect changes in state requirements since the last update of the comprehensive plan and update the plan based on changes to local conditions; (2) notify the State Land Planning Agency by letter of this determination; and (3) if amendments to the comprehensive plan are deemed necessary, prepare and transmit the proposed amendments to the State Land Planning Agency within one year of such determination for review under the State Coordinated Review Process as set forth in s. 163.3184(4), F.S.; and

WHEREAS, the City conducted an EAR of its adopted Comprehensive Plan and identified the above-described changes, which subsequently led to the determination to comprehensively update its land use planning program, and which primarily stem from the enactment of the Community Planning Act and subsequent amendments, from the adoption of the BCLUP and subsequent amendments, and from the City's local conditions, especially as it relates to population growth and the need for redevelopment in the two (2) planning horizons, affordable housing, equitable access to mobility options and climate resiliency, among other issues; and

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WHEREAS, in compliance with the June 1, 2024 notification deadline established DOC, the City notified the State of its intent to propose EAR-Based Amendments to its Comprehensive Plan in a correspondence dated May 9, 2024; and

WHEREAS, in a correspondence dated May 21, 2024, DOC acknowledged receipt of the City's intent and set the transmittal deadline for the proposed EAR-based Amendments to May 9, 2025; and

WHEREAS, to assist with the Comprehensive Plan Update, the City has issued a Request for Quotation (No. 24-BPZ066) and procured the services of Keith Engineering ("Keith"), a professional planning consultant with great expertise in comprehensive planning; and

WHEREAS, Keith and City staff have been working diligently to review work, tasks, expectations and project schedules, establish reporting relations, identify stakeholders, develop a public involvement plan, discuss specific land use issues/conflicts and opportunities related to the existing GOPs of several Comprehensive Plan Elements; and

WHEREAS, Keith, in coordination with the City, held a kick-off meeting on November 4, 2024, to introduce the project, solicit ideas/concerns, and identify key land use issues to be addressed during the update process; and

WHEREAS, in order to further understand community concerns and aspirations, Keith, in coordination with the City, further organized three (3) neighborhood-level meetings, which were held in the Commission Chambers on January 27, 2025, at the Multi-Service Center on January 28, 2025, and at the Sunset Lakes Community Center on January 29, 2025, respectively; and

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WHEREAS, Keith and City Staff have thoroughly combed through the GOPs of the Comprehensive Plan Elements, at the exception of the Property Rights Element, which the City adopted in 2021, in compliance with s. 163.3177(6), F.S., as has been amended by House Bill 59, to identify antiquated content and recommend policy updates, and specifically develop new action-oriented GOPs that incorporate the public input gathered at the three (3) aforementioned community meetings to better address the changes identified in the EAR, and ultimately support the City's long-term vision for climate-safe, equitable, inclusive, prosperous, and sustainable growth; and

WHEREAS, while the changes in state law are significant and impact several elements of the Comprehensive Plan, it shall be noted that the bulk of the contemplated EAR-Based Amendments to the City's Comprehensive Plan truly involves the substantial revisions being made to the Comprehensive Plan's FLUE to effectively address such growth determinants/drivers in the ever-changing City's local conditions as:

1. Population growth and its impact on development and infrastructure; and
2. Future land use and land management strategies to guide sustainable development; and
3. Production and preservation of affordable housing options; and
4. Redevelopment opportunities along the City's major transit corridors, i.e., State Road 7 and University Drive; and
5. Development of a multimodal mobility system that meets the needs of users of all ages and ability in the City; and
6. Climate Resiliency Planning; and

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WHEREAS, Section 163.3184(20(c), F.S., provides that comprehensive plan amendments based on an evaluation and appraisal pursuant to s. 163.3191, F.S, must follow the Coordinated State Review Process pursuant to Section 163.3184(4) F.S.; and

WHEREAS, pursuant to Section 163.3184(4). F.S., local governments must hold an initial public hearing on all proposed comprehensive plan amendments based on an evaluation and appraisal, pursuant to the noticing requirements of s. 163.3184(11), F.S., and subsequently transmit said amendments with all supporting data and analyses to the reviewing agencies listed under Section 163.3184(1)(c), F.S., within ten working days of the initial hearing; and

WHEREAS, Section 163.3184(4), F.S., provides that reviewing agencies may offer comments on such amendments, which they should transmit to the State land Planning Agency within 30 days from the date after receipt by the State Land Planning Agency of the complete proposed amendments from the local government; and

WHEREAS, Section 163.3184(4), F.S., provides that reviewing agency comments be limited to important state resources and facilities that will be adversely impacted by the amendments if adopted, state with specificity how the amendments will adversely impact important state resources or facilities and identify measures the local government may take to eliminate, reduce, or mitigate the adverse impacts; and

WHEREAS, Section 163.3184(4), F.S., further provides that, if the State Land Planning Agency elects to review the amendments, it shall, within 60 days after receipt of the proposed amendments, issue an ORC Report regarding whether the amendments are in compliance and whether they will adversely impact important state resources and facilities; and

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WHEREAS, Section 163.3184(4), F.S., also stipulates that the local government shall, upon receipt of the ORC Report from the State Land Planning Agency, hold its second public hearing to determine whether to adopt the amendments pursuant to the noticing requirements of s. 163.3184(11), F.S., within 180 days after receipt of the ORC Report; and

WHEREAS, Section 163.3184(4), F.S., specifies that amendments adopted by a local government, along with the supporting data and analysis, shall be transmitted within 10 working days after the final adoption hearing to the State Land Planning Agency and any other agency or local government that provided timely comments; and

WHEREAS, failure by the local government to transmit the amendments within 10 working days after the final adoption hearing will result in the amendments being deemed withdrawn; and

WHEREAS, Section 163.3184(4), F.S., specifies that after the State Land Planning Agency makes a determination of completeness regarding the adopted amendments, the state land planning agency shall have 45 days to determine whether the amendments are in compliance with the Community Planning Act, unless the amendments are substantially changed from the one commented on, during which time period it shall post a notice of intent to find that the amendment are in compliance or not in compliance on its Internet website; and

WHEREAS, Section 163.3184(4), F.S., provides that amendments adopted under the State Coordinated Review Process shall go into effect pursuant to the State Land Planning Agency's notice of intent and, if timely challenged, do not become effective until

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the State Land Planning Agency or the Administration Commission enters a final order determining the adopted amendments to be in compliance; and

WHEREAS, the report from the City's Building, Planning and Zoning Department (the "Department") found the contemplated EAR-Based Amendments to maintain the internal consistency of the Comprehensive Plan, and to satisfy the provisions of ss. 163.3167, 163.3174(4), 163.3184(4) and (11), and 163.3191, F.S. and of s. 303(2)(B) of the City's Land Development Code ("LDC"); and

WHEREAS, the City Manager concurred with the findings from the Department's Report and recommended transmittal of the Amendments to DOC for review under the State Coordinated Review Process established under s. 163.3184(4), F.S.; and

WHEREAS, Section 107 of the City LDC establishes the Planning and Zoning Board (the "P&Z Board") as the Local Planning Agency ("LPA"), with all the powers and duties related to the preparation of the City's Comprehensive Plan and amendment thereof, as further specified in Section 163.3174(4)(a), F.S.; and

WHEREAS, Section 303.6 of the City LDC provides that the P&Z Board, sitting as the LPA, shall hold at least one duly noticed public hearing to review any amendment to the City Comprehensive Plan with respect to the review standards of the City LDC and Section 163.3177, F.S., and, upon a finding that such proposed amendment satisfies said review standards and maintains the internal consistency of the Comprehensive Plan, forward a recommendation to the City Commission; and

WHEREAS, pursuant to Section 163.3174, F.S., and Section 303.6 of the City LDC, the P&Z Board, sitting as the LPA, held a duly noticed public hearing on March 18,

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2025, to review the EAR-Based Amendments, at which hearing the P&Z Board voted to consider the EAR-Based Amendments at its April 8, 2025 public meeting; and

WHEREAS, upon hearing the Department's presentation which summarized and provided the rationale for the EAR-Based Amendments and after due consideration of all matters, the P&Z Board, sitting as the LPA, found the EAR-Based Amendments to maintain the internal consistency of the City's Comprehensive Plan and to comply with all applicable review criteria of the Community Planning Act and the City's LDC, and unanimously voted to recommend that the City Commission transmitted the EAR-Based Amendments to DOC for review under the State Coordinated Review Process established under s. 163.3184(4), F.S.; and

WHEREAS, on April 28, 2025, the City Commission held a workshop to familiarize itself with the policy changes of the EAR-Based Amendments, ascertain a collective growth vision for the 20-year planning horizon and offer input that could be incorporated in the document in anticipation of the May 7, 2025, transmittal hearing; and

WHEREAS, upon receipt of the P&Z Board's recommendation and pursuant to the notice requirements of s. 163.3184(11), F.S., the City Commission held on May 7, 2025 an initial public hearing on the EAR-Based Amendments and, after due consideration of all matters, authorized the transmittal of the EAR-Based Amendments to the State Land Planning Agency and all other reviewing agencies for review under the Coordinated State Review Process set forth in Section 163.3184(4), F.S.; and

WHEREAS, on May 8, 2025, the EAR-Based Amendments were transmitted to the State Land Planning Agency and the other reviewing agencies so they may provide

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comments on important state resources and facilities that will be adversely impacted by the Amendment if adopted; and

WHEREAS, in an electronic correspondence also dated May 8, 2025, the State Land Planning Agency acknowledged receipt of the City's EAR-Based Amendments package; and

WHEREAS, on July 7, 2025, the State Land Planning Agency issued an ORC Report with only three (3) objections, four (4) comments, as well as recommended corrective measures to address the comments and objections; and

WHEREAS, the objections and comments involved certain discrepancies, lack of clarity and omissions related to the planning periods, the intensity standards of the non-residential land use categories, the Five-Year Schedule of Capital Improvements, the industrial land use development restrictions in Policy 1.1.3 of the FLUE, language regarding intergovernmental coordination, and consistency with recently adopted state legislations; and

WHEREAS, upon receipt of the ORC Report, City staff and the Consultant have been in close contact with the State Land Planning Agency and the state reviewing agencies that provided comments i.e., the Florida Department of Transportation ("FDOT") and the Florida Department of Environmental Protection ("FDOT"), to address the objections and comments and revise the EAR-Based Amendments per the Agency's recommended corrective measures; and

WHEREAS, the EAR-Based Amendments, which were presented to and approved by the City Commission at the May 7, 2025, transmittal hearing, have since been revised

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to address the objections and comments in the ORC Report and incorporated, wherever applicable, the recommended policy changes; and

WHEREAS, on November 17, 2025, and in compliance with the 180-day deadline after receipt of toe ORC Report, the City Commission held a second public hearing to adopt the EAR-Based Amendments, as amended, pursuant to the notice requirements of s. 163.3184(11), F.S.; and

WHEREAS, after due consideration of all matters, the City Commission found the EAR-Based Amendments to preserve the internal consistency of the Comprehensive Plan and to comply with all applicable review criteria of the Community Planning Act and the City's LDC; and

WHEREAS, the City Commission also found that the EAR-Based Amendments would foster and preserve public health, safety, comfort and welfare, and to aid in the harmonious, orderly, and progressive development of the City, and further authorized its transmittal to DEO for a determination of Ordinance completeness, in accordance with state law, unless timely challenged, in which case until the Administrative Commission or DEO issues a final order determining that the Amendment is in compliance.

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NOW, THEREFORE, BE IT ORDAINED BY THE CITY COMMISSION OF THE CITY OF MIRAMAR, FLORIDA AS FOLLOWS:

Section 1: **Recitals.** That the foregoing "**WHEREAS**" clauses are ratified and confirmed as being true and correct and are made a specific part of this Ordinance.

Section 2: **Findings.** The City Commission of the City of Miramar, Florida, hereby finds that the Evaluation and Appraisal Review ("EAR") Based Amendments to the Comprehensive Plan of the City of Miramar, attached hereto and incorporated herein by this reference as composite Exhibit "A," to address changes in the Community Planning Act and subsequent amendments, the BrowardNext-Broward County Land Use Plan and subsequent amendments, and the City's local conditions to maintain the internal consistency of the Elements of the Comprehensive Plan, and to satisfy all applicable criteria of the State Coordinated Review Process of s. 163.3184(4), Florida Statute, and s.302(B) of the City's Land Development Code.

Section 3: **Adoption.** The City Commission of the City of Miramar, Florida, hereby passes and adopts the Ordinance enacting the EAR-Based Amendments to the Comprehensive Plan of the City of Miramar, attached hereto and incorporated herein by this reference as composite Exhibit "A," to address changes in the Community Planning Act and subsequent amendments, the BrowardNext-Broward County Land Use Plan and subsequent amendments, and the City's local conditions, to the reviewing agencies of s.163.3184(4)(1)(c), Florida Statutes.

Section 4: **Transmittal.** The City Commission of the City of Miramar, Florida, hereby authorizes the City Manager to first transmit the EAR-Based Amendments to reviewing agencies for review under the State Coordinated Review Process set forth in

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ATTACHTMENT 1

s.163.3184(4), Florida Statutes, and, second, upon addressing the Objections Recommendations and Comments, if any, from the State Land Planning Agency, the executed Ordinance and the adopted EAR-Based Amendments, as may be amended, to the Florida Department of Commerce for a determination as to whether the adopted EAR-Based Amendments are in compliance with the Community Planning Act.

Section 4: **Severability.** If any word, clause, phrase, sentence, paragraph or section of this Ordinance is held to be unconstitutional or invalid by any court of competent jurisdiction, such unconstitutional or invalid part or application shall be considered as eliminated and shall not affect the validity of the remaining portions or applications which shall remain in full force and effect.

Section 5: **Interpretation.** In interpreting the provisions of this Ordinance, additions are shown in underlined text, deletions in ~~stricken through~~ text, and changes between first and second reading in highlighted text.

Section 6: **Administrative Correction of Scrivener's Error.** The City Attorney is hereby authorized to correct scrivener's errors in this Ordinance by filing a corrected copy with the City Clerk.

Section 7: **Effective Date.** The effective date of the adopted EAR-Based Amendments to the Comprehensive Plan of the City of Miramar, if not timely challenged, shall be the date the State Land Planning Agency posts a notice determining that the EAR-Based Amendments are in compliance. If the EAR-Based Amendments are timely challenged, of the State Land Planning Agency issues a notice of intent determining that the EAR-Based Amendments are not in compliance, these EAR-Based Amendments shall become effective on the date the State Land Planning Agency or the Administration

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Commission enters a final order determining these adopted EAR-Based Amendments to be in compliance. ~~Section 3 of this Ordinance shall be 31 days after the Department of Commerce posts a notice of intent that the adopted EAR-Based Amendments are in compliance, unless timely challenged by an affected person, in which case, until such time the Department of Commerce or the Administration Commission enters a final order determining the adopted Amendment to be "In Compliance."~~ Sections 1, 2, 4, 5, 6, 7, and 8 of this Ordinance shall become effective upon adoption.

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Temp. Ord. No. 1844
4/30/25
11/12/25

PASSED FIRST READING: May 7, 2025

PASSED AND ADOPTED ON SECOND READING: November 17, 2025

DocuSigned by:
7850B10E79E04D4...
Mayor, Wayne M. Messam

Vice Mayor, Yvette Colbourne

ATTEST:

City Clerk, Denise A. Gibbs

I HEREBY CERTIFY that I have approved this ORDINANCE as to form:

City Attorney
Austin Pamies Norris Weeks Powell, PLLC

Requested by Administration	**Voted**
Commissioner Maxwell B. Chambers	Yes
Commissioner Avril Cherasard	Yes
Vice Mayor Yvette Colbourne	Yes
Commissioner Carson Edwards	Yes
Mayor Wayne M. Messam	Absent

ATTACHMENT 2

FLORIDACOMMERCE

Ron DeSantis GOVERNOR
J. Alex Kelly SECRETARY

January 8, 2026

The Honorable Wayne M. Messam
Mayor, City of Miramar
2200 Civic Center Place
Miramar, Florida 33025

Dear Mayor Messam,

FloridaCommerce has completed its review of the adopted comprehensive plan amendment for the City of Miramar (Amendment No. 25-01ER), which was received and determined complete on November 24, 2025. FloridaCommerce received the amendment in accordance with the state coordinated review process set forth in sections 163.3184(2) and (4), Florida Statutes (F.S.).

FloridaCommerce has identified conflicts with the application of Chapter 2025-190, Section 28, Laws of Florida (L.O.F.), and the comprehensive plan amendment. These conflicts render the comprehensive plan amendment null and void ab initio pursuant to Chapter 2025-190, Section 28, L.O.F. Chapter 2025-190 provides:

> Section 28. (1) Each county listed in the Federal Disaster Declaration for Hurricane Debby (DR-4806), Hurricane Helene (DR-4828), or Hurricane Milton (DR-4834), and each municipality within one of those counties, may not propose or adopt any moratorium on construction, reconstruction, or redevelopment of any property damaged by such hurricanes; propose or adopt more restrictive or burdensome amendments to its comprehensive plan or land development regulations; or propose or adopt more restrictive or burdensome procedures concerning review, approval, or issuance of a site plan, development permit, or development order, to the extent that those terms are defined by s. 163.3164, Florida Statutes, before October 1, 2027, and any such moratorium or restrictive or burdensome comprehensive plan amendment, land development regulation, or procedure shall be null and void ab initio. This subsection applies retroactively to August 1, 2024.

For the reasons outlined herein, the City of Miramar's adopted amendment is more restrictive or burdensome making it null and void ab initio pursuant to Section 28 of Chapter 2025-190, L.O.F.

In addition, the City is reminded that pursuant to section 163.3191(4), F.S., the City is prohibited from initiating or adopting any publicly initiated plan amendments to its comprehensive plan until it transmits the necessary amendment to update its plan in accordance with section 163.3191(2), F.S. This prohibition on plan amendments does not apply to privately initiated plan amendments.

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If you have any questions concerning this review, please contact James Stansbury, Bureau Chief, by telephone at (850)-717-8512 or via email at James.Stansbury@Commerce.fl.gov.

Sincerely,

James D. Stansbury, Chief
Bureau of Community Planning and Growth

JDS/cn

cc: Nixon Lebrun, AICP, CFM, Building, Planning and Zoning Department Director, City of Miramar
Isabel Cosio Carballo, MPA, Executive Director, South Florida Regional Planning Council

Chapter 2025-190, Section 28, L.O.F. provides:

> Section 28. (1) Each county listed in the Federal Disaster Declaration for Hurricane Debby (DR-4806), Hurricane Helene (DR-4828), or Hurricane Milton (DR-4834), and each municipality within one of those counties, may not propose or adopt any moratorium on construction, reconstruction, or redevelopment of any property damaged by such hurricanes; propose or adopt more restrictive or burdensome amendments to its comprehensive plan or land development regulations; or propose or adopt more restrictive or burdensome procedures concerning review, approval, or issuance of a site plan, development permit, or development order, to the extent that those terms are defined by s. 163.3164, Florida Statutes, before October 1, 2027, and any such moratorium or restrictive or burdensome comprehensive plan amendment, land development regulation, or procedure shall be null and void ab initio. This subsection applies retroactively to August 1, 2024.

The City of Miramar's proposed Amendment 25-01ER proposes a change related to the following policies in the Comprehensive Plan that are more restrictive or burdensome than the Town's currently adopted Comprehensive Plan. The following identified policy is more restrictive or burdensome: Future Land Use Element Policies 1.6.4, 1.8.9, 1.14.10, 1.14.17; Mobility Element Policies 1.1.9, 1.2.8, 4.1.1; Infrastructure Element Policy 2.1.1.

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Relay Service at 711.

ATTACHMENT 3

FLORIDACOMMERCE

Ron DeSantis GOVERNOR
J. Alex Kelly SECRETARY

Staff Report for Review of Plan Amendments			
Title	**Name**	**Signature**	**Date**
Bureau Chief	James Stansbury		
Regional Planning Administrator	Christina Nazaire		
Planning Analyst	Reviewed by the RPA		

Process	☐ **Proposed**	☒ **Adopted**	
☐ ESR	Received:	Complete: Challenge Date:	Ordinance No.: 26-01
☒ SCR	Received: 5/8/2025 Complete: 5/8/2025 External Comments Due: 6/7/2025	Complete: 11/24/2025 Challenge Date: 12/31/2025 NOI Posting: 1/8/2026	Adoption Date: 11/17/2025

Statutory Mail Out Date	
July 7, 2025	January 8, 2026

Tracking Categories	**General Information**
☐ ACSC ☐ Rescind Concurrency ☐ DRI-Related ☐ Water Supply Plan ☐ Military Base ☐ Wekiva Study Area ☐ Peril of Flood ☒ Not Tracked ☐ Property Rights Element	Local Government: Miramar RPC Region: South Florida RPC Amendment No.: 25-01ER

	Proposed	Adopted
No. of Text amendments:	9	9
No. of FLUM amendments:	1	1
Acres in FLUM Amendments:	0	0

Significant changes between the proposed and adopted amendment: Yes

Staff Recommendation	
Proposed	**Adopted**
Staff has identified three objections and four comments to the proposed amendment.	Staff has identified potential conflicts with Chapter 2025-190 section 28, Laws of Florida.

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Summary:

The City of Miramar, located in Broward County, was impacted by Hurricane Milton, and was within the Florida Disaster Declaration of FEMA-4834-DR area as of November 4th, 2024. Adopted amendment 25-01ER updates the City's comprehensive plan to address changes pursuant to Section 163.3191(1), Florida Statutes (F.S.).

At the conclusion of FloridaCommerce's review of the proposed amendment, the Department's Objections, Recommendations, and Comments (ORC) Report was issued on July 7, 2025, and included three objections and four comments. The objections pertained to the City's failure to establish 10- and 20-year planning periods based upon updated data and analysis, meaningful and predictable standards and the Five-Year Capital Improvements Schedule. The comments pertained to Live Local Act concerns, lack of internal consistency, septic-to-sewer standards and intergovernmental coordination. Prior to adoption, the amendment was updated to address the ORC Report.

Staff has identified changes to policies within the Comprehensive Plan related to development proposals, streetscape designs and urban enhancements, surface waters, landscape plans, public transit, fees and public facility levels of service that have been identified as more restrictive or burdensome pursuant Chapter 2025-190, Section 28, Laws of Florida (L.O.F.). A summary of the proposed changes that could be considered more restrictive and burdensome are included below.

Staff Analysis:

Future Land Use Element (FLUE)

- (New) Policy 1.6.4: Require major development proposals in identified activity centers or largescale residential projects to demonstrate how their design will enhance inclusivity for people with cognitive and sensory processing differences through site planning, architectural features, and access to services.
    - *Note: requiring additional analyses to development proposes in identified activity centers is more restrictive and burdensome than what is currently adopted in the comprehensive plan.*

- (New) Policy 1.8.9 Require developers to build mixed-use projects that incorporate streetscape design and urban enhancements within the targeted areas.
    - *Note: requiring developers to incorporate streetscape designs and urban enhancements in their developments is more restrictive and burdensome than what is currently adopted in the comprehensive plan.*

- (New) Policy 1.14.10 New development adjacent to or in the vicinity of surface waters shall be designed to minimize the direct discharge of stormwater runoff into such bodies of water.
    - *Note: requiring new design standards for new development near surface waters is more restrictive and burdensome than what is currently adopted in the comprehensive plan.*
- (New) Policy 1.14.17 Require permits for new development/redevelopment to include landscape plans for native vegetation, reestablishment or creation of tree canopy and require the removal of exotic vegetation species.
    - *Note: requiring additional landscape standards for new permits is more restrictive and burdensome than what is currently adopted in the comprehensive plan.*

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Mobility Element

- (New) Policy 1.1.9 Require that future developments make provisions for public transit facilities and features, such as covered bus shelters, benches, and bus bays, and coordinate closely with transit agencies to ensure that transit facilities are consistent with short and long-range plans of those agencies.
    - *Note: requiring new development to make provisions for public transit facilities is more restrictive and burdensome than what is currently adopted in the comprehensive plan.*

- (New) Policy 1.2.8 New development and redevelopment shall contribute a fee to be established within the City's fee structure in conjunction with the transit organizations, which will be put into a multi-modal transportation project fund that will be used to provide or make enhancements to transit stops, walkways and bikeways; and provide connectivity between the residential neighborhoods and commercial developments throughout the City.
    - *Note: requiring development and redevelopment to contribute a new fee is more restrictive and burdensome than what is currently adopted in the comprehensive plan.*

- (New) Policy 4.1.1 New development and redevelopment must demonstrate that the adopted roadway level of service can be maintained in the buildout year of the development. A traffic study prepared by a registered Professional Engineer shall be provided to the City identifying existing and future traffic volumes at buildout of the development, as well as recommendations for roadway improvements, if any. For those projects that cannot meet the concurrency requirement for transportation, the City may accept the use of "proportionate fair-share mitigation for transportation facilities" consistent with Section 163.3180, Florida Statute (F.S).
    - *Note: requiring new development and redevelopment to demonstrate that the adopted roadway level of service can be maintained in the buildout year of the development is more restrictive and burdensome than what is currently adopted in the comprehensive plan.*

Infrastructure Element

- Policy 2.1.1; increases the sanitary sewer level of service from 300 gallons per day (gpd) to 325 gpd.
    - *Note: increasing the sanitary sewer LOS is more restrictive and burdensome.*

Staff Recommendation:

FloridaCommerce staff has identified conflicts with Chapter 2025-190, section 28, Laws of Florida. Given the evidence of restrictive and burdensome policies, FloridaCommerce staff recommends making this amendment "null and void."

External Agency Comments:

No external agency comments concerning the adopted amendment have been received as of 12/23/2025.

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