

**Ron DeSantis**  
GOVERNOR



**Dane Eagle**  
SECRETARY

May 28, 2021

The Honorable Cory Coler  
Mayor, City of Eagle Lake  
Post Office Box 129  
Eagle Lake, Florida 33839

Dear Mayor Coler:

The Department of Economic Opportunity ("Department") has reviewed the proposed comprehensive plan amendment for the City of Eagle Lake (Amendment No. 21-01ESR) received on May 7, 2021. The review was completed under the expedited state review process. We have no comment on the proposed amendment.

The City should act by choosing to adopt, adopt with changes, or not adopt the proposed amendment. For your assistance, we have enclosed the procedures for adoption and transmittal of the comprehensive plan amendment. In addition, the City is reminded that:

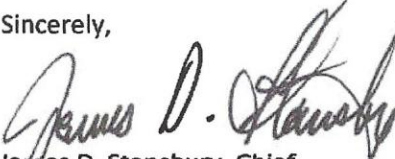
- Section 163.3184(3)(b), F.S., authorizes other reviewing agencies to provide comments directly to the City. **If the City receives reviewing agency comments and they are not resolved, these comments could form the basis for a challenge to the amendment after adoption.**
- **The second public hearing**, which shall be a hearing on whether to adopt one or more comprehensive plan amendments, **must be held within 180 days** of your receipt of agency comments or the amendment shall be **deemed withdrawn** unless extended by agreement with notice to the Department and any affected party that provided comment on the amendment pursuant to Section 163.3184(3)(c)1., F.S.
- **The adopted amendment must be rendered to the Department.** Under Section 163.3184(3)(c)2. and 4., F.S., the **amendment effective date** is 31 days after the Department notifies the City that the amendment package is complete or, if challenged, until it is found to be in compliance by the Department or the Administration Commission.

Florida Department of Economic Opportunity | Caldwell Building | 107 E. Madison Street | Tallahassee, FL 32399  
850.245.7105 | [www.FloridaJobs.org](http://www.FloridaJobs.org)  
[www.twitter.com/FLDEO](https://www.twitter.com/FLDEO) | [www.facebook.com/FLDEO](https://www.facebook.com/FLDEO)

An equal opportunity employer/program. Auxiliary aids and service are available upon request to individuals with disabilities. All voice telephone numbers on this document may be reached by persons using TTY/TTD equipment via the Florida Relay Service at 711.

If you have any questions concerning this review, please contact Scott Rogers, Planning Analyst, by telephone at (850) 717-8510 or by email at [scott.rogers@deo.myflorida.com](mailto:scott.rogers@deo.myflorida.com).

Sincerely,



James D. Stansbury, Chief  
Bureau of Community Planning and Growth

JDS/sr

Enclosure(s): Procedures for Adoption

cc: Thomas Earnharth, City Manager, City of Eagle Lake  
Patricia Steed, Executive Director, Central Florida Regional Planning Council

## SUBMITTAL OF ADOPTED COMPREHENSIVE PLAN AMENDMENTS

### FOR EXPEDITED STATE REVIEW

Section 163.3184(3), Florida Statutes

**NUMBER OF COPIES TO BE SUBMITTED:** Please submit electronically using the Department's electronic amendment submittal portal "**Comprehensive Plan and Amendment Upload**"

(<https://floridajobs.secure.force.com/cp/>) or submit three complete copies of all comprehensive plan materials, of which one complete paper copy and two complete electronic copies on CD ROM in Portable Document Format (PDF) to the State Land Planning Agency and one copy to each entity below that provided timely comments to the local government: the appropriate Regional Planning Council; Water Management District; Department of Transportation; Department of Environmental Protection; Department of State; the appropriate county (municipal amendments only); the Florida Fish and Wildlife Conservation Commission and the Department of Agriculture and Consumer Services (county plan amendments only); and the Department of Education (amendments relating to public schools); and for certain local governments, the appropriate military installation and any other local government or governmental agency that has filed a written request.

**SUBMITTAL LETTER:** Please include the following information in the cover letter transmitting the adopted amendment:

\_\_\_\_\_ State Land Planning Agency identification number for adopted amendment package;

\_\_\_\_\_ Summary description of the adoption package, including any amendments proposed but not adopted;

\_\_\_\_\_ Identify if concurrency has been rescinded and indicate for which public facilities. (Transportation, schools, recreation and open space).

\_\_\_\_\_ Ordinance number and adoption date;

\_\_\_\_\_ Certification that the adopted amendment(s) has been submitted to all parties that provided timely comments to the local government;

\_\_\_\_\_ Name, title, address, telephone, FAX number and e-mail address of local government contact;

\_\_\_\_\_ Letter signed by the chief elected official or the person designated by the local government.

**ADOPTION AMENDMENT PACKAGE:** Please include the following information in the amendment package:

\_\_\_\_\_ In the case of text amendments, changes should be shown in strike-through/underline format.

\_\_\_\_\_ In the case of future land use map amendments, an adopted future land use map, in **color format**, clearly depicting the parcel, its future land use designation, and its adopted designation.

\_\_\_\_\_ A copy of any data and analyses the local government deems appropriate.

**Note:** If the local government is relying on previously submitted data and analysis, no additional data and analysis is required;

\_\_\_\_\_ Copy of the executed ordinance adopting the comprehensive plan amendment(s);

Suggested effective date language for the adoption ordinance for expedited review:

"The effective date of this plan amendment, if the amendment is not timely challenged, shall be 31 days after the state land planning agency notifies the local government that the plan amendment package is complete. If the amendment is timely challenged, this amendment shall become effective on the date the state land planning agency or the Administration Commission enters a final order determining this adopted amendment to be in compliance."

\_\_\_\_\_ List of additional changes made in the adopted amendment that the State Land Planning Agency did not previously review;

\_\_\_\_\_ List of findings of the local governing body, if any, that were not included in the ordinance and which provided the basis of the adoption or determination not to adopt the proposed amendment;

\_\_\_\_\_ Statement indicating the relationship of the additional changes not previously reviewed by the State Land Planning Agency in response to the comment letter from the State Land Planning Agency.

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## ORDINANCE NO. O-21-11

AN ORDINANCE OF THE CITY OF EAGLE LAKE, FLORIDA EXTENDING THE CORPORATE LIMITS OF THE CITY OF EAGLE LAKE, TO INCLUDE THEREIN ADDITIONAL TERRITORY LYING CONTIGUOUS AND ADJACENT TO THE PRESENT BOUNDARIES OF THE CITY OF EAGLE LAKE; DESCRIBING SAID ADDITIONAL TERRITORY; REPEALING ALL ORDINANCES CONFLITING HERewith AND PROVIDING AN EFFECTIVE DATE. (General Location: A parcel of land, approximately 0.99 acres in size, lying north of Eagle Lake Loop Road, with a street address of 1057 Eagle Lake Loop Road, Eagle Lake, Florida 33839 and referenced as the "Thousand Oaks Development")

WHEREAS, the owners of the property to be annexed, have filed a petition for voluntary annexation pursuant to Section 171.044, Florida Statutes; and

WHEREAS, the City of Eagle Lake deems it expedient and practical to incorporate said territory, as the same is in conformity with the overall plans for extending the boundaries of the City of Eagle Lake; and,

WHEREAS, the property herein described is contiguous, compact and adjacent to the corporate limits of the City of Eagle Lake, and the property will become a part of the unified corporate area with respect to municipal services and benefits.

NOW, THEREFORE, BE IT ENACTED BY THE PEOPLE OF THE CITY OF EAGLE LAKE, FLORIDA:



1. That the City Commission of the City of Eagle Lake does hereby annex into the corporate limits of the City of Eagle Lake, Florida, the following described property.

That property described in Composite Exhibit "A" (legal description and location map).

2. All ordinances in conflict herewith are hereby repealed.
3. This ordinance shall take effect after the second reading, provided however, that such change shall first be noted upon the official zoning map of the City of Eagle Lake, Florida.

INTRODUCED on first reading this 8<sup>th</sup> day of September, 2021.

PASSED on second reading this \_\_\_\_\_ day of \_\_\_\_\_, 2021.

CITY OF EAGLE LAKE, FLORIDA

\_\_\_\_\_  
CORY COLER, MAYOR  
COMMISSIONER

ATTEST:

\_\_\_\_\_  
DAWN WRIGHT, CITY CLERK

APPROVED AS TO FORM:

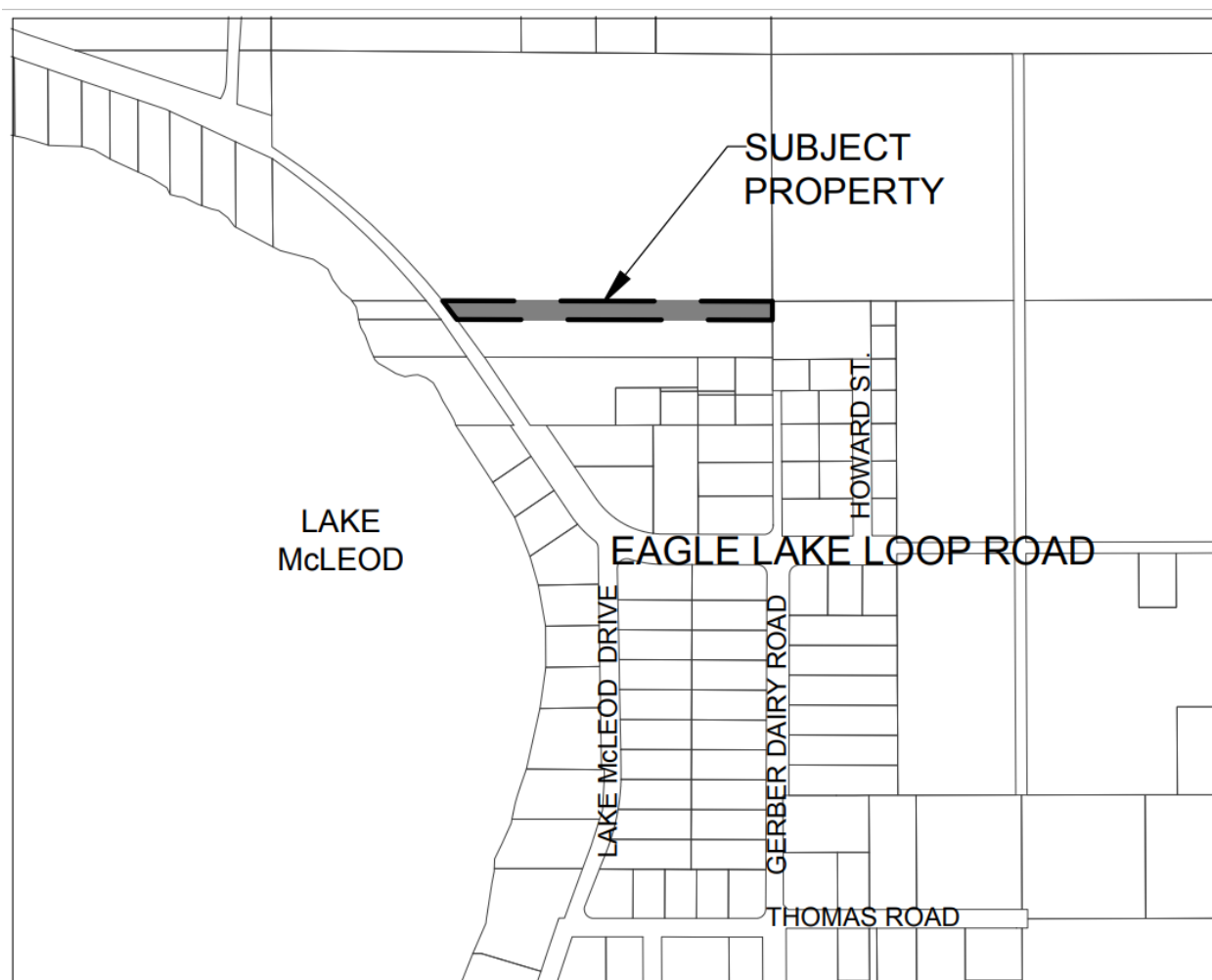
\_\_\_\_\_  
JEFFERY S. DAWSON, CITY ATTORNEY

## EXHIBIT "A"

### Legal Description:

THE EAST 645 FEET OF THE NORTH 50 FEET OF LOT 108 WAHNETA FARMS, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 1, PAGE 82A AND 82B, PUBLIC RECORDS OF POLK COUNTY, FLORIDA.

### Location Map:



ORDINANCE NO.: O-21-12

AN ORDINANCE AMENDING THE CITY OF EAGLE LAKE, FLORIDA 2030 COMPREHENSIVE PLAN BY REVISING THE FUTURE LAND USE MAP SERIES TO ASSIGN LOW-DENSITY RESIDENTIAL FUTURE LAND USE TO ONE (1) ANNEXED PARCEL; REPEALING ALL ORDINANCES IN CONFLICT HERewith; AND, PROVIDING AN EFFECTIVE DATE. (General Location: A parcel of land, approximately 0.99 acre in size, lying north of Eagle Lake Loop Road, with a street address of 1057 Eagle Lake Loop Road, Eagle Lake, Florida 33839 and referenced as the "Thousand Oaks Development")

**WHEREAS**, the Legislature of the State of Florida has, in Chapter 166, Florida Statutes, delegated the responsibility to local governmental units the power to adopt regulations designed to promote the public health, safety and general welfare of its citizens; and

**WHEREAS**, the City of Eagle Lake, Florida, pursuant to Section 163.3161, et. seq., Florida Statutes, the Community Planning Act, formerly the Florida Local Government Comprehensive Planning and Land Development Regulation Act, was required to prepare and adopt a comprehensive plan; and

**WHEREAS**, the City of Eagle Lake City Commission adopted the Eagle Lake 2030 Comprehensive Plan on April 18, 2011; and

**WHEREAS**, Chapter 163, Part II, Florida Statutes, the Community Planning Act, provides authority for local governments to amend their respective comprehensive plans and outlines certain procedures to amend adopted comprehensive plans; and

**WHEREAS**, the City of Eagle Lake received an application, dated JULY 14, 2021, for voluntary annexation of property described herein and attached as Exhibit A, pursuant to Section 171.044, Florida Statutes; and

**WHEREAS**, the City of Eagle Lake City Commission duly annexed the property described herein and identified as the amendment area into the corporate limits of the City of Eagle Lake on September 21, 2021; and

**WHEREAS**, the City of Eagle Lake received an application for Comprehensive Plan Amendment and Zoning, dated March 31, 2021, to amend the 2030 Comprehensive Plan Future Land Use Map by assigning a Residential Low (RL) Future Land Use designation and assign Planned Development – Housing (PH-H) zoning to the property described herein; and



**WHEREAS**, pursuant to Section 163.3184, Florida Statutes, and Division VI of the Eagle Lake Land Development Code, after due public notice the City of Eagle Lake Planning Commission, as the “Local Planning Agency,” held a public hearing on May 3, 2021 to consider making a recommendation to the City Commission regarding the application for an amendment to the Future Land Use Map and PD-H zoning; and

**WHEREAS**, pursuant to Section 163.3184, Florida Statutes, the Eagle Lake City Commission held a public hearing on September 8, 2021 and September 21, 2021 to consider the adoption of the proposed amendment to its Comprehensive Plan; and

**WHEREAS**, the Eagle Lake City Commission considered all oral and written comments received during such public hearing, including the data and analysis provided for this amendment, and the recommendation of the Planning Commission.

**NOW, THEREFORE, BE IT ORDAINED** by the City Commission of the City of Eagle Lake, Florida, as follows:

#### **SECTION I. PURPOSE AND INTENT,**

This Ordinance is hereby enacted to carry out the purpose and intent of, and exercise the authority set out in the Community Planning Act, Chapter 163, Part II, Florida Statutes, as amended.

#### **SECTION II. FUTURE LAND USE MAP AMENDMENT.**

The City of Eagle Lake City Commission hereby adopts the following amendment to the Eagle Lake 2030 Comprehensive Plan Future Land Use Map Series, which will be updated consistent with the action of the Eagle Lake City Commission set forth in this Ordinance.

1. The Comprehensive Plan Amendment application request an amendment to the Future Land Use Map Series designated as the amendment area described herein and consisting of 0.99 +/- acres.
2. The amendment area is specifically described by a legal description and location map attached hereto as Exhibit “A” and includes the following Parcel Identification Numbers: 262907-676000-010801.
3. Prior to annexation by the amendment area was designated Residential Low (RL-3) on the Polk County Comprehensive Plan Future Land Use Map Series adopted by the Board of County Commissioners, Polk County, Florida.
4. Upon the legal effective date of this Ordinance, the Eagle Lake Future Land Use Map category for the amendment area will be designated as Low Density Residential as shown in Exhibit 2, attached hereto Any future development of the amendment area will be required to meet the standards of the Eagle Lake Comprehensive Plan.

**SECTION IV. CONFLICT WITH OTHER ORDINANCES OR CODES.**

All Ordinances or parts of Ordinances of the Code of Ordinances of Eagle Lake, Florida, in conflict with the provision of this Ordinance are hereby repealed to the extent of such conflict.

**SECTION V. SEVERABILITY**

Should any word, phrase, sentence or section of this Ordinance be held by a court of competent jurisdiction to be illegal, void, unenforceable, or unconstitutional, then such shall be severed from this Ordinance, and the remainder of the Ordinance shall remain in full force and effect.

**SECTION VI. EFFECTIVE DATE.**

This Ordinance shall become effective on the 31<sup>st</sup> day after its adoption by the Eagle Lake City Commission.

ADOPTED ON THIS \_\_\_\_\_, 2021

EAGLE LAKE CITY COMMISSION

ATTEST:

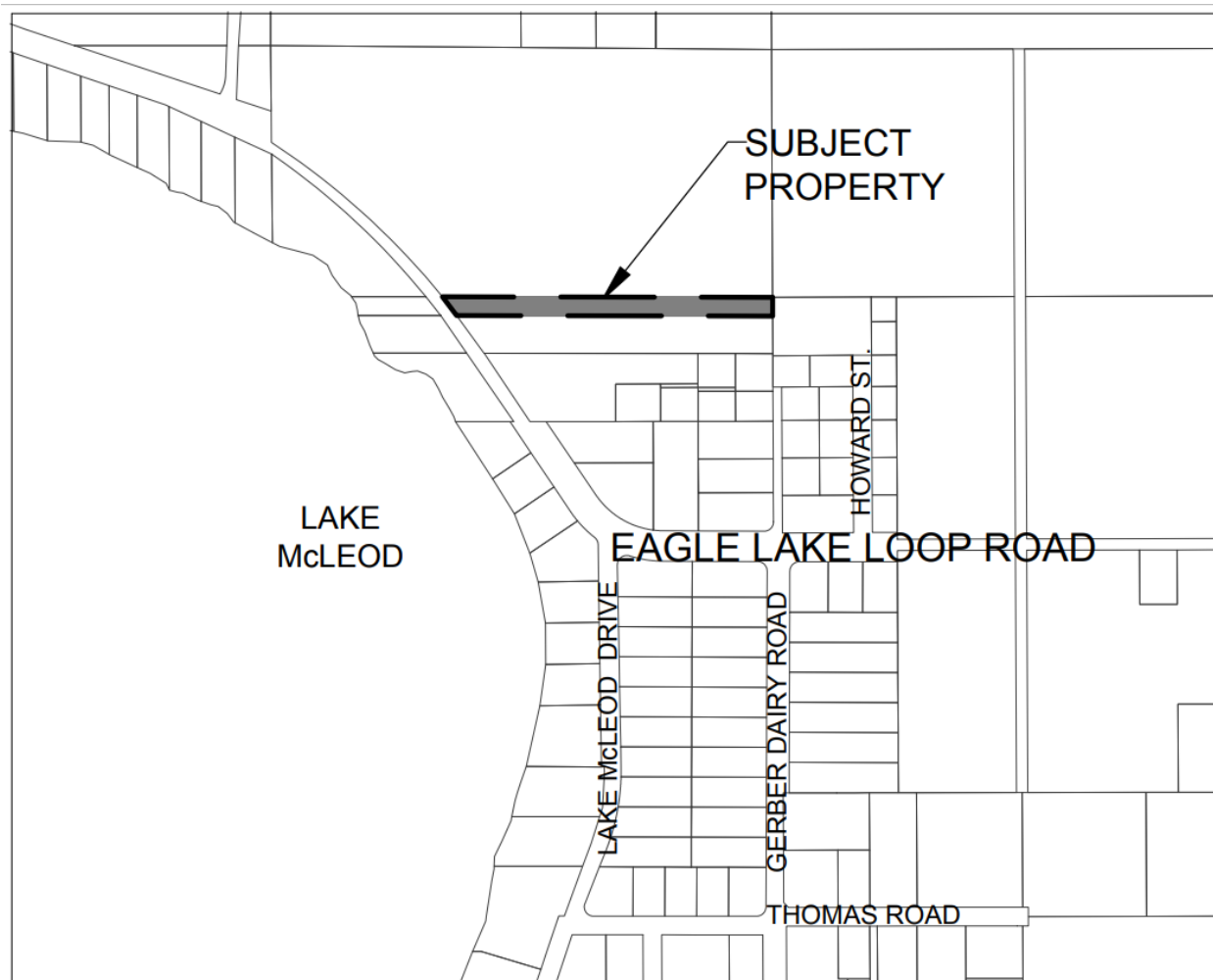
\_\_\_\_\_  
DAWN WRIGHT  
CITY CLERK

BY: \_\_\_\_\_  
CORY COLER, MAYOR

Approved as to Form:

\_\_\_\_\_  
JEFFERY S. DAWSON  
CITY ATTORNEY

EXHIBIT A – LOCATION MAP AND LEGAL DESCRIPTION



LEGAL DESCRIPTION:

THE EAST 645 FEET OF THE NORTH 50 FEET OF LOT 108 WAHNETA FARMS, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 1, PAGE 82A AND 82B, PUBLIC RECORDS OF POLK COUNTY, FLORIDA.

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**INNOVATIVE ENGINEERS, SURVEYORS, PLANNERS**  
6700 South Florida Avenue Suite 4,  
Lakeland, Florida 33813  
(863)686-0544 • Fax: (863) 680-1434  
SURVEYING AND MAPPING BUSINESS - LB 7454  
PROFESSIONAL ENGINEERING SERVICES - CA#2668



ORDINANCE NO.: O-21-13

AN ORDINANCE AMENDING THE CITY OF EAGLE LAKE, FLORIDA LAND DEVELOPMENT REGULATIONS BY REVISING THE ZONING MAP TO ASSIGN PLANNED DEVELOPMENT – HOUSING (PD-H) TO SIX (6) ANNEXED PARCELS; REPEALING ALL ORDINANCES IN CONFLICT HERewith; AND, PROVIDING AN EFFECTIVE DATE. (General Location: A parcel of land, approximately 109.16 acres in size, lying north of Eagle Lake Loop Road, with a street address of 1057 and 1065 Eagle Lake Loop Road, Eagle Lake, Florida 33839 and referenced as the “Thousand Oaks Development”)

**WHEREAS**, the Legislature of the State of Florida has, in Chapter 166, Florida Statutes, delegated the responsibility to local governmental units the power to adopt regulations designed to promote the public health, safety and general welfare of its citizens; and

**WHEREAS**, the City of Eagle Lake, Florida, pursuant to Section 163.3161, et. seq., Florida Statutes, the Community Planning Act, formerly the Florida Local Government Comprehensive Planning and Land Development Regulation Act, was required to prepare and adopt a comprehensive plan; and

**WHEREAS**, the City of Eagle Lake City Commission adopted the Eagle Lake 2030 Comprehensive Plan on April 18, 2011; and

**WHEREAS**, Chapter 163, Part II, Florida Statutes, the Community Planning Act, provides authority for local governments to amend their respective comprehensive plans and outlines certain procedures to amend adopted comprehensive plans; and

**WHEREAS**, the City of Eagle Lake received two (2) applications, dated March 29, 2021 and July 14, 2021, for voluntary annexation of property described herein and attached as Exhibit A, pursuant to Section 171.044, Florida Statutes; and

**WHEREAS**, the City of Eagle Lake City Commission duly annexed the property described herein and identified as the amendment area into the corporate limits of the City of Eagle Lake on June 7, 2021 and September 21, 2021; and

**WHEREAS**, the City of Eagle Lake received an application for Comprehensive Plan Amendment and Zoning, dated March 31, 2021, to amend the 2030 Comprehensive Plan Future Land Use Map by assigning a Residential Low (RL) Future Land Use designation and assign Planned Development – Housing (PH-H) zoning to the property described herein; and

**WHEREAS**, pursuant to Section 163.3184, Florida Statutes, after due public notice, the City of Eagle Lake City Commission adopted Ordinances O-21-05 and O-21-12, which approved an amendment to the Eagle Lake 2030 Comprehensive Plan by assigning Residential Low (RL) Future Land Use to the property described herein and attached as Exhibit A; and

**WHEREAS**, pursuant to Division VI of the Eagle Lake Land Development Regulations, after due public notice, the City of Eagle Lake Planning Commission, as the “Local Planning Agency,” held a public hearing on September 8, 2021 to consider making a recommendation to the City Commission regarding the application for an amendment to the Future Land Use Map and PD-H zoning; and

**WHEREAS**, pursuant to Section 163.3184, Florida Statutes, the Eagle Lake City Commission held a public hearing on September 8, 2021 and September 21, 2021 to consider the adoption of the proposed amendment to its Zoning Map; and

**WHEREAS**, the Eagle Lake City Commission considered all oral and written comments received during such public hearing, including the data and analysis provided for this amendment, and the recommendation of the Planning Commission.

**NOW, THEREFORE, BE IT ORDAINED** by the City Commission of the City of Eagle Lake, Florida, as follows:

## **SECTION I. PURPOSE AND INTENT,**

This Ordinance is hereby enacted to carry out the purpose and intent of, and exercise the authority set out in the Community Planning Act, Chapter 163, Part II, Florida Statutes, as amended.

## **SECTION II. ZONING ASSIGNMENT.**

Upon the legally effective date of this Ordinance, the Zoning Classification for the amendment area will be designated as Planned Development-Housing (PD-H) as shown in Exhibit 3, attached hereto, pursuant to the provisions of the Eagle Lake Land Development Code. Additionally, the Planned Development-Housing zoning designation shall be subject to the following conditions:

1. The PD-H area shall be developed in a manner generally consistent with the conceptual master plan submitted as part of the Comprehensive Plan Amendment/Zoning application and includes a maximum number of residential dwelling units of 264. Residential lots shall adhere to the following dimensional standards:

Lot Width	40 feet minimum
Lot Area	4,400 square feet minimum
Lot Coverage	2,500 square feet maximum
Floor Area	950 square feet minimum
Max. IS Coverage	55%

Max. Structure Height	Max. 2 floors up to 35 feet
Front Setback	20 feet from garage or carport 15 feet from porch or living area
Side Setback	5 feet minimum 15 feet minimum for corner lots
Rear Setback	10-feet minimum

2. Each residential lot shall require the planting of two overstory trees prior to the issuance of a Certificate of Occupancy for the home constructed on the lot.
3. A minimum 4-foot wide sidewalk shall be constructed on both sides of internal roadways for each residential lot prior to the issuance of a certificate of occupancy for the house. The applicant/developer shall ensure that sidewalks are constructed on portions of internal roads that do have lot frontage (e.g. recreation areas, stormwater retentions areas, easements) to ensure that sidewalks are continuous and connected throughout the subdivision,
4. A minimum of two off-street parking spaces shall be provided for each lot.
5. Decorative light poles and fixtures of the developers choosing shall be installed within the development at the time each phase is constructed. Light fixtures shall utilize LED technology and utilize full cut-off luminaries. Lighting shall be provided at a minimum standard of one light fixture per 350 linear feet of roadway.
6. Prior to final site plan approval, a traffic study shall be performed for the proposed development in accordance with methodology prescribed by the Polk County Transportation Planning Organization (Polk TPO).
7. All other code requirements shall apply.

#### **SECTION IV. CONFLICT WITH OTHER ORDINANCES OR CODES.**

All Ordinances or parts of Ordinances of the Code of Ordinances of Eagle Lake, Florida, in conflict with the provision of this Ordinance are hereby repealed to the extent of such conflict.

#### **SECTION V. SEVERABILITY**

Should any word, phrase, sentence or section of this Ordinance be held by a court of competent jurisdiction to be illegal, void, unenforceable, or unconstitutional, then such shall be severed from this Ordinance, and the remainder of the Ordinance shall remain in full force and effect.

#### **SECTION VI. EFFECTIVE DATE.**

This Ordinance shall become effective on the 31<sup>st</sup> day after its adoption by the Eagle Lake City Commission.

ADOPTED ON THIS \_\_\_\_\_, 2021

EAGLE LAKE CITY COMMISSION

ATTEST:

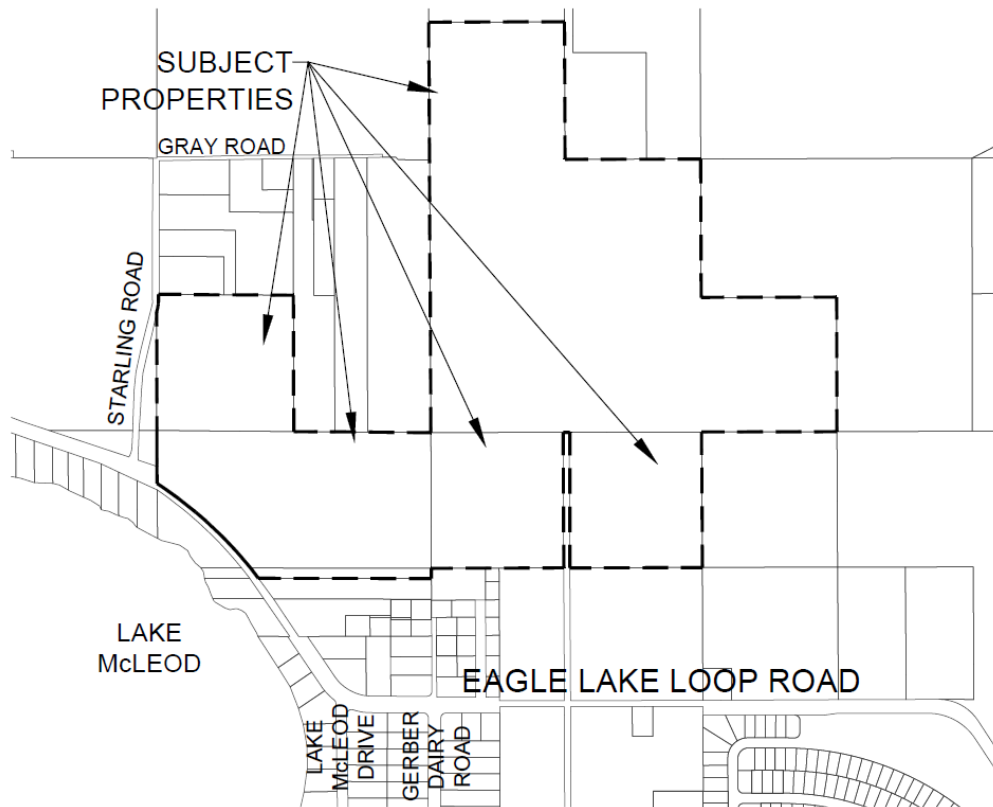
\_\_\_\_\_  
DAWN WRIGHT  
CITY CLERK

BY: \_\_\_\_\_  
CORY COLER, MAYOR

Approved as to Form:

\_\_\_\_\_  
JEFFERY S. DAWSON  
CITY ATTORNEY

## EXHIBIT A – LOCATION MAP AND LEGAL DESCRIPTION



### LEGAL DESCRIPTION:

Lots 75, 78, 79, 101 less the north 15 feet, 102 and 103, Wahneta Farms, according to the Plat thereof recorded in Plat Book 1, Pages 82A and 82B, of the Public Records of Polk County, Florida;

AND,

Lot 105, Wahneta Farms, according to the Plat thereof recorded in Plat Book 1, Pages 82A and 82B, of the Public Records of Polk County, Florida;

AND,

Lots 106 lying east of Eagle Lake Loop Road and 107, Wahneta Farms, according to the Plat thereof recorded in Plat Book 1, Pages 82A and 82B, of the Public Records of Polk County, Florida;

AND,

Lots 1,2,3, and 4, J.A. Johnson Subdivision, according to the Plat thereof recorded in Plat Book 2, Page 103 in the Public Records of Polk County, Florida.

AND

THE EAST 645 FEET OF THE NORTH 50 FEET OF LOT 108 WAHNETA FARMS, ACCORDING TO THE PLAT THEREOF RECORED IN PLAT BOOK 1, PAGE 82A AND 82B, PUBLIC RECORDS OF POLK COUNTY, FLORIDA.



**BOUNDARY SURVEY**  
SECTION 7 & 8, T14N, R14E, S14E, J4, 14-25  
TULSA COUNTY, FLORIDA

**LEGEND**

- 1. BOUNDARY LINE
- 2. EASEMENT
- 3. RIGHT-OF-WAY
- 4. ADJACENT PROPERTY
- 5. ADJACENT WATER
- 6. ADJACENT ROAD
- 7. ADJACENT RAILROAD
- 8. ADJACENT AIRPORT
- 9. ADJACENT PARK
- 10. ADJACENT SCHOOL
- 11. ADJACENT CHURCH
- 12. ADJACENT HOSPITAL
- 13. ADJACENT GOVERNMENT BUILDING
- 14. ADJACENT INDUSTRIAL BUILDING
- 15. ADJACENT RESIDENTIAL BUILDING
- 16. ADJACENT COMMERCIAL BUILDING
- 17. ADJACENT OFFICE BUILDING
- 18. ADJACENT FACTORY BUILDING
- 19. ADJACENT WAREHOUSE BUILDING
- 20. ADJACENT GARAGE BUILDING
- 21. ADJACENT DRIVE BUILDING
- 22. ADJACENT PORCH BUILDING
- 23. ADJACENT PATIO BUILDING
- 24. ADJACENT DECK BUILDING
- 25. ADJACENT FENCE BUILDING
- 26. ADJACENT GATE BUILDING
- 27. ADJACENT WALL BUILDING
- 28. ADJACENT CURB BUILDING
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- 32. ADJACENT RAMP BUILDING
- 33. ADJACENT ELEVATOR BUILDING
- 34. ADJACENT ESCALATOR BUILDING
- 35. ADJACENT LIFT BUILDING
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- 50. ADJACENT GARDEN BUILDING
- 51. ADJACENT YARD BUILDING
- 52. ADJACENT LOT BUILDING
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- 54. ADJACENT PARCEL BUILDING
- 55. ADJACENT SUBDIVISION BUILDING
- 56. ADJACENT DISTRICT BUILDING
- 57. ADJACENT COUNTY BUILDING
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- 100. ADJACENT INTERSTATE BUILDING

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**SECTION**

ORDINANCE NO.: O-21-14

AN ORDINANCE OF THE CITY COMMISSION OF THE CITY OF EAGLE LAKE, FLORIDA, REPEALING CHAPTER 8 OF ITS CODE OF ORDINANCES, ENTITLED LOCAL BUSINESS TAXES AND BUSINESS REGULATIONS, IN ITS ENTIRETY; PROVIDING FOR CODIFICATION; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, Article VIII of the State Constitution and Chapter 166 of the Florida Statutes provides that municipalities shall have the government, corporate, and proprietary powers to enable them to conduct municipal government, perform municipal functions, and render municipal services, and exercise any power for municipal purposes, except when expressly prohibited by law; and,

WHEREAS, the City of Eagle Lake, pursuant to Chapter 8 of its Code of Ordinances, levies a business tax for the privilege of engaging in or managing a business, profession, or occupation within the jurisdiction of the City of Eagle Lake, and defines business as all kinds of vocations, occupations, professions, enterprises, establishments and all other kinds of activities and matters together with all devices, machines, vehicles and appurtenances used therein, any of which are conducted for private profit or benefit, either directly or indirectly, on any premises in the City of Eagle Lake; and

WHEREAS, the City Commission desires to repeal Chapter 8 of the Code of Ordinances of the City of Eagle Lake, in its entirety; and,

WHEREAS, the City Commission deems it in the best interest of the residents of the City of Eagle Lake, to reserve the ability to adopt updated business tax regulations, consistent with requirements of Florida Statute.

NOW THEREFORE, BE IT ORDAINED by the City Commission of the City of Eagle Lake, Florida, as follows:

1. The City Commission of the City of Eagle Lake does hereby repeal Chapter 8 of the Code of Ordinances of the City of Eagle Lake, entitled Local Business Taxes and Business Regulations, in its entirety.

2. It is the intent of the City Commission that the remaining sections of the Code of Ordinances of the City of Eagle Lake may be renumbered, reformatted or re-lettered, as needed, to accomplish the intent of this Ordinance.

3. All ordinances or resolutions in conflict herewith are hereby repealed to the extent necessary to give this Ordinance full force and effect.

4. Should any section, paragraph, clause, sentence, item, word or provision of this Ordinance be declared invalid by a court of competent jurisdiction, such decision shall not affect the validity of this Ordinance as a whole, or any part hereof, not so declared to be invalid.

5. This Ordinance shall take effect immediately upon its adoption by the City Commission of the City of Eagle Lake, Florida.

INTRODUCED on first reading this 8th day of September, 2021.

PASSED on second reading this \_\_\_\_\_ day of \_\_\_\_\_, 2021.

---

CORY COLER  
MAYOR/COMMISSIONER

ATTEST:

---

CITY CLERK DAWN WRIGHT

APPROVED AS TO FORM:

---

CITY ATTORNEY JEFFREY S. DAWSON

ORDINANCE NO.: O-22-01

AN ORDINANCE OF THE CITY COMMISSION OF THE CITY OF EAGLE LAKE, FLORIDA, SUNSETTING THE LIBRARY BOARD ESTABLISHED VIA ARTICLE II, BOARDS, COMMITTEES AND COMMISSIONS, DIVISION III, LIBRARY BOARD, SECTIONS 2-81 THROUGH 2-83; PROVIDING FOR CODIFICATION; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, Article VIII of the State Constitution and Chapter 166 of the Florida Statutes provide that municipalities shall have the government, corporate, and proprietary powers to enable them to conduct municipal government, perform municipal functions, and render municipal services, and exercise any power for municipal purposes, except when expressly prohibited by law; and,

WHEREAS, the City of Eagle Lake established a Library Board to serve the needs of its residents in providing access to library materials maintained for the public benefit; and

WHEREAS, the City of Eagle Lake also established mechanisms for allowing residents to apply for appointment to the Library Board to administer the affairs of said Board under the oversight of the City Commission; and,

WHEREAS, the City has experienced a lack of the required number of participants to serve on the Library Board; thereby, rendering it unable to act; and,

WHEREAS, the City Commission believes it advisable and a prudent use of public funds to dissolve and sunset the Library Board.

NOW THEREFORE, BE IT ORDAINED by the City Commission of the City of Eagle Lake, Florida, as follows:



1. The City Commission of the City of Eagle Lake does hereby dissolve and sunset the Library Board established in Article II, Division III, Sections 2-81 through 2-83 of the Code of Ordinances of the City of Eagle Lake, Florida.

2. Henceforth, all recommendations, requisition requests, management, and other matters relating to the functioning and funding of the City Library shall be made by staff to either the City Manager or City Clerk who shall then transmit said information to the City Commission for determination.

3. It is the intent of the City Commission that the provisions contained herein shall become codified and made part of the Code of Ordinances of the City of Eagle Lake, and the sections cited in this Ordinance may be renumbered, reformatted or re-lettered to accomplish such intention.

4. All ordinances or resolutions in conflict herewith are hereby repealed to the extent necessary to give this Ordinance full force and effect.

5. Should any section, paragraph, clause, sentence, item, word or provision of this Ordinance be declared invalid by a court of competent jurisdiction, such decision shall not affect the validity of this Ordinance as a whole, or any part hereof, not so declared to be invalid.

6. This Ordinance shall take effect immediately upon its adoption by the City Commission of the City of Eagle Lake, Florida.

INTRODUCED on first reading this \_\_\_\_\_ day of \_\_\_\_\_, 2021.

PASSED on second reading this \_\_\_\_\_ day of \_\_\_\_\_, 2021.

---

CORY COLER  
MAYOR/COMMISSIONER

ATTEST:

---

CITY CLERK DAWN WRIGHT

APPROVED AS TO FORM:

---

CITY ATTORNEY JEFFREY S. DAWSON

## BOARD of DIRECTORS

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[www.frwa.net](http://www.frwa.net)

# FLORIDA RURAL WATER ASSOCIATION

2970 WELLINGTON CIRCLE • TALLAHASSEE, FL 32309-7813  
(850) 668-2746

Tom Ernharth  
City Manager Eagle Lake  
75 North 7<sup>th</sup> Street  
Eagle Lake, Florida 33839  
[TErnharth@eaglelake-fla.com](mailto:TErnharth@eaglelake-fla.com)

**Re: Water & Wastewater Asset Management and Fiscal Sustainability  
Plan City of Eagle Lake- Polk County, PWS 6530492**

Mr. Ernharth,

The Florida Rural Water Association (FRWA) is pleased to submit the following Water and Wastewater System Asset Management and Fiscal Sustainability Plan (AMFSP) to Eagle Lake for your use and systematic implementation. The AMFSP is funded and supported by the Florida Department of Environmental Protection, State Revolving Fund (FDEP-SRF) program.

After an extensive review of your utility, the Professionals within FRWA have identified, quantified, and prioritized your water system's most urgent needs. Eagle Lake's *water and wastewater systems represent critical infrastructure for the City*. The identified needs are related to Capital, Operations & Maintenance, and Renewal & Replacement items. We ask that key stakeholders (Mayor, Council, City Manager, Public Works Director, Finance Personnel, and others) carefully review the Preliminary Action List within the Executive Summary of this document. This outlines specific steps we recommend the City implement to achieve program success. It is important that all stakeholders engage in a collaborative effort to achieve program success.

The following report is considered the initial phase of Eagle Lake's ongoing, long-term AMFSP program. An electronic copy is provided for your review and use. If required, FRWA is available to assist Eagle Lake Staff in amending this AMFSP. It is in the Utility's interest to develop a strategic plan which accepts and implements this study to the maximum extent feasible.

Sincerely,

Paul Thompson

FRWA Utility Asset Management

cc: Shanin Speas-Frost, Drinking Water State Revolving Fund  
Garv Williams, FRWA Executive Director

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# City of Eagle Lake Water & Wastewater System Asset Management and Fiscal Sustainability Plan

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Prepared for:

**EAGLE LAKE WATER & WASTEWATER DEPARTMENTS**  
**EAGLE LAKE, FLORIDA**  
PWS 6530492



Prepared by:

**FLORIDA RURAL WATER ASSOCIATION**

Asset Management Program

In partnership with

**Florida Department of Environmental Protection**

&

**Drinking Water State Revolving Fund Program**

**DiamondMaps**  
.com



**RevPlan**

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## Executive Summary

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### 1. AMP Defined

An *Asset Management Plan* (AMP) is the systematic process of maintaining critical assets at the lowest life cycle cost within a predetermined desired level of service (as determined by Utility Staff, Customers, Commissioners, Regulators, etc.). Lowest life cycle cost refers to the best appropriate cost for rehabilitating, repairing or replacing an asset. Asset management is implemented through an ongoing, evolving program which includes a written plan and daily activities by utility staff using dedicated computerized software.

### 2. Benefits of an AMP

Implementing and maintaining an active Asset Management Plan will provide numerous benefits to the Utility and its Customers:

- Prolonging asset life and aiding in rehabilitate/repair/replacement decisions through efficient and focused operations and maintenance.
- Meeting consumer demands with a focus on system sustainability.
- Setting rates based on sound operational and financial planning.
- Budgeting focused on activities critical to sustained performance.
- Meeting service expectations and regulatory requirements.
- Improving response to emergencies.
- Improving security and safety of assets.
- Reducing overall costs for both operations and capital expenditures

### 3. State Revolving Fund Requirement

An active Asset Management Plan (AMP) is a recommended for participation in the State Revolving Fund Program (SRF). Asset Management and Fiscal Sustainability (AMFS) program details are identified in the Florida Administrative Code (FAC) 62-503.700(7).

### 4. AMP Development Stakeholders

The development of this AMP involved the collective efforts of the Florida Department of Environmental Protection, the State Revolving Fund (FDEP-SRF), Florida Rural Water Association (FRWA) personnel, and your utility staff.



## 5. Preliminary Action List

The following table contains a listing of the City of Eagle Lake's Critical Assets and Processes that were found to need Capital and/or Operational funding to operate as designed and within Regulatory Compliance. Detailed descriptions can be found in sections 4 and 8.

CITY OF EAGLE LAKE PRELIMINARY ACTION LIST				
Adoption Date:				
ACTION ITEM	RESPONSIBLE	Anticipated	Target	Actual Completion
	PARTIES	Cost	Date	Date
Pass Resolution supporting AMFS Plan	City Manager, Mayor & Commissioners	No cost	within 60 days of receipt of final FSAMP	
Determine LOS goals, targets, and metrics and prepare LOS Agreement	Customers, City Manager, Public Works Director, Mayor, Commissioners, and Public Works Staff	No cost	60 days after adoption of FSAMP	
Prepare Capital Improvement Program Plan	City Manager, Public Works Director, Commissioners, and Public Works Staff	No cost	60 days after adoption	
Begin using AMFS Tools such as Diamond Maps for Asset Management & CMMS (CMMS is vitally important)	City Manager, Public Works Director, Mayor, Commissioners, and Public Works Staff	\$3,000	3-4 months after adoption	
Engage a Florida Registered Engineer to assist with planning, designing, specifying needed improvements	City Manager, Public Works Director, Mayor, Commissioners	Varies	3-6 months after adoption	
Conduct Rate Sufficiency Study & Adjust as Needed	City Manager, Consultant, Mayor, Commissioners, Public Works Director	Varies	6 months after adoption	
Conduct Energy Audit	City Manager, Public Works Director, Public Works Staff and Consultant	No cost	6-12 months after adoption	
Inspect 33 manholes	Public Works Director, Public Works staff	No cost	6-12 months after adoption	



Replace hydrant valve bonnet and two missing lids	Public Works Director, and Public Works Staff	minimal	6-12 months after adoption	
Inspect 16 hydrants, develop plan to correct issues	Public Works Director, Public Works staff	No cost	6-12 months after adoption	
Begin planning replacement of lift stations #2 and #5.	City Manager, Public Works Director, Public Works Staff and Consultant	Varies	6-12 months after adoption	
Replace 17 distribution isolation wheel valves	City Manager, Public Works Director, and Public Works Staff	\$5,200	6-12 months after adoption	
Replace lift station #6 control panel and disconnect	Public Works Director, Public Works staff	\$7,000	12-18 months after adoption	
Replace Well #1 disconnect and breaker panel, replace well #2 disconnect and control panel	Public Works Director, Public Works staff	\$7,000	6-12 months after adoption	
Plan for additional staffing as needed	Customers, City Manager, Public Works Director, Mayor, Commissioners, and Public Works Staff	no initial cost	6-12 months after adoption	

**NOTE:** Costs in the Preliminary Action List above and the Capex/Opex table that follows are based on numerous factors but are estimates. Actual costs associated with these items will vary based on project scope, materials and equipment chosen, labor costs, etc. Additionally, these numbers may differ from those listed in RevPlan due to RevPlan being much more in depth.



## 6. Capex/Opex Table

The following table gives a cursory overview of capital expense projects (Capex) and also operational expense projects (Opex) based on our recommendations as well as those provided by Eagle Lake. The year of projected financial impact is based on best available information, urgency of project, and Eagle Lake supplied data. NOTE: The increase in debt service in year 2023 (CAPEX line 2) is essentially a placeholder for Green Acres WTP improvements. True costs will vary depending on actual loan amount and grant percentage. The year these costs occur is also uncertain. 2023 was chosen as a likely timeline.

City of Eagle Lake Proposed Improvements & Associated Projects									
Item No.	Major Asset	Recommended Action (in excess of current O&M, R&R)	Years Until Action	Five Year Cost (\$)	Projected CAPEX & OPEX Expenses by Year				
CAPEX					2021	2022	2023	2024	2025
1	<b>Water Facilities</b>	Green Acres Planning	1	\$5,435	\$1,087	\$1,087	\$1,087	\$1,087	\$1,087
2	<b>Water Facilities</b>	Green Acres Improvements (\$3,267,520 - 80% grant, finance \$653,504/20 years)	3	\$81,688			\$16,338	\$32,675	\$32,675
3	<b>Lift Stations</b>	Replace Lift Stations #2 and #5 (\$500,000 - 80% grant, finance \$100,000/20 years)	3	\$15,000			\$5,000	\$5,000	\$5,000
4			2	\$0					
5			2	\$0					
6			2	\$0					
7			4	\$0					
8			4	\$0					
OPEX					2021	2022	2023	2024	2025
1	<b>All Assets</b>	Begin CMMS Program (example: Diamond Maps and equipment, annual subscription)	1	\$7,000	\$3,000	\$1,000	\$1,000	\$1,000	\$1,000
2	<b>Distribution System</b>	Implement Valve Exercise Program	1	\$0	\$0	\$0	\$0	\$0	\$0
3	<b>Distribution system</b>	Implement Hydrant Inspection Program	1	\$0					
4	<b>Collection System</b>	Implement Manhole Inspection Program	1	\$0	\$0	\$0	\$0	\$0	\$0
<b>Totals</b>				<b>\$109,123</b>	<b>\$6,108</b>	<b>\$4,109</b>	<b>\$25,448</b>	<b>\$41,786</b>	<b>\$41,787</b>



## 7. RevPlan Tables

RevPlan is a financial modelling tool that utilizes asset data, financial information, rates, etc. to help utilities with financial planning. FRWA staff completed a financial sustainability study through Revplan. Complete details of Revplan can be found in Section 7.4. A final AMP workshop RevPlan will be turned over to the system at no cost and Login credentials will be generated. System will then be able to access all Rate Study Models by going to <https://frwa.revplan.net/Overview>.

Using the projected revenue/expenses, it was determined that the following rate adjustments would place the City of Eagle Lake on firm financial footing as seen in the proceeding charts.

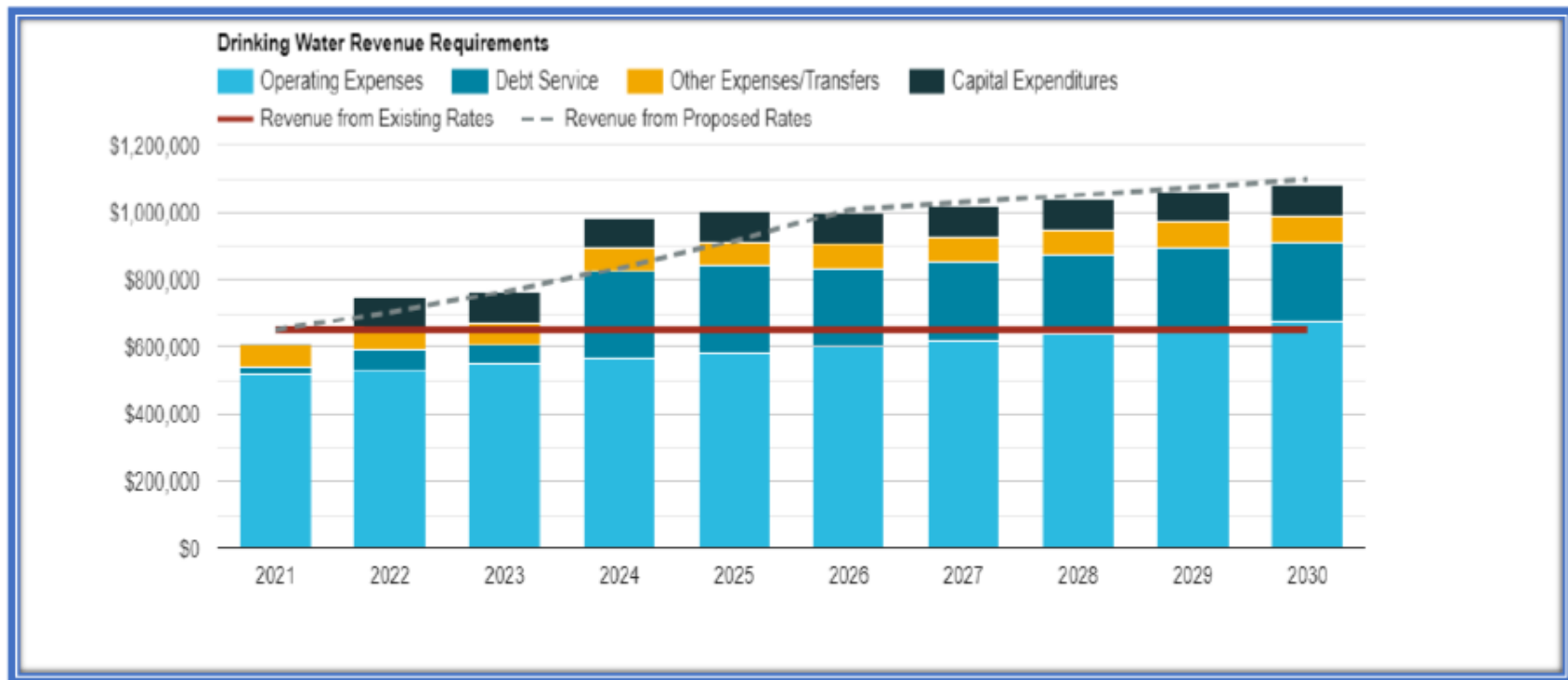
The two scenarios that follow were created in RevPlan and depict Full Loan and 50% Grant. Additional RevPlan info can be found in Sections 7.4 and 9.6. It is important to note that grant percentages as well as actual loan amount are uncertain at this time.



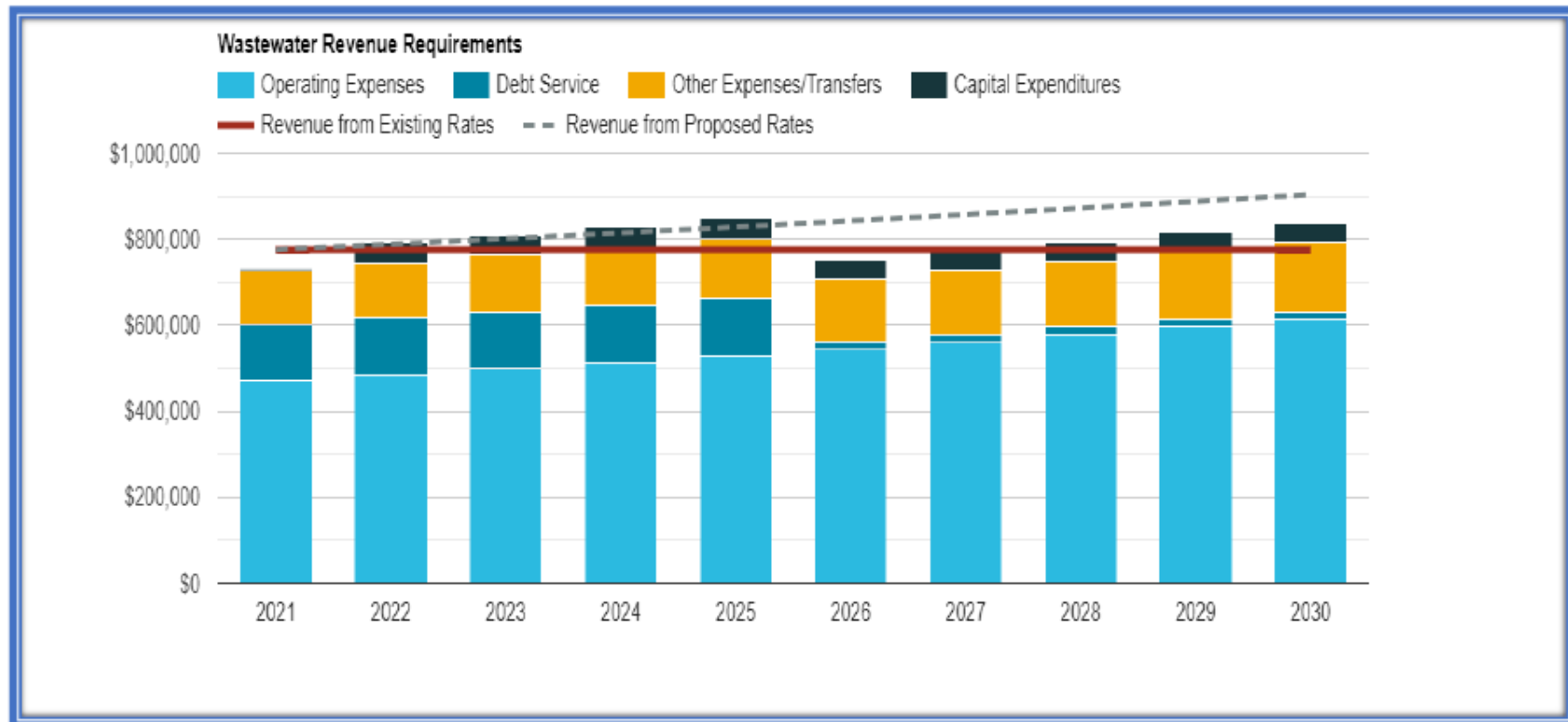
### Scenario 1 Full Loan

For this scenario, proposed water rates are increased 15% in years two thru six and 3% in years seven thru ten. Proposed wastewater rates are at 3% beginning in year two thru year ten.

Eagle Lake, City of  
 Scenario 1 Eagle Lake DW&WW FY21 (Full Loan)  
 Fiscal Year: 2021  
 Adjustments & Graphs Pg 2  
 Drinking Water Revenue Requirements



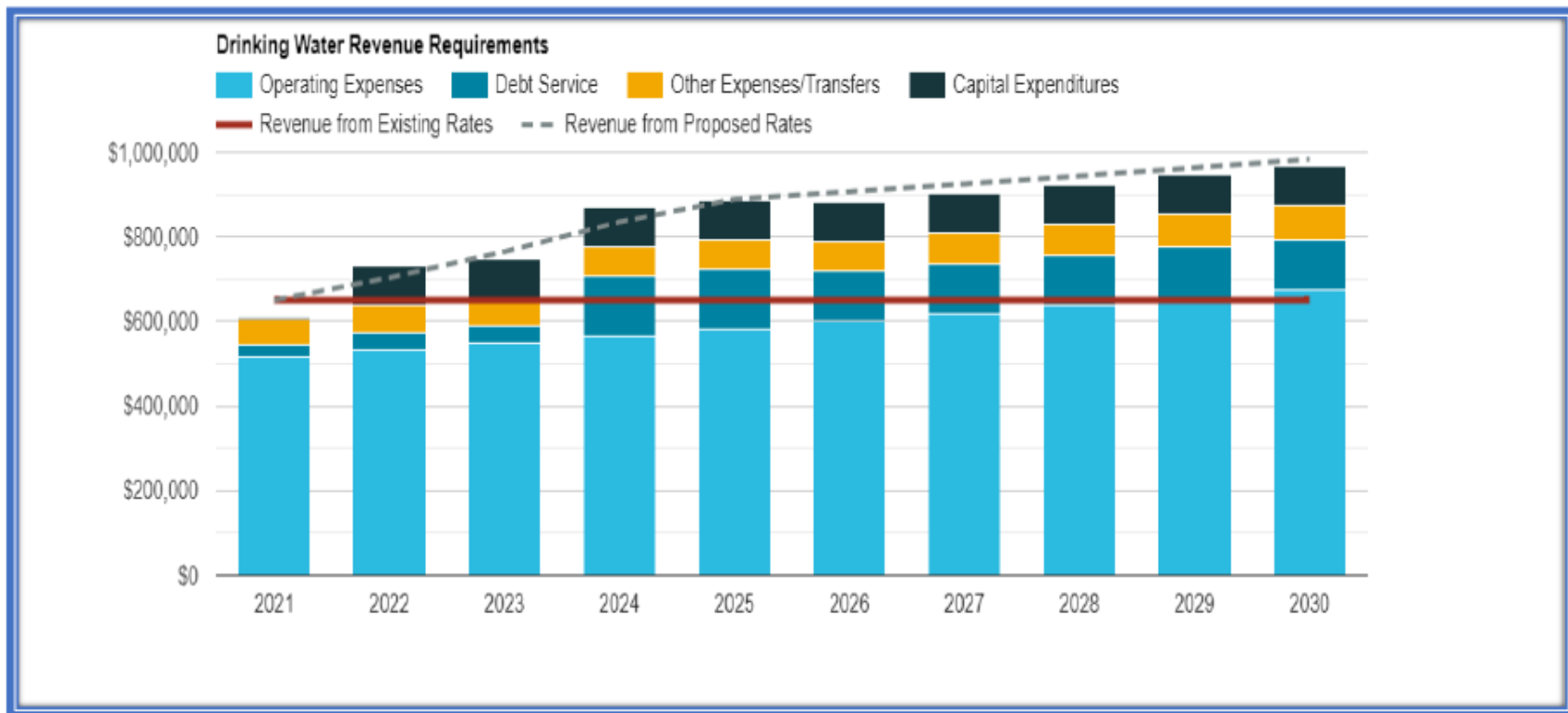
Eagle Lake, City of  
 Scenario 1 Eagle Lake DW&WW FY21 (Full Loan)  
 Fiscal Year: 2021  
 Adjustments & Graphs Pg 3  
 Wastewater Revenue Requirements



## Scenario 2 50% Grant

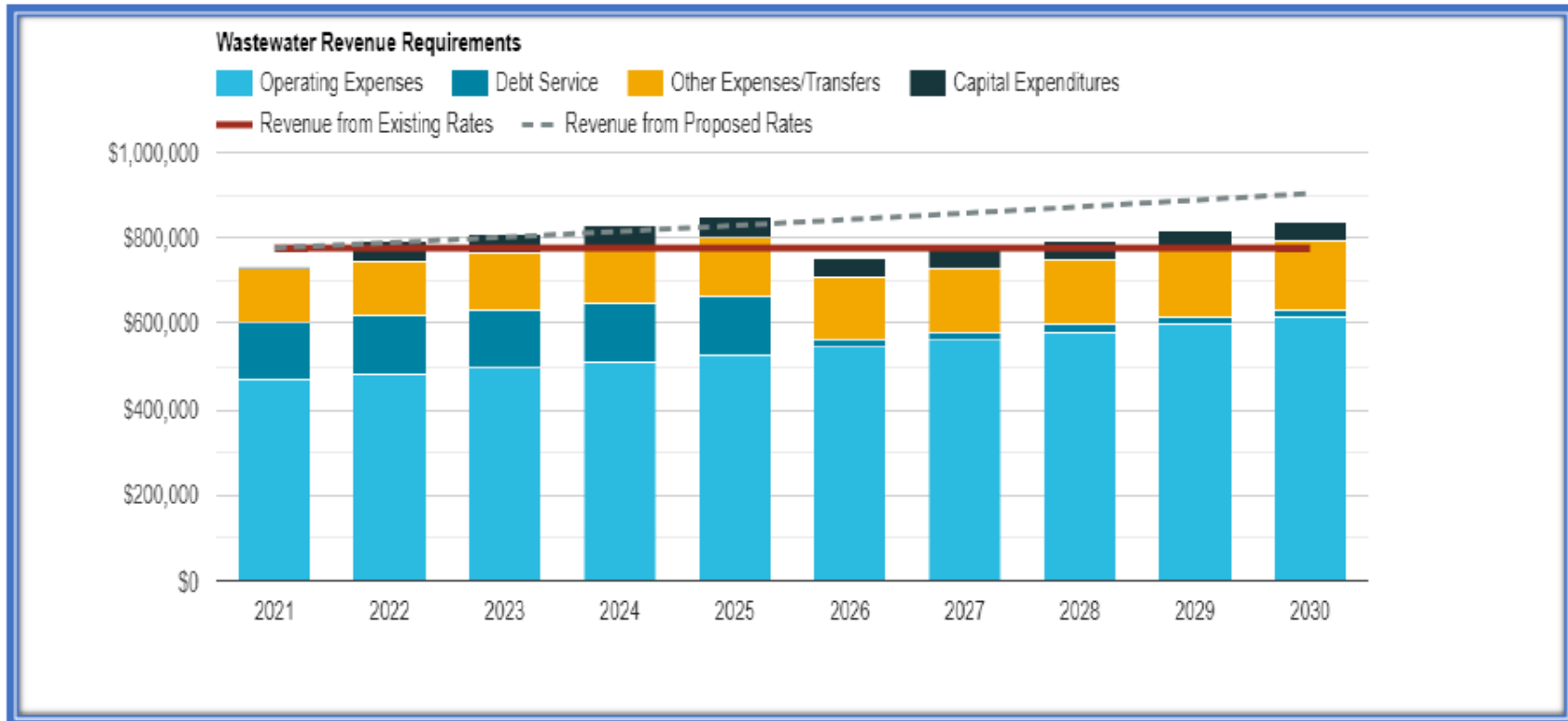
For this scenario, proposed water rates are increased 15% in years two thru four, 10% in year five, and 3% in years six thru ten. Proposed wastewater rates remain at a 3% increase in years two thru ten.

Eagle Lake, City of  
 Scenario 2 Eagle Lake DW&WW FY21 (50% SRF)  
 Fiscal Year: 2021  
 Adjustments & Graphs Pg 2  
 Water Revenue Requirements





Eagle Lake, City of  
 Scenario 2 Eagle Lake DW&WW FY21 (50% SRF)  
 Fiscal Year: 2021  
 Adjustments & Graphs Pg 3  
 Wastewater Revenue Requirements



## 8. Fiscal Strategy and AMP Process Recommendations.

Based on this asset management and fiscal sustainability study, specific recommended action items related to Capital Expenditures (CAPEX) and Operating Expenditures (OPEX) and over the next five years are as follows:

1. Adopt this Asset Management and Fiscal Sustainability (AMFS) study in the form of a Resolution (see *Appendix A* for an example AMFS Resolution)
2. Engage a Florida Registered Engineer to support the Utility in review, funding, planning, design, permitting, and construction of critical CAPEX and OPEX as recommended in this AMFS study.
3. Make funding applications as needed to the following programs/agencies in support of Utility System Upgrades/Improvements as recommended by this AMFS study (a synopsis of these and other water and wastewater utility funding programs can be found at these sites:

<http://www.frwa.net/funding.html>

<http://efcnetwork.org/wp-content/uploads/2017/05/FL-Water-Wastewater-Funds-2017.pdf>.

Also, explore these resources for potential funding:

- a. FDEP-State Revolving Fund
- b. Water Management District
- c. Community Development Block Grant
- d. Community Budget Issues Request
4. Evaluate and Adopt a Utility rate structure that will ensure rate sufficiency as necessary to implement capital improvements.
5. Begin Asset Management Planning (AMP) and begin a maintenance program utilizing a Computerized Maintenance Management System (CMMS) or similar method.
6. Continue to build your asset management program by:
  - a. Collecting critical field data and attributes on any remaining assets not included in this report
  - b. Improving on processes which provide cost savings and improved service
  - c. Implementing a checklist of routine maintenance measures
  - d. Benchmarking critical processes, annually
  - e. Develop policies that will support funding improvements
  - f. Develop manuals and guidelines for critical processes
  - g. Identify responsible persons or groups to implement critical assets and processes
  - h. Hold asset management training for staff annually.



# 1 Introduction

---

In accordance with FDEP Rule 62-503.700(7), F.A.C., State Revolving Fund (SRF) recipients are encouraged to implement an asset management plan to promote utility system long-term sustainability. Additionally, to be accepted for the ***financing rate adjustment and to be eligible for reimbursement***, an asset management plan must:

- A. Be adopted by ordinance or resolution;
- B. Have written procedures in place to implement the plan;
- C. Be implemented in a timely manner.

The plan must include each of the following:

- 1. Identification of all assets within the project sponsor's (utility) system;
- 2. An evaluation of utility system assets' current:
  - a. Age
  - b. Condition and
  - c. Anticipated useful life of each asset;
- 3. Current value of utility system assets;
- 4. Operation and maintenance cost of all utility system assets;
- 5. A Capital Improvement Program Plan (CIPP) based on a survey of industry standards, life expectancy, life cycle analysis and remaining useful life;
- 6. An analysis of funding needs;
- 7. The establishment of an adequate funding rate structure;
- 8. An asset preservation plan:
  - a. Renewal
  - b. Replacement
  - c. Repair of asset as necessary and
  - d. A risk-benefit analysis to determine optimum renewal or replacement timing;
- 9. An analysis of population growth and water treatment demand projections for the utility's planning area and an impact fee model, if applicable, for commercial, industrial and residential rate structures and;
- 10. A threshold rate set to ensure proper water system operation and maintenance; if the potential exists for the project sponsor to transfer *any* of the system proceeds to other funds, rates must be set higher than the threshold rate to facilitate the transfer and maintain proper operation of the system.

Fiscal Sustainability represents the accounting and financial planning process needed for proper management of WS assets. It assists in determining such things as:

- a. Asset maintenance, repair, or replacement cost
- b. Accurate and timely capital improvement project budgeting



- c. Forecasting near and long-term capital improvement needs
- d. Whether the WS is equipped for projected growth
- e. Adequate reserves exist to address emergency operations.

Fiscal sustainability analysis requires a thorough understanding of the WS's assets' current condition and needs. Therefore, fiscal sustainability follows asset management and is improved by sound asset management. Conversely, asset management requires a healthy fiscal outlook, because servicing and care of current assets is not free. Timely expenditures for proper servicing and care of current assets are relatively small when compared to repair and replacement expenditures that inevitably occur with component failure due to neglect.

Having a solid AMFSP in place will also benefit Eagle Lake in determining which assets are to be insured and for what amount. *Additionally, the Drinking Water State Revolving Fund (DWSRF) recommends a WS adopt and implement an AMFSP to qualify for loan interest rate reduction.* An AMFSP helps a system more effectively and efficiently identify its capital improvement needs and solutions.

The AMFSP's intended approach is to assist the WS with conducting a basic inventory and condition assessment of its current assets. It is expected the WS will periodically re-evaluate the condition of its assets (suggested at least annually) to determine asset remaining useful life. A reminder/tickler can be established to remind staff that a given component is nearing time for servicing, repair, or replacement. Furthermore, major capital improvement needs can be reassessed periodically as they are met or resolved. In short, this plan is not designed to be set in stone, but is intended to be a living, dynamic, evolving document. It is prudent for annual review and revision as necessary, resulting in a practical and useful tool for Eagle Lake Staff.

Data collection and inspections were performed using Diamond Maps, our tool of choice for this purpose as well as CMMS and work order creation.



## 2 Asset Management Plan

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### 2.1 Asset Management Defined

**Asset Management** can be described as *‘a process for maintaining a desired level of customer service at the best appropriate cost’*. Within that statement, *‘a desired level of service’* is simply what the utility wants their assets to provide. *‘Best appropriate cost’* is the lowest cost for an asset throughout its life. The goal is providing safe, reliable service while at the same time being conscious of the costs involved both short and long term. In layman’s terms, if you take care of your assets they will last longer and save you money.

Asset Management includes building an inventory of the utility’s assets followed by developing and implementing a program that schedules and tracks all maintenance tasks (generally through work orders). Next, you must develop a set of financial controls that will help manage budgeted and actual expenses and revenue. By performing these tasks, targeting the system’s future needs will be much easier.

Asset Management will give the utility documentation that aids in understanding what assets they have, how long these assets will last, and how much it will cost to maintain or replace these assets. It also provides financial projections which show the utility if rates and other revenue mechanisms are sufficient to supply the utility’s needs for the future, 5, 10, even 20 years ahead.

Asset Management is made up of five core questions. They are:

1. What is the current status and condition of the utility’s assets? (What assets do I have, where are they, and what is their condition?)
2. What Level of Service is required? (How do I want the utility to operate?)
3. What assets are considered critical to meeting the required Level of Service?
4. What are the utility’s Capital Improvement Program Plan (CIPP), Operations and Maintenance plan (O&M), and asset’s Minimum Life Cycle Cost strategies? (What is our plan to maintain and eventually replace our assets when needed?)
5. What is the utility’s long term financial strategy? (How will we pay for all this?)



## 2.2 Why is Asset Management so Important?

There are many benefits when an Asset Management Plan is adopted and adhered to. These include:

- Your assets will last longer
- You can make operational decisions regarding maintaining and replacing your assets
- Your customers will have better service
- You can plan and pay for future repairs and replacements with confidence
- You'll know where your assets are
- You'll better understand which assets are critical to the utility and which are not
- Your utility will operate more efficiently
- You can be set rates based on sound information
- You can plan capital improvement projects that meet the true needs of the system
- You'll improve your response to emergencies

## 2.3 Implementation

### Asset Management and Work Order Software (Required):

Asset Management (AM) and Work Order (WO) development requires dedicated software to manage the ongoing program. Without dedicated software, Utility Staff will be unable to access any infrastructure attribute data and maintenance management activities, hence rendering the entire AM and WO process unusable. The Utility may use an AMP and WO software of their choice. Florida Rural Water Association (FRWA) utilizes Diamond Maps, a cloud based geographical information system (GIS), to collect data within your system. FRWA, in partnership with FDEP has contracted with Diamond Maps to develop Asset Management software specifically for small systems at an affordable cost. Continuing with Diamond Maps will cost \$19 per month for a single license, or as many licenses as necessary at the rates listed in the following table.

Meter Count	Unlimited Use Subscription
250	\$15/month
500	\$20/month
1,000	\$30/month
2,000	\$45/month
3,000	\$60/month
4,000	\$75/month
5,000	\$90/month
10,000	\$165/month



Should a Utility choose to use an alternate software, integration of the attributes collected and populated by FRWA Staff, within Diamond Maps, may require an integrator/developer to transfer the data.

In addition to the CMMS tool, Diamond Maps, the Florida Rural Water Association (FRWA) has partnered with the Florida Department of Environmental Protection (FDEP) State Revolving Loan (SRF) program and Raftelis Financial Consultants to create an online financial tracking and revenue sufficiency modeling tool, RevPlan.

RevPlan is designed to enhance asset and financial management for small/medium Florida water and wastewater utilities. It provides a free-to-member online tool to achieve financial resiliency, and to maintain utility assets for long-term sustainability. Additionally, RevPlan is programmed to populate asset information directly from Diamond Maps, but can also be manually populated should you choose not to use Diamond Maps.

By inputting your accurate budgetary, operation and maintenance costs, capital improvement plan costs, existing asset and Revenue information, this tool assists the user in identifying any rate adjustments and/or external funding necessary to meet the utility finance requirements, and the impact rate increases/borrowing may have on customers.

There are a few important elements of a successful RevPlan outcome:

- The tool is only as accurate as the information entered.
- One to two people should be assigned the task of annual RevPlan updates.
- Updating asset information in Diamond Maps & RevPlan is essential.

FRWA staff has entered a preliminary model into Revplan to help the utility get started. The assets collected along with financial information provided by the system were entered to create the model. Each year (or as projects come about) the system is encouraged to update Revplan and use it to help understand the impacts of future projects and rate increases. Details from the model are located in the financial section of the plan.

## 2.4 Level of Service (LOS)

As a provider of water and/or wastewater service, a utility must decide what Level of Service (LOS) is required for its customers.

There are four key elements regarding LOS:

- I. Provide safe and reliable water/wastewater service while meeting regulatory requirements.
- II. Budgeting improvement projects that are focused on assets critical to sustained performance and based on sound operational and financial planning.



- III. Maintain realistic rates and adjust as necessary to ensure adequate revenue reserves for targeted asset improvement.
- IV. Ensure long-term water system resilience and sustainability.

Setting targets for individual parameters and metrics will help the utility direct their efforts and resources towards a previously agreed on goal. Though not required, these goals can be set in an agreement between the utility and its customers appropriately called a 'Level of Service Agreement'.

The goals that are established take into account costs, budgets, rates, service levels, and level of risk.

Guidelines for setting these goals include:

- Make the goals specific and well defined. It should be clear to anyone with even a basic knowledge of the utility.
- Make the goals measurable. You have to know if you are successful or not and must be able to see where completion lies ahead. You must also be able to determine when success is achieved.
- The goals must be attainable. Setting a goal to have no water outages whatsoever is great but unrealistic. A better choice would be to set a goal that no outage would exceed six hours, for example.
- The goals must be realistic. The staff and resources of the utility must be considered when setting goals. Available personnel, equipment, materials, funds, and time play a huge part in setting realistic targets.
- The goals must be time based. Adequate time must be included to meet the target. However, too much time can lead to apathy and affect the utility's performance.

The idea is to set goals and meet them. They should not be terribly easy. Effort should be involved. They should also include areas that have been lacking and a need exists. If the bar is set too low, the process is pointless.

The following are sample Level of Service goals for Eagle Lake. Each plays a role in improving the performance of the utility and is beneficial to both the utility and the utility's customers.





Eagle Lake Level of Service Goals			
Attribute & Service Area	Goal	Performance Target	Timeframe/Reporting
Quality of Service	Reduce response time for leaks and trouble calls	Provide staff with training necessary to improve efficiency in handling these situations	Monthly meetings, annual overview
System Operational Stability	Improve system wide preventive maintenance	Develop a comprehensive Preventive Maintenance Plan for all assets	Monthly reports to City Manager
Quality of Service, Responsible Stewardship	Develop and asset replacement strategy	Develop an asset replacement strategy to be updated at least annually, including financing options	Monthly reports to City Manager
Quality of Service, Responsible Stewardship	Assure that the utility is financially self-sustaining	Perform an annual utilities rate analysis and make any needed rate adjustments	Annual report to City Manager, Mayor, and Commissioners
System Financial Stability	Implement automatic inflationary rate adjustments	Annual evaluation of the adequacy of inflationary rate adjustments	Annual report to City Manager, Mayor, and Commissioners
System Financial Stability, Quality of Service, Responsible Stewardship	Minimize Life of Asset Ownership costs	Regular evaluation of unexpected equipment repairs, compare to the Preventive Maintenance Schedule and adjust as needed	Annual report to City Manager, Mayor, and Commissioners

## 2.5 Best Management Practices (BMP)

Utility owners, managers, and operators are expected to be good stewards of the system. Every decision must be based on sound judgment. Using Best Management Practices (BMP) is an excellent tool and philosophy to implement. BMP can be described as *utilizing methods or techniques found to be the most effective and practical means in achieving an objective while making optimum use of the utility's resources.*



The purpose of an Asset Management Plan (AMP) is to help the utility operate and maintain their system in the most effective and financially sound manner. An AMP is a living document and is not intended to sit on a shelf. It must be maintained, updated, and modified as conditions and situations change. Experience will help the utility fine tune the plan through the years.

## 3 System Description

### 3.1 Overview

The City of Eagle Lake is located in Polk County Florida. It is approximately 10 miles southeast of Lakeland. Eagle Lake provides water service for residential and commercial customers.

The system includes:

1,578 Water and 1,183 wastewater customer connections

Water facilities and water distribution piping

Fire hydrants

Distribution isolation valves

Wastewater lift stations and collection system piping

Manholes

### 3.2 Staffing

Eagle Lake's government is comprised of the Mayor and four Commissioners.

They are:

Corey Coler	Mayor
Suzy Wilson	Vice Mayor
Randy Billings	Commissioner
Steven Metosh	Commissioner
Daryl Scott Clark	Commissioner

Eagle Lake's administrative staff includes:

Tom Ernharth	City Manager
Dawn Wright	City Clerk
Brian Fletcher	Public Works Director



Jody Mcleod	Accounts Payable
Patti Richardson	Permits and Building
Samantha Ethridge	Utility Department

Eagle Lake's water and wastewater systems are under the direction of Brian Fletcher, Public Works Director. Brian and his staff perform the day-to-day tasks to operate and maintain the plants and distribution system. These individuals, along with Eagle Lake's administrative staff, effectively become the "the asset management team." The City Manager and Public Works Director are tasked with asset management planning responsibilities. The team is also responsible for preparing, implementing, and updating this plan.

To the extent that staff such as the Mayor, Commissioners, City Manager, and others are involved with this or other projects, the asset management team is responsible for coordinating such involvement in the AMFSP adoption, as well as ongoing development and implementation.

## 4 Current Asset Conditions

### 4.1 Assets Critical to Sustained Performance

Every water and wastewater system is made up of assets. Some you can see, some you can't. These are the physical items such as valves, pipes, tanks, motors, manholes, buildings, etc. Each is important in its own way and serves a function to make the system operate as it should.

One trait common to all assets is that they lose value over time. With age comes deterioration. With deterioration comes a lessened ability to provide the appropriate level and type of service to the utility's customers. Another trait common to assets is that they must be maintained. Maintenance costs increase as these assets age. Operation costs can rise with age as equipment becomes worn and less efficient. Increased equipment failure can lead to issues such as customer problems and negative environmental impacts. At some point, it is wise to replace components rather than continue with ever more frequent and costly repairs. Managing these assets properly helps a utility make better decisions regarding their system's many parts.

Another unfortunate fact is that all assets will fail if not properly maintained. How the utility manages the consequences of these failures is vital. Not every asset presents the same failure risk. Not every asset is equally critical to the performance of the utility. For example, a fence surrounding a well site or lift station, though important, is not as vital or 'critical' to the utility as a well pump or lift station pump.

Factors that contribute to asset failure are numerous and include age, environment (weather, corrosive environments), excessive use, improper maintenance, etc.



Replacement versus rehabilitation is always a consideration. What is best for the utility? What is best for the customer? The proper decision must be made based on information gleaned from all available resources.

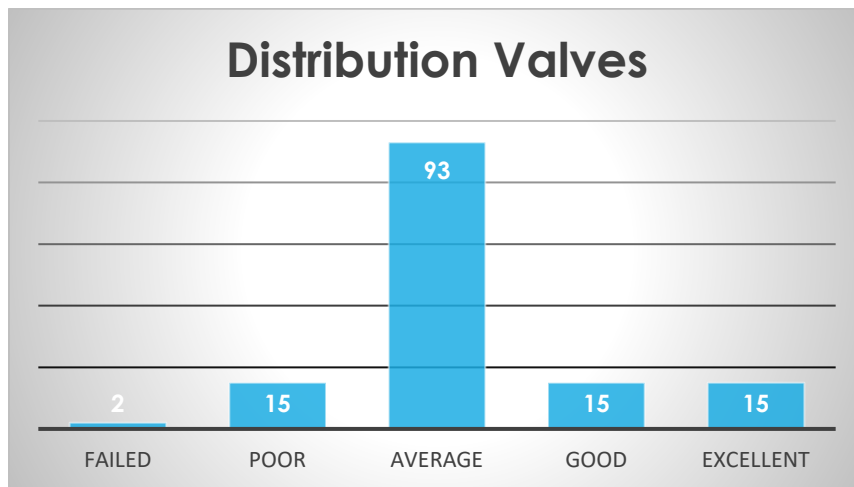
Implementing CMMS at this stage will ensure the City's assets last longer, perform better, and provide more reliable service.

Maintenance schedules can be created following both manufacturer's recommendations as well as those of industry professionals. Work orders can be created and scheduled to make sure the work is assigned and completed. FRWA staff can assist Eagle Lake in creating these lists.

## 4.2 Current Needs

### 4.21 Distribution Isolation Valves

140 distribution isolation valves were included in our data collection efforts. 2 have failed and 15 were in poor condition. These are listed in the following table. Their replacement is warranted. It is also recommended that staff inspect any remaining valves to fully verify the condition of those assets.

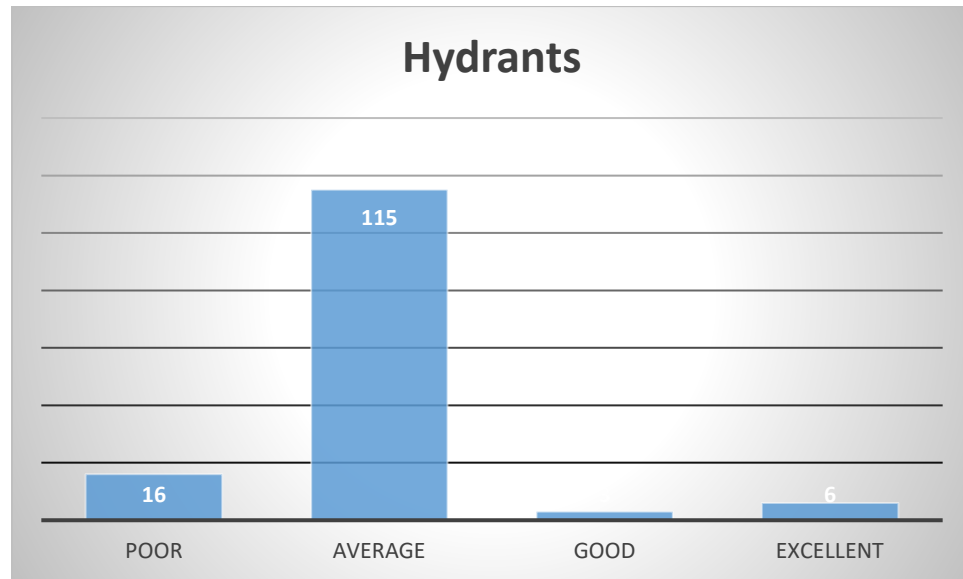


Asset Name	Valve Type	DIAMETER	Replacement Cost	Design Life	Condition
N Eagle Drive & Gilbert St E	Gate-Wheel	2	400	25	Failed
Cooley Rd & W Assembly St	Gate-Wheel	2	400	25	Failed
W McLeod Ave A	Gate-Wheel	2	400	25	poor
W McLeod Ave B	Gate-Wheel	2	400	25	poor
W McLeod Ave C	Gate-Wheel	2	1900	25	poor
Lake Ave A	Gate-Wheel	2	400	25	poor
W Central Ave mid	Gate-Wheel	2	400	25	poor
W Eagle Ave Mid A	Gate-Wheel	2	400	25	poor
W Eagle Ave mid B	Gate-Wheel	2	400	25	poor
N Eagle Drive & Gilbert St W	Gate-Wheel	2	400	25	poor
Old 9 Foot Rd & W Assembly St N	Gate-Wheel	4	800	25	poor
N 8th and E Eagle 2" 01	Gate-Wheel	2	400	25	poor
N 8th and E Eagle 2" 02	Gate-Wheel	2	400	25	poor
N 7th St and N 8th	Gate-Wheel	2	400	25	poor
S 7th and E Central	Gate-Wheel	4	800	25	poor
S 7th and E Central east 2	Gate-Wheel	4	800	25	poor
1245 E Eagle 02	Gate-Wheel	2	400	25	poor



#### 4.22 Hydrants

142 fire hydrants were included in our data collection efforts. 16 were found to be in poor condition. These are listed in the following table along with comments. It is recommended that staff inspect any remaining hydrants to verify the condition of these assets.

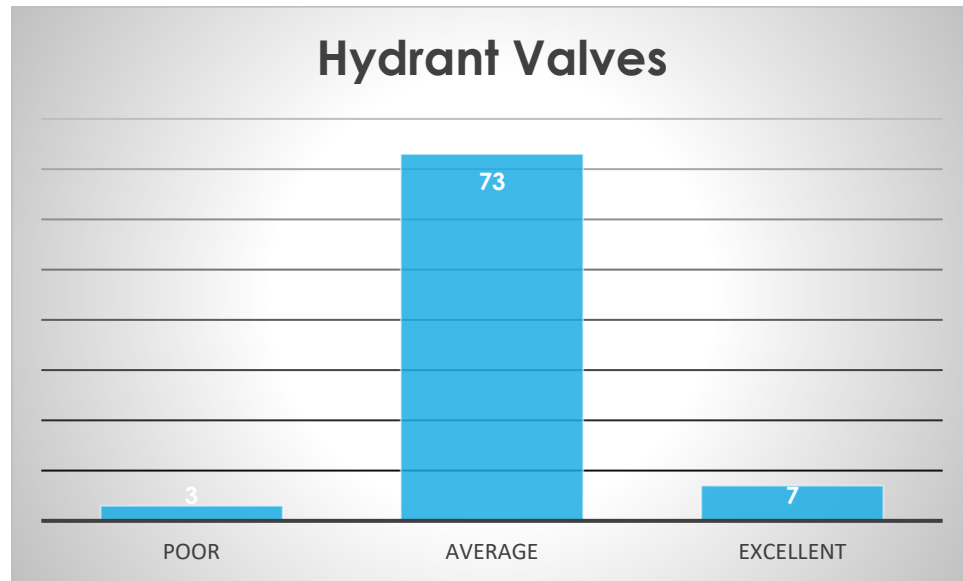


Asset Name	Condition	Condition Comment	Replacement Cost	Install Year	Manufacturer
E. Eagle Ave & N. 10th St.	Poor	Does not meet 18" clearance requirement	3,500	unknown	Mueller Company
1055 N. 11th St.	Poor	Does not meet 18" clearance requirement	3,500	1975	M&H Valve / Dresser
283 Pine St.	Poor	Old, deteriorated	3,500	1985	Kennedy Valve
105 Cypress St.	Poor	Old. Looks rough. Painting may be all that's needed but unsure.	3,500	1985	Kennedy Valve
625 Gerber Dairy Rd.	Poor	Old, looks rough	3,500	unknown	Kennedy Valve
N. 3rd St. & W. Gilbert St.	Poor	Leaning badly. Old.	3,500	unknown	Unknown
779 N. 3rd St.	Poor	Does not meet 18" clearance requirement	3,500	unknown	Mueller Company
S. 3rd St. & W. McLeod Ave	Poor	Significant lean forward and to right	3,500	unknown	Dresser
Across from 610 S. Lakeside Terrace	Poor	Does not meet 18" clearance requirement	3,500	unknown	Mueller Company
430 S. Tangerine Ct.	Poor	Does not meet 18" clearance requirement	3,500	unknown	Mueller Company
S. Bingham's St. & S. Shore Dr.	Poor	Does not meet 18" clearance requirement	3,500	unknown	Mueller Company
485 S. Terrace Dr.	Poor	Does not meet 18" clearance requirement	3,500	unknown	Mueller Company
Madera Dr. & Cedro Court	Poor	Heavy vegetation surrounding hydrant	3,500	1988	Kennedy Valve
Bomber Rd. Catholic Church Gerber entrance	Poor	Old, deteriorated, missing one cap	3,500	1988	Mueller Company
189 Vista View Ave.	Poor	Significant corrosion and rust	3,500	2003	US Pipe
17 S & McLeod Ave	Poor	Missing cap	3,500	1989	Mueller Company



#### 4.23 Hydrant Valves

83 fire hydrant valves were included in our data collection efforts. 3 were found to be in poor. These are listed in the following table along with comments. It is recommended that staff inspect any remaining hydrant valves to verify the condition of these assets.



Asset Name	Condition	Condition Comment	Replacement Cost	Install Year
Gerber Dairy Rd @ Cuthone Rd.	Poor	Bonnet askew. Needs to be repositioned	1,200	2013
313 Pine St.	Poor	Lid gone, tube filled with dirt	1,200	1985
279 Eagle Lake	Poor	New but lid missing	1,200	2020





#### 4.24 Water Plants

Two facilities provide water for Eagle Lake customers.

##### Eagle Lake WTF

The main plant is located on South 3<sup>rd</sup> Street between Lake Avenue and West Central Avenue. This site contains a plant building, elevated storage tank, ground storage tank with aerator, two high service pumps, electrical controls, chlorination equipment, and auxiliary power. Two off site wells supply water. The first is immediately behind the facility. The second is behind the facility across South 2<sup>nd</sup> Street.

Items of concern are listed below:

Asset Name	Elec Equip Type	Replace Cost	Condition	Condition Comment
Well 2 panel	Panel - Control	5,000	Poor	Very old
Well 2 disconnect	Disconnect Switch	500	Poor	Very old
Well 1 disconnect switch	Disconnect Switch	500	Poor	Old, service rust
Well 1 breaker panel	Panel - Power Distribution	500	Poor	Door missing, old

Asset Name	MANUFACTURER	Install Year	Replacement Cost	Condition	Condition Comment
Well 1 motor	US Motors	Unknown	8,000	Poor	Old

Asset Name	Pump Type	MANUFACTURER	Install Year	Replacement Cost	Condition
Well 1 pump	Vertical Turbine	Goulds	Unknown	8,000	Poor



### Green Acres WTF

Green Acres is located a little over two miles to the southeast of Eagle Lake north of Varnadoe Road. This site contains a building, two wells, pumping equipment (submersible and vertical turbine), one hydro-pneumatic tank, electrical equipment, chlorination equipment, and an auxiliary drive unit for the vertical turbine well pump.

This site is in the beginning processes of being substantially renovated. This work should include a new ground storage tank, new high service pumps, new operations building, new piping, new chlorination system, and various other site improvements. In light of this information, any assets at this site should be maintained as best as possible to minimize unnecessary expenditures. Of course, should the need arise, items may need to be replaced. It is recommended that all equipment at Green Acres WTF be given extra attention to prolong their operation as long as possible.

Items of concern identified during data collection are listed in the following tables:

Asset Name	Elec Equip Type	Replace Cost	Condition	Condition Comment
Green Acres control panel	Panel - Control	10,000	Poor	Old, corrosion evident
Green Acres breaker panel	Panel - Power Distribution	500	Poor	Old

Equip or Tool Type	Asset Name	Install Year	Replace Cost	Condition
SCBA	Green Acres SCBA	Unknown	3,000	Poor
Other Tools	Green Acres PPE	Unknown	300	Poor
Other Heavy Equipment	Green Acres well 1 auxiliary drive	Unknown	5,000	Poor

### **4.25 Wastewater Lift Stations**

Eagle Lake has no wastewater treatment facility. Their collection system (piping, manholes and lift stations) transports wastewater to the City of Bartow for treatment.

11 lift stations were assessed during data collection. Items of concern are listed in the following tables:



Note: Assets contained in Lift Stations #2 and #5 are not included in these tables. These two stations are underground style lift stations. To safely enter these stations, confined space procedures must be followed to safeguard employees. Review OSHA document 'Permit Required Confined Spaces' at this link for additional information:

<https://www.osha.gov/sites/default/files/publications/osh3138.pdf>

Full replacement of these stations is strongly recommended.

Asset Name	Elec Equip Type	Install Year	Replace Cost	Condition	Condition Comment
Lift station 6 main disconnect	Disconnect Switch	Unknown	500	Poor	Very old, deteriorated
Lift station 6 control panel	Panel - Control	Unknown	3,000	Poor	Old, deteriorated

#### 4.26 Manholes

82 manholes were included in our data collection process. The following table lists issues that were observed. Essentially, this work is investigative to determine if problems exist. It is recommended Eagle Lake staff complete these tasks when possible.

Asset Name	Install Year	Cover Type	Cover Condition	Replace Cost	Design Life	Condition	Condition Comment
Gerber Dairy at Galloway	Unknown	Standard	Normal	4,000	50	Average	Debris on bench. Likely due to service lateral entering high to southwest. Manhole is at high point on no flow to wash home debris thru.
114 Grove Branch	2005	Standard	Sealed Shut	3,500	50	Unknown	Could not remove lid
123 Lake McLeod Dr.	2006	Standard	Sealed Shut	3,500	50	Unknown	Could not remove lid
210 Grove Branch	2005	Standard	Paved Over	3,500	50	Unknown	Asphalt sealing lid. Cannot remove
180 Grove Branch	2005	Standard	Paved Over	3,500	50	Unknown	Asphalt sealing lid. Cannot remove
132 Grove Branch	2005	Standard	Paved Over	3,500	50	Unknown	Asphalt sealing lid. Cannot remove
470 Squires Grove	2005	Standard	Normal	3,500	50	Unknown	Car parked on lid. Could not assess
504 Honey Bell	2005	Standard	Normal	3,500	50	Unknown	Could not remove lid



## City of Eagle Lake Asset Management Plan

227 Fall Glo	2005	Standard	Normal	3,500	50	Unknown	Could not remove lid
1210 N 12th St.	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
1130 N 12th St.	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
1015 N 12th St.	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
1115 N 11th St.	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
1010 N 115h St.	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
910 N 11th St.	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
N 10th and E Pearce	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
955 N 10th St.	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
N 10th and E Bay Ave.	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
10th St N of bend	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
Thomas Fish Company	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
651 N 10th St.	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
N 10th St. South of E 5th Ave	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
555 N 10th St.	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
515 N 10th St	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
S 7th St. and Central Ave	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
S 7th St. and E Lake Ave	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
S 7th St and E McLeod Ave	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
S 7th St and E Brookins Ave	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
S 7th St and E Laurel Ave	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
876 S Terrace Drive	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
725 S Terrace Drive	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
715 S Terrace Drive	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
689 S Terrace Drive	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
685 S Terrace Drive	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid
675 S Terrace Drive	Unknown	Oversize	Normal	3,500	50	Unknown	Could not remove lid



## 5 Operations and Maintenance Strategies (O&M)

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O&M consists of preventive and emergency / reactive maintenance. In this section, the strategy for O&M varies by the asset, criticality, condition and operating history.

All assets have a certain failure risk associated with them. This risk must be used as the basis for establishing a maintenance program to make sure that the utility addresses the highest risk assets. In addition, the maintenance program should address level of service requirements to ensure that the utility is running at a level acceptable to the customer. Unexpected incidents could require changing the maintenance schedule for some assets. This is because corrective action must be taken in response to unexpected incidents, including those found during routine inspections and O&M activities. Utility staff will record condition assessments when maintenance is performed, at established intervals, or during scheduled inspections. As an asset is repaired or replaced, its condition will improve and therefore it can reduce the overall risk of the asset failing. The maintenance strategy should be revisited annually by Eagle Lake staff.

### 5.1 Preventive Maintenance

Preventive maintenance is the day-to-day work necessary to keep assets operating properly and includes the following:

1. Regular and ongoing annual tasks necessary to keep the assets at their required service level.
2. Day-to-day and general upkeep designed to keep the assets operating at the required levels of service
3. Tasks that provide for the normal care and attention of the asset including repairs and minor replacements
4. The base level of preventative maintenance is defined in the equipment owner's manual. These preventative maintenance guidelines are supplemented by industry accepted best management practices.

Equipment must be maintained according to manufacturer's recommendations to achieve maximum return on investment. By simply following the manufacturer's suggested preventive maintenance the useful life of equipment can be increased 2 to 3 times when compared to run till failure mode of operation. Communities that have eliminated preventive maintenance practices from their operating budget can achieve positive returns from a relatively small additional investment. Deferred maintenance tasks that have not historically been performed because of inadequate funding or staffing must be projected into future operating budgets to achieve life expectancy projected by the manufacturer and engineer.



Table 5.1 is a portion of a generic O&M Program and is based on BMPs, manufacturers' recommended service intervals, staff experience, and other sources. *This schedule is only an example.* The true schedule must be created by Eagle Lake staff based on their historical knowledge, information gleaned from plant O&M Manuals, and other sources. Input from Eagle Lake's operations and maintenance staff is vital.

Eagle Lake staff should schedule all maintenance tasks. Recurring items (such as annual flow meter calibrations for instance) can be set up in advance. In fact, all maintenance activities should be coordinated in a work order format.

Table 5.2 is a **generic** example of a spreadsheet created using information FRWA will make available to Eagle Lake to create a simple maintenance schedule. Such a schedule could be used to create work orders for employees for Asset Management tasks.

A Master Inventory Spreadsheet will be provided to Eagle Lake containing all data collected during our work in the water system. This will be useful in creating a myriad of tools needed for performing Asset Management tasks.

Performing the work is important. Tracking the work is also important. Being able to easily check on when specific maintenance tasks were performed or are scheduled will make the utility run more efficiently.

**Table 5.1**

Preventive Maintenance Frequency		
Asset Category	Frequency	Preventive Maintenance
Valves	Annually	a. Exercise and inspect valves for proper operation, leaks, etc. b. Inspect check valves, strainers, etc. for proper operation, leaks, etc. c. Check packing, seals, etc. replace as necessary
Motors	Annually	a. Inspect motors for proper operation b. Check temperature, vibration, rust, corrosion, unusual odors, etc. c. Lubricate, paint, etc. as required d. Check amps, voltage, etc.
Electrical	Annually	a. Visually inspect all electrical components for obvious issues



		<ul style="list-style-type: none"> <li>b. Remove dust, debris, cobwebs, etc. from components</li> <li>c. Check all connections and lugs for proper tightness</li> </ul>
Pumps	Annually	<ul style="list-style-type: none"> <li>a. Check for proper operation</li> <li>b. Check for signs of corrosion, vibration, excessive temperatures, etc.</li> <li>c. Check seals, packing, etc. and replace as needed</li> </ul>
Disinfection Equipment	Quarterly	<ul style="list-style-type: none"> <li>a. Inspect pumps for proper operation</li> <li>b. Check for leaks, piping/tubing issues, etc.</li> <li>c. Check any valves for proper operation</li> <li>d. Inspect chemical storage for issues</li> </ul>
Piping	Quarterly	<ul style="list-style-type: none"> <li>a. Inspect all visible piping</li> <li>b. Check for corrosion, rust, leaks, etc.</li> <li>c. Clean and paint as needed</li> </ul>
Tanks	Annually	<ul style="list-style-type: none"> <li>a. Inspect all tanks for proper operation</li> <li>b. Check for structural integrity, cracks, rust, etc. Repair as needed</li> </ul>



Table 5.2

Asset	Task	Details	Frequency	Dates Performed	Comments
114 Grove Branch	Routine Inspection	ck structure, signs of corrosion, lid, ring, infiltration, debris, etc	Annually		
123 Lake McLeod Dr.	Routine Inspection	ck structure, signs of corrosion, lid, ring, infiltration, debris, etc	Annually		
210 Grove Branch	Routine Inspection	ck structure, signs of corrosion, lid, ring, infiltration, debris, etc	Annually		
180 Grove Branch	Routine Inspection	ck structure, signs of corrosion, lid, ring, infiltration, debris, etc	Annually		
132 Grove Branch	Routine Inspection	ck structure, signs of corrosion, lid, ring, infiltration, debris, etc	Annually		
470 Squires Grove	Routine Inspection	ck structure, signs of corrosion, lid, ring, infiltration, debris, etc	Annually		
504 Honey Bell	Routine Inspection	ck structure, signs of corrosion, lid, ring, infiltration, debris, etc	Annually		
227 Fall Glo	Routine Inspection	ck structure, signs of corrosion, lid, ring, infiltration, debris, etc	Annually		
1210 N 12th St.	Routine Inspection	ck structure, signs of corrosion, lid, ring, infiltration, debris, etc	Annually		
1130 N 12th St.	Routine Inspection	ck structure, signs of corrosion, lid, ring, infiltration, debris, etc	Annually		
1015 N 12th St.	Routine Inspection	ck structure, signs of corrosion, lid, ring, infiltration, debris, etc	Annually		
1115 N 11th St.	Routine Inspection	ck structure, signs of corrosion, lid, ring, infiltration, debris, etc	Annually		
1010 N 11th St.	Routine Inspection	ck structure, signs of corrosion, lid, ring, infiltration, debris, etc	Annually		
910 N 11th St.	Routine Inspection	ck structure, signs of corrosion, lid, ring, infiltration, debris, etc	Annually		
N 10th and E Pearce	Routine Inspection	ck structure, signs of corrosion, lid, ring, infiltration, debris, etc	Annually		
955 N 10th St.	Routine Inspection	ck structure, signs of corrosion, lid, ring, infiltration, debris, etc	Annually		
N 10th and E Bay Ave.	Routine Inspection	ck structure, signs of corrosion, lid, ring, infiltration, debris, etc	Annually		
10th St N of bend	Routine Inspection	ck structure, signs of corrosion, lid, ring, infiltration, debris, etc	Annually		
Thomas Fish Company	Routine Inspection	ck structure, signs of corrosion, lid, ring, infiltration, debris, etc	Annually		





## 5.2 Proactive vs Reactive Maintenance

Reactive maintenance is often carried out because of customer requests or sudden asset failures. The required service and maintenance to fix the customer's issue(s) or asset failure is identified by staff inspection and corrective action is then taken.

Proactive maintenance consists of preventive and predictive maintenance. Assets are monitored frequently and routine maintenance is performed to increase asset longevity and prevent failure.

Upon adoption of this Asset Management Plan or any DEP-approved WAMP, FRWA Utility Asset Management (UAM) intends to upload Eagle Lake's asset data definition file into "Diamond Maps", described in Section 2.3, and populate with field data.

## 5.3 Staff Training

Utility maintenance is quite unique. It can involve water and sewer main repairs, customer service issues, lift station troubleshooting and repair, blower and motor repairs, and even tank repairs. This skill set is not common. Training staff, whether they are new or long-term employees, is very important. It is recommended that the City initiate a training program for its employees. Electrical safety, troubleshooting panel boxes, trenching and shoring, confined space, etc. are just a few of the topics that could benefit Eagle Lake and its staff.

FRWA personnel can provide some of this. Other options are also possible. For example, nearby municipalities might allow shadowing of their lift station crews to gain knowledge and experience.

You cannot receive too much training. A more knowledgeable and capable staff makes the utility even better.

## 6 Capital Improvement Plan

A Capital Improvement Plan is a vital asset for any utility. This is a short-range plan, typically 4 to 10 years, which identifies future capital projects. Capital improvement projects generally create a new asset that previously did not exist or upgrades or improves an existing component's capacity. The projects can result from growth or environmental needs, such as:

1. Any expenditure that purchases or creates a new asset or in any way improves an asset beyond its original design capacity.
2. Any upgrades that increase asset capacity.
3. Any construction designed to produce an improvement in an asset's standard operation beyond its present capacity.



Capital improvement projects, such as Lift Station Replacements, Green Acres WTP Improvements, and others, will populate this list.

Renewal expenditures are anything that does not increase the asset's design capacity but restores an existing asset to its original capacity. Any improvement projects that require more than simply restoring an asset to its original capacity are deemed to be a renewal project, such as:

1. Any activities that do not increase the capacity of the asset. (i.e., activities that do not upgrade and enhance the asset but merely restore them to their original size, condition and capacity)
2. Any rehabilitation involving improvements and realignment or anything that restores the assets to a new or fresh condition.

In making renewal decisions, the utility considered several categories other than the normally recognized physical, failure or breakage. Such renewal decisions include the following:

1. Structural
2. Capacity
3. Level of service failures
4. Outdated functionality
5. Cost or economic impact

The utility staff and management typically know of potential assets that need to be repaired or rehabilitated. Reminders can be set up to let the staff members know when the condition of an asset begins to decline according to the manufacturer's life cycle recommendations. The utility staff can take these reminders and recommendations into account.

Because the anticipated needs of the utility will change each year, the CIP is updated annually to reflect those changes.



## 7 Financial

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### 7.1 Population and Growth

<b>Population of the City of Eagle Lake in 2019:</b>	2,517
<b>Population change since 1990:</b>	+42.3%
<b>Median age</b>	40.6
<b>Estimated median household income in 2019:</b>	\$50,625
<b>Estimated per capita income in 2017:</b>	\$13,249

Source: <https://datausa.io/profile/geo/eagle-lake-fl>

### 7.2 Income Streams / Financial Planning

An enterprise fund should exist to separate the water account/budget category from other City operations. WTP and WCS CIPP, O&M/PM and R&R required reserve budgeting worksheets are traditionally prepared and can help determine appropriate amounts for these funds. Items considered are:

- WS annual revenues from fees, loans and grants, interest from any accounts, and other sources of income.
- The City's annual expenditures on maintenance, utilities, salaries and benefits, office supplies, professional services, taxes, and loan payments.
- The City's net income.
- The amount of additional funding Eagle Lake will need to continue to operate and maintain the WS and replace and repair WS assets.

Worksheets of this nature should be completed/updated annually. They would provide an accurate assessment of the Eagle Lake's financial situation and help properly plan for future needs. The budgeting worksheets would help understanding the financial position of the City's WS and forecast any potential shortfalls. They would help determine whether or not the WS reserve account is adequately funded and whether or not Eagle Lake should begin searching for additional funding sources.



### 7.3 Rates

A ‘rule of thumb’ we subscribe to regarding rates is that base charges pay for operational expenses and usage charges fund the CIPP/R&R/PM/and O&M reserves. Usage fluctuates and does not always provide a reliable funding source for operations.

If a large rate increase is implemented, rate shock can occur and lead to issues with customers. We recommend a stepped approach featuring gradual increases spread out over a specified timeframe. This allows customers to acclimate themselves to each increase. However, this method will likely not meet current needs. Positive advertising such as notifying customers that the City is complying with the LOS agreement and success stories related to the Asset Management Plan will certainly help. Keeping customers informed is always a worthwhile endeavor. Using bill inserts or mailings that advertise utility accomplishments and successes with LOS items and listing any system improvements that have been made will demonstrate Eagle Lake’s commitment to proper system stewardship.

The current residential and commercial rate structure is as follows:

Customer Class	Base Rate Inside City	# of Connections Inside City	Billed Usage Inside City (Kgal)	Base Rate Outside City	# of Connections Outside City	Billed Usage Outside City (Kgal)
Residential DW	\$15.79	1247	8120	\$19.73	242	1474
Residential WW	\$28.42	1001	6100	\$35.54	111	452
Commercial DW	\$17.79	75	897	\$22.23	14	325
Commercial WW	\$28.42	71	691	\$35.54	0	0



## 7.4 RevPlan

The Florida Rural Water Association has partnered with Raftelis to offer the systems of Florida a free online tool called RevPlan.

RevPlan is designed to enhance the asset and financial management for small water utilities. The idea behind RevPlan is to provide an online tool for small water utilities to achieve financial resiliency and to maintain their utility assets for long-term sustainability. RevPlan will assist users in identifying the various utility funding requirements over a five, ten, fifty or twenty-year planning window. These funding requirements include capital funding, operating costs, and debt repayment. RevPlan allows the user to identify any rate adjustments necessary to meet the utility funding requirements and the impact rate increases may have on ratepayers.

RevPlan is easy to use, integrates with Diamond Maps, "feels" like Turbo Tax, and is financially feasible. RevPlan will help your system to:

- Replace aging asset management financial planning software supplied by the EPA
- Strengthen usage of web-based asset management mapping tool (Diamond Maps)
- Provide a reality check on the resources needed to maintain these small systems

Eagle Lake asset data collected by FRWA staff along with financial information provided by the system were entered into RevPlan to create a preliminary financial sufficiency model for the utility. Each year (or as projects come up) the system is encouraged to update RevPlan and use it to help understand the impacts of future projects and rate increases.

The use of RevPlan can allow the system to input current financial data and see a projection up to twenty years out for financial planning. Eagle Lake will have the ability to modify the rate structure to determine different rate scenarios that support current and upcoming debt and expenses.

Based on financial information, water reports and billing information, FRWA developed two rate scenarios.

Scenario 1 shows rate increases needed to maintain reserves if CIP projects for System Improvements require Full Loans from SRF/FDEP.

Scenario 2 assumes the system receives at least 50% principle forgiveness (grant) for both Design and Construction loans.

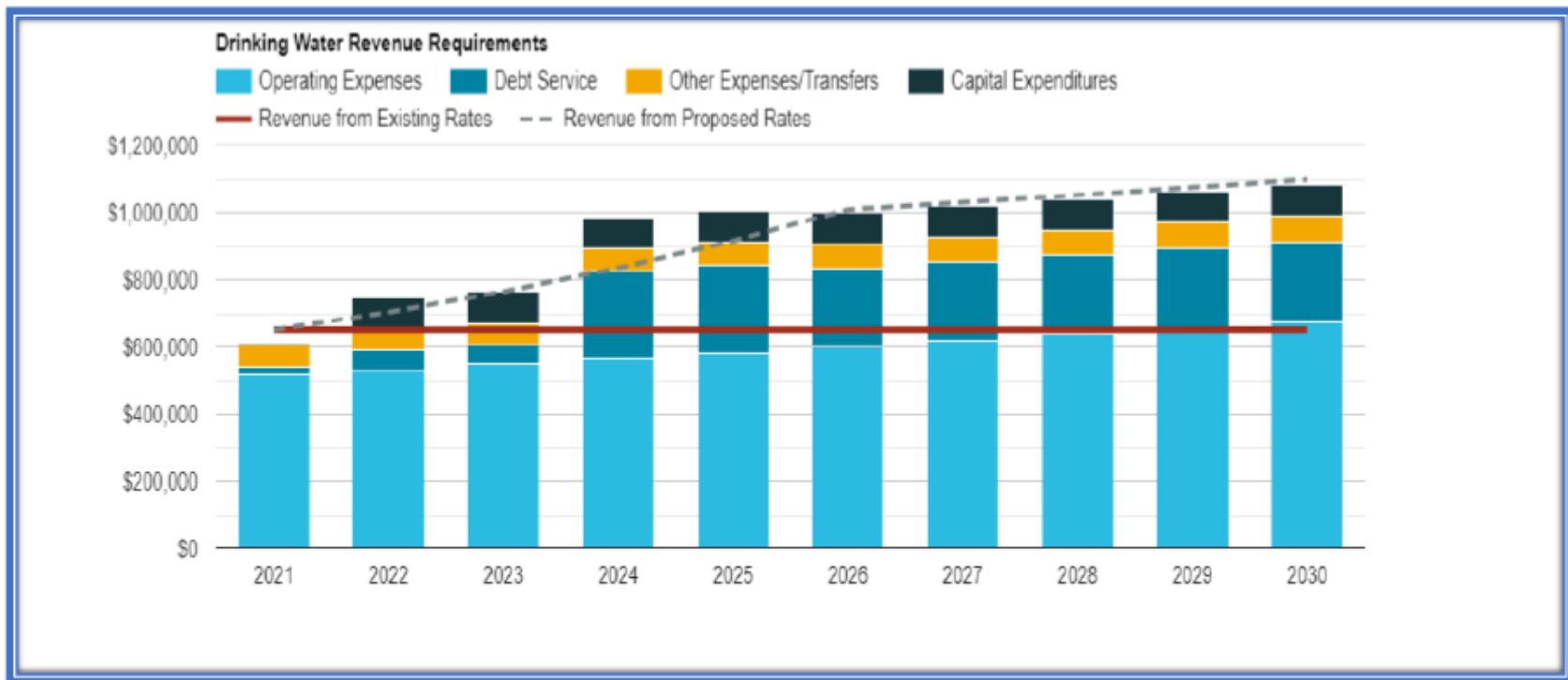
Additional RevPlan tables can be found in Section 9.6 of this plan.



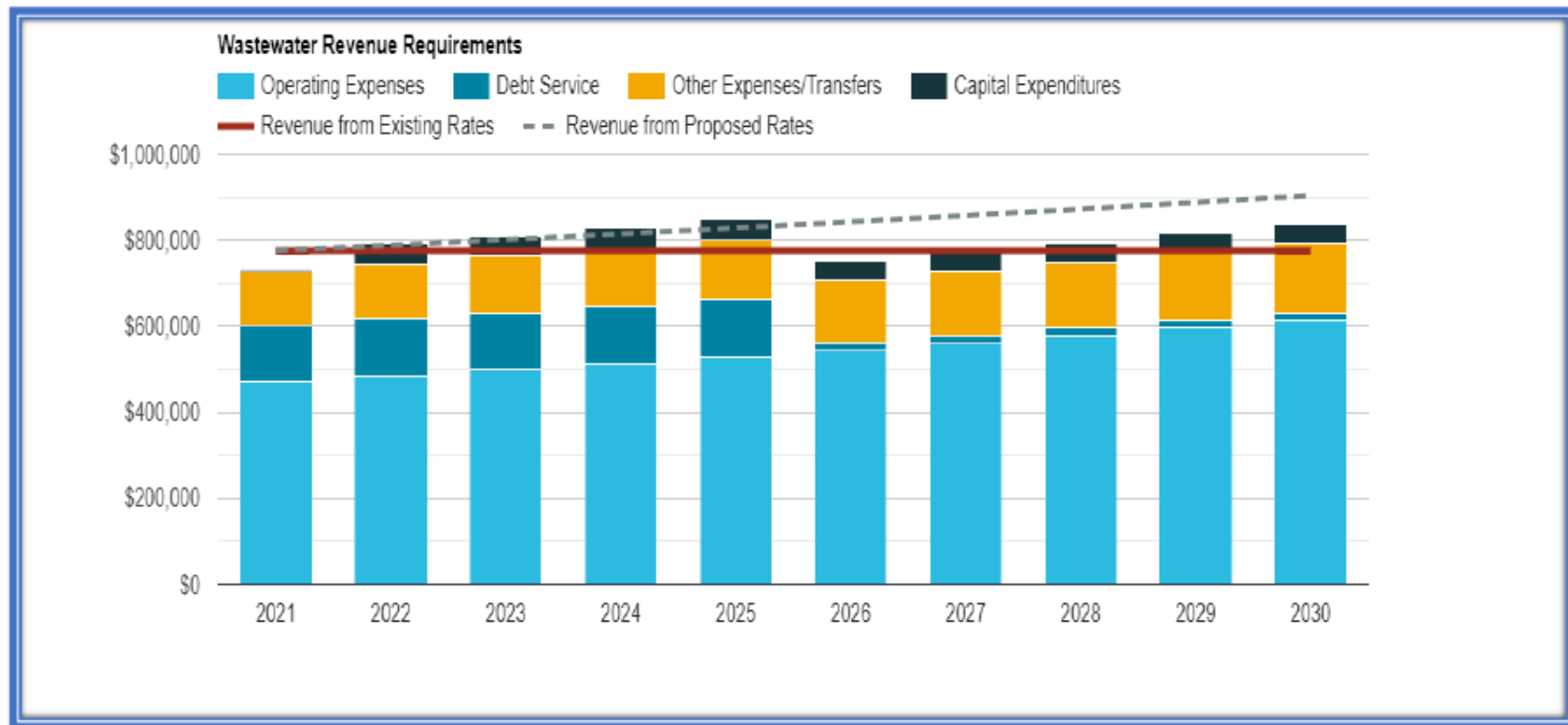
### Scenario 1 Full Loan

For this scenario, proposed water rates are increased 15% in years two thru six and 3% in years seven thru ten. Proposed wastewater rates are at 3% beginning in year two thru year ten.

Eagle Lake, City of  
 Scenario 1 Eagle Lake DW&WW FY21 (Full Loan)  
 Fiscal Year: 2021  
 Adjustments & Graphs Pg 2  
 Drinking Water Revenue Requirements



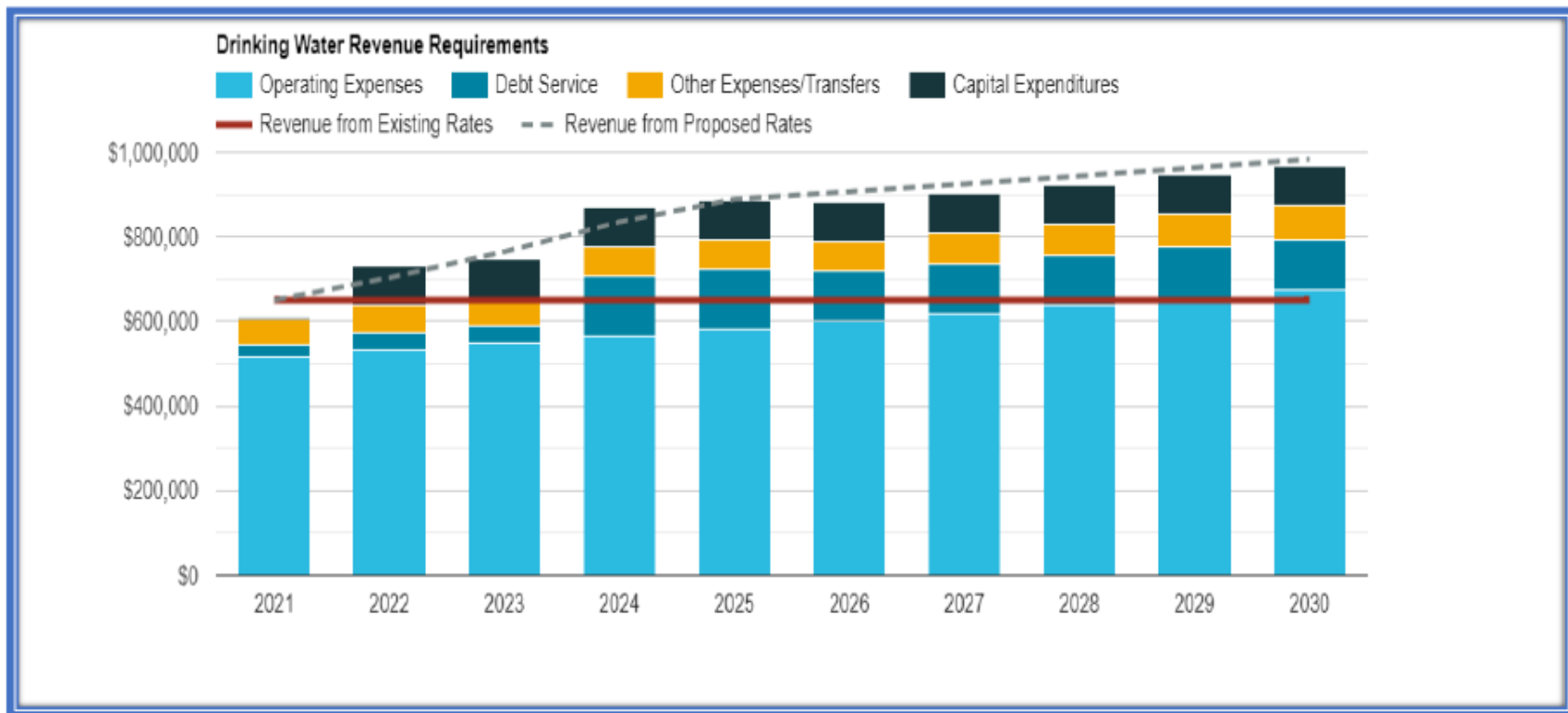
Eagle Lake, City of  
 Scenario 1 Eagle Lake DW&WW FY21 (Full Loan)  
 Fiscal Year: 2021  
 Adjustments & Graphs Pg 3  
 Wastewater Revenue Requirements



## Scenario 2 50% Grant

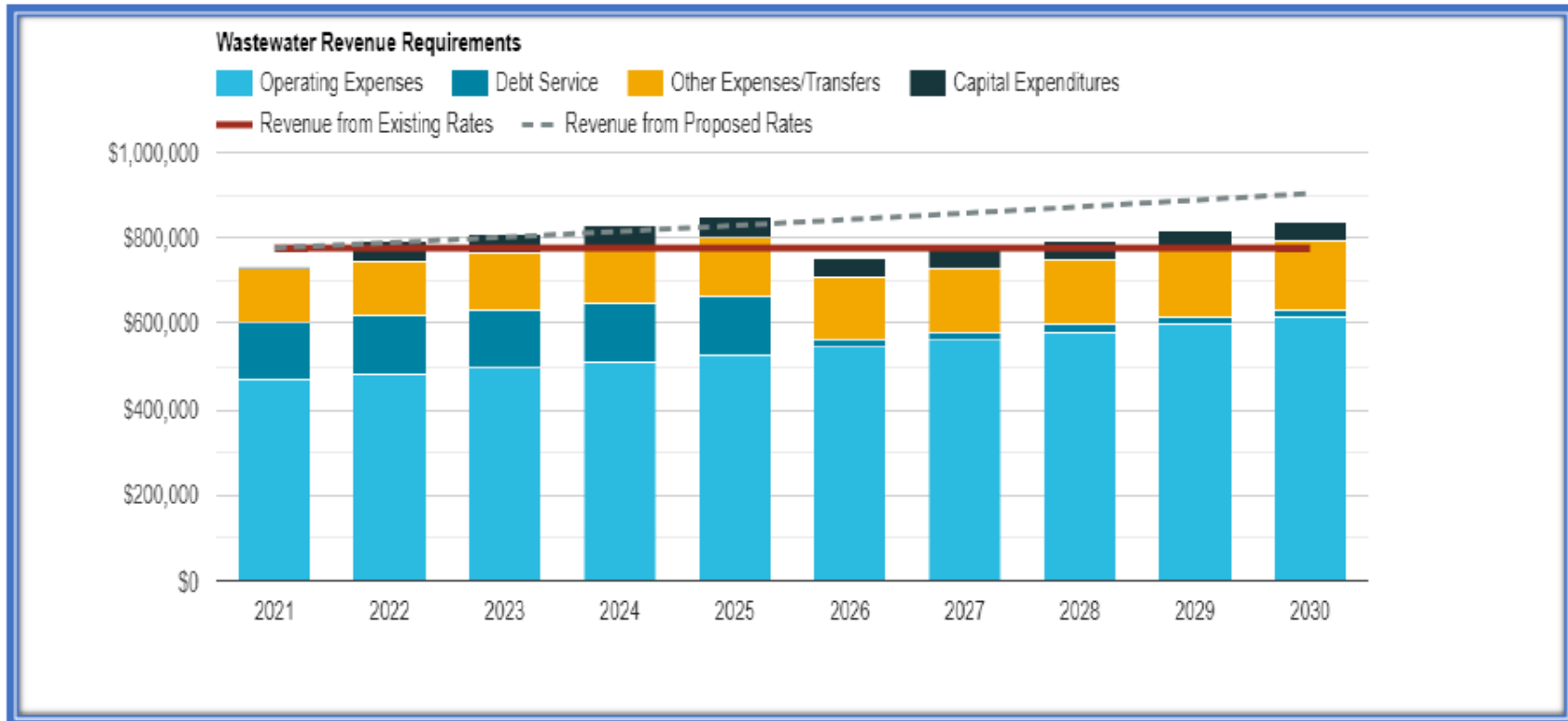
For this scenario, proposed water rates are increased 15% in years two thru four, 10% in year five, and 3% in years six thru ten. Proposed wastewater rates remain at a 3% increase in years two thru ten.

Eagle Lake, City of  
 Scenario 2 Eagle Lake DW&WW FY21 (50% SRF)  
 Fiscal Year: 2021  
 Adjustments & Graphs Pg 2  
 Water Revenue Requirements





Eagle Lake, City of  
 Scenario 2 Eagle Lake DW&WW FY21 (50% SRF)  
 Fiscal Year: 2021  
 Adjustments & Graphs Pg 3  
 Wastewater Revenue Requirements



Comprehensive RevPlan charts begin on page xx.



Proper rates, once established, will satisfy:

- The existing operational expenses of the system;
- The existing debt service requirements.
- The annual replacement costs for the system's assets and future capital improvement costs;
- New operating expenses that may arise;
- The future debt needed to adequately replace and sustain the assets of the system;
- The system's annual reserve requirements; and,
- The need to preserve the existing amount of funds in retained earnings.

The utility should review the model projections at least annually to determine if additional rate increases are needed.

### Funding Sources for Water and Wastewater Systems

Below is a table of common funding sources, including web links and contact information. All municipal systems should be making the effort to secure funding, which can be in the form of low or no interest loans, grants or a combination.

Agency/Program	Website	Contact
FDEP Drinking Water State Revolving Fund Program (DWSRF)	<a href="https://floridadep.gov/wra/srf/content/dwsrf-program">https://floridadep.gov/wra/srf/content/dwsrf-program</a>	Shanin Speas-Frost <a href="mailto:shanin.speasfrost@floridadep.gov">shanin.speasfrost@floridadep.gov</a> 850-245-2991
FDEP Clean Water State Revolving Fund Loan Program (CWSRF)	<a href="https://floridadep.gov/wra/srf/content/cwsrf-program">https://floridadep.gov/wra/srf/content/cwsrf-program</a>	Tim Banks <a href="mailto:Timothy.Banks@dep.state.fl.us">Timothy.Banks@dep.state.fl.us</a> 850-245-2966
USDA Rural Development- Water and Wastewater Direct Loans and Grants	<a href="https://www.rd.usda.gov/programs-services/rural-economic-development-loan-grant-program">https://www.rd.usda.gov/programs-services/rural-economic-development-loan-grant-program</a> <a href="https://www.rd.usda.gov/programs-services/water-waste-disposal-loan-grant-program">https://www.rd.usda.gov/programs-services/water-waste-disposal-loan-grant-program</a>	Michael Langston <a href="mailto:michael.langston@fl.usda.gov">michael.langston@fl.usda.gov</a> 352-338-3440
Economic Development Administration- Public Works and Economic Adjustment Assistance Programs	<a href="https://www.eda.gov/resources/economic-development-directory/states/fl.htm">https://www.eda.gov/resources/economic-development-directory/states/fl.htm</a> <a href="https://www.grants.gov/web/grants/view-opportunity.html?oppld=294771">https://www.grants.gov/web/grants/view-opportunity.html?oppld=294771</a>	Greg Vaday <a href="mailto:gvaday@eda.gov">gvaday@eda.gov</a> 404-730-3009
National Rural Water Association- Revolving Loan Fund	<a href="https://nrwa.org/initiatives/revolving-loan-fund/">https://nrwa.org/initiatives/revolving-loan-fund/</a>	Gary Williams <a href="mailto:Gary.Williams@frwa.net">Gary.Williams@frwa.net</a> 850-668-2746



Florida Department of Economic Opportunity- Florida Small Cities Community Development Block Grant Program	<a href="http://www.floridajobs.org/community-planning-and-development/assistance-for-governments-and-organizations/florida-small-cities-community-development-block-grant-program">http://www.floridajobs.org/community-planning-and-development/assistance-for-governments-and-organizations/florida-small-cities-community-development-block-grant-program</a>	Roger Doherty <a href="mailto:roger.doherty@deo.myflorida.com">roger.doherty@deo.myflorida.com</a> 850-717-8417
Northwest Florida Water Management City- Cooperative Funding Initiative (CFI)	<a href="https://www.nwfwater.com/Water-Resources/Funding-Programs">https://www.nwfwater.com/Water-Resources/Funding-Programs</a>	Christina Coger <a href="mailto:Christina.Coger@nwfwater.com">Christina.Coger@nwfwater.com</a> 850-539-5999

## 8 Conclusions

Conclusions are based on observations made during the data collection procedure, discussions with Eagle Lake staff, regulatory inspection data, and our experience related to similar assets.

Areas needing attention (detailed in Section 4.2) include:

Green Acres WTF – Rehabilitation of the Green Acres WTF is planned. A new ground storage tank, high service pumps, plant operations building, piping, and other necessary items are included in this project. Any issues listed in the above plan for this facility should be addressed with this in mind. Maintenance of these assets to minimize large expenditures is prudent. The cost of the plant improvements/replacements will be, based on State Revolving Fund documents, \$3,267,520.

Eagle Lake WTF – The disconnect and breaker panel for well #1 and the disconnect and control panel for well #2 control panel are in poor condition and should be replaced. Estimated cost: \$7,000.

Distribution system isolation valves– 17 distribution isolation valves (14 - 2" and 3 - 4") were in poor condition. Each of these are wheel valves and all should be replaced. Estimated cost: \$5,200

Hydrants – 16 hydrants were in poor condition. Issues included leaning, inadequate clearance for proper use, missing components such as caps, and others were simply old and deteriorated. Each should be evaluated by staff and a remedy chosen (straightening the lean, raising the hydrant, replacing components, refurbishment, or replacement). Cost estimate: ≤ \$56,000.

Hydrant valves – Three items were found. One bonnet was broken and two lids were missing. Cost: negligible.



### Collection system

Lift stations: The most pressing issues are Stations #2 and #5. These underground 'can' lift stations should be replaced with more conventional stations as soon as possible. They are confined spaces and pose a significant risk to City personnel. Estimated cost depends on the design of the new stations but could easily be \$3-500,000

Lift station #6 control panel and disconnect are in poor condition and should be replaced. Estimated cost: \$7,000

Manholes – 33 need to be evaluated by Eagle Lake staff. Based on observations made during other manholes assessments, significant issues may be unlikely. However, verification is wise.

Staffing – Performing the tasks described in the plan takes time and personnel. Simply adding this work to what is likely an already overloaded work force is a recipe for failure. Eagle Lake must do whatever is necessary to insure sufficient and adequately trained staff exist to implement this plan.

### General:

A CMMS program must begin to maintain assets efficiently and effectively. **Diamond Maps** is an excellent choice and is highly recommended.

Rates must be examined to make sure they continue to provide adequate funding for operations and system improvements. When provided, RevPlan information can be valuable in making financial and rate decisions.

An automatic Minimum annual Rate increase of the Consumer Price Index (CPI) should be applied and is recommended by the FRWA and should be reviewed by Eagle Lake.

Energy Management is recommended as well. Even small changes in energy use can result in large savings. Additional information can be found in Section 9.3.

The Asset Management Plan must be adopted by resolution or ordinance. This demonstrates the utilities commitment to the plan.

After adoption, implementation of the AMP must occur.

## **8.1 Implementing the Asset Management Plan**

Implementing an Asset Management Plan requires several items:

1. **Assign specific personnel** to oversee and perform the tasks of Asset Management.



2. **Develop and use a CMMS program (Computerized Maintenance Management System)**. The information provided in this AMP will give the utility a good starting point to begin this. Utilize the exhaustive asset list provided to plan maintenance tasks. Properly maintaining assets will ensure their useful life is extended and will ultimately save money. Asset maintenance tasks are scheduled and tracked, new assets are captured, and assets removed from service are retired properly using CMMS. Transitioning from reactive to preventive and predictive maintenance philosophies will net potentially huge savings for the utility. FRWA can help with selection, set up, and implementation. Target the items listed in this AMP and devise a plan to address them.
3. **Develop specific Level of Service items**. Create a list of LOS items. You may want to inform customers of the Utility's commitment to providing the stated LOS. Successes can also be shared with customers. This can dramatically improve customer relations. This also gives utility employees goals to strive for and can positively impact morale.
4. **Develop specific Change Out/ Repair/ Replacement Programs**. As is the case with the Eagle Lake water system, manholes need work, inflow issues need to be addressed, and plant equipment needs to be repaired or replaced. All of these represent large monetary outlays. Examples might include budgeting for five manhole refurbishments each year or Phase 1 of a collection system inflow study to control I&I (Inflow and Infiltration).
5. **Modify the existing rate structure** as recommended to make sure adequate funds are available to properly operate and maintain the facility. Rate increases, when required, can be accomplished in a stepped fashion rather than an 'all now' approach to lessen the resulting customer impact.
6. **Explore financial assistance options**. This can be especially useful in the beginning stages of Asset Management since budget shortfalls likely exist and high cost items may be needed quickly.
7. **Revisit the AMP annually**. An Asset Management Plan is a living document. It can be revised at any time but must be revisited and evaluated at least once each year. Updates may be needed such as changes to your asset management team, asset inventory, updating condition and criticality ranking charts, asset condition and criticality assessment procedures may need to be revisited, evolving O&M activities may warrant changes, financial strategies and long-term funding plan may need to change, etc.

## 8.2 Closing

This Asset Management and Fiscal Sustainability Plan is presented to The City of Eagle Lake for adoption and implementation. Its creation would not be possible without the cooperation of Eagle Lake's excellent staff. Their assistance was invaluable and is greatly appreciated. The Florida Rural Water Association will assist in making a 'plan of action' to help make Eagle Lake's Asset Management Plan a success.



## 9 Additional Information

### 9.1 Additional Level of Service (LOS) Information

The City of Eagle Lake must decide what level of service it will provide. The following table shows *examples* of what might be included. The LOS items for Eagle Lake must be specific to the system and be discussed and agreed upon by management and staff. Ideally, these goals would be conveyed to the utility's customers via a 'Level of Service Agreement'. This document is a demonstration of the accountability of the utility in meeting the customer's needs and its commitment to do so. Use the items below and those listed in section 2 as templates to establish worthwhile LOS goals for your utility.

Service Area	Levels of Service		Achieved
	Goal	Performance Targets	
Health, Safety and Security	Reduce the number, frequency and duration of boil advisories.	Reduce the number of water leaks by 20%. Reduce the average length of utility outage to less than a day.	Major performance deficiencies
Asset Preservation and Condition	Improve Preventative Maintenance	Complete all scheduled preventative maintenance tasks within 10 days.	Considerable performance deficiencies
Asset Preservation and Condition	Establish a Predictive Maintenance program	Complete all scheduled monitoring tasks within 10 days.  Escrow \$1,445 monthly for predictive maintenance expenses.	Major performance deficiencies
Asset Preservation and Condition	Development an Asset Replacement Strategy	Escrow \$25,500 annually for Asset Replacement.	Major performance deficiencies
Service Quality and Cost	Increase utility rate to improve sustainability and absorb the up-front cost of asset management planning.	Utility Rate Adjustment Pending	Major performance deficiencies
Service Quality and Cost	Enact automatic inflationary rate adjustments	Utility Rate Adjustment Pending	Major performance deficiencies
Service Quality and Cost	Minimize life-of-asset ownership cost	Begin monitoring the cost of unplanned (emergency) repairs relative to scheduled preventative maintenance.	Meets no performance objectives
Conservation, Compliance and Enhancement	Improve reliability of water distribution through the distribution system	Hire engineer to perform preliminary engineering report and begin project design. Prepare project funding applications for construction start in fall of 2011.	Major performance deficiencies



## 9.2 Maintenance Plan

Maintaining assets is obviously important. As the number of assets grows, scheduling, performing, and tracking this work becomes complicated. Having a system in place to ensure staff knows what is due, how often it must be done, and a means of tracking this is vital.

Asset Management can seem overwhelming. However, most of the tasks are being done now. The key is scheduling the work and documenting that it was completed.

## 9.3 Energy Conservation and Cost Savings

### Energy Management

Energy costs often make up 25 to 30 percent of a utility's total operation and maintenance (O&M) costs. They also represent the largest controllable cost of providing water and wastewater services. EPA's [\*Energy Management Guidebook for Wastewater and Water Utilities\*](#) provides details to support utilities in energy manage and cost reduction by using the steps described in this guidebook. The Guidebook takes utilities through a series of steps to analyze their current energy usage, use energy audits to identify ways to improve efficiency, and measure the effectiveness of energy projects.

Also available from the EPA in support of energy efficiency, "Ensuring a Sustainable Future": An Energy Management Guidebook for Wastewater and Water Utilities. [\*Ensuring a Sustainable Future: An Energy Management Guidebook for Wastewater and Water Utilities \(PDF\)\*](#)

Eagle Lake's WS should ensure all assets, not just those connected to a power source, are evaluated for energy efficiency. It is highly recommended the City conduct an energy assessment or audit. The following are common energy management initiatives Eagle Lake should implement going forward:

1. Load management
2. Replace weather-stripping and insulation on buildings.
3. Installation of insulated metal roofing over energy inefficient shingle roofing
4. On-demand water heaters
5. Variable frequency driven pumps and electrical equipment
6. Energy efficient infrastructure
7. LED lighting
8. Meg electric motors
9. MCC electrical lug thermal investigation
10. Flag underperforming assets for rehabilitation or replacement



An energy audit is intended to evaluate how much energy is consumed and identify measures that can be taken to utilize energy more efficiently. The primary goal is reducing power consumption and cost through physical or operational changes. Each system will have unique opportunities to reduce energy use or cost depending on system specific changes and opportunities within the power provider's rate schedules. An audit of an individual water treatment plant (WTP) is an attempt to pinpoint wasted or unneeded facility energy consumption. With the cost of electricity on the rise, reducing energy use should be a priority for municipalities. A key part of energy audits is thorough analysis of the effects of overdesign on energy efficiency. Plants are designed to perform at maximum flow and loading conditions. Unfortunately, most plants are not efficient at average conditions. Aging infrastructure is another source of inefficient usage of energy in WTPs across the country. The basis for addressing aging infrastructure related energy waste is also included in the energy audit process. It is recommended to perform an energy audit every 2-3 years to analyze return on investment.

#### 9.4 Energy Conservation Measures

The following table provides typical water and wastewater high-use energy operations and associated potential energy saving measures.

High Energy Using Operations	Energy Saving Measures
Pumping	<ul style="list-style-type: none"> <li>• Reduce load</li> <li>• Manage load</li> <li>• Water to wire efficiency</li> <li>• Pump selection</li> <li>• Motor and drive selection</li> <li>• Automated control</li> </ul>
Aeration	<ul style="list-style-type: none"> <li>• Fine bubble</li> <li>• Improved mechanical surface aerators</li> <li>• Premium motors</li> <li>• High efficiency motor drive</li> <li>• Blower variable frequency drives</li> <li>• Automatic DO control</li> </ul>
Dewatering	<ul style="list-style-type: none"> <li>• Replace vacuum systems</li> <li>• Premium motors</li> <li>• Variable frequency drives for plant water pump</li> </ul>





High Energy Using Operations	Energy Saving Measures
Lighting	<ul style="list-style-type: none"> <li>• Motion sensors</li> <li>• T5 low and high bay fixtures</li> <li>• Pulse start metal halide</li> <li>• Indirect fluorescent</li> <li>• Super-efficient T8s</li> <li>• Comprehensive control for large buildings</li> </ul>
Heating, Ventilation, Air Conditioning (HVAC)	<ul style="list-style-type: none"> <li>• Water source heat pumps</li> <li>• Prescriptive incentives for remote telemetry units</li> <li>• Custom incentives for larger units</li> <li>• Low volume fume hood</li> <li>• Occupancy controls</li> <li>• Heat pump for generator oil sump</li> </ul>



## 9.5 Energy Audit Approach Checklist

A water system energy audit approach checklist similar to the one below can be a useful tool to identify areas of potential concern and to develop a plan of action to resolve them.

### Water System Energy Audit Approach Checklist

#### Determine type of audit

☐ Pumping, HVAC, lighting, and/or process

#### Determine audit team members, everyone will have different goals

☐ Engineers - reduce energy cost

☐ Plant staff - reduce disruption to system

☐ Electric utility - reduce peak demand

#### Collect data

☐ Power bills - get actual bills that show energy use, demand charges, cost adjustments, etc

☐ Electric rate schedules - get current rate schedules

☐ Alternative rate schedules - are alternate rates available that will benefit the water system?

☐ Flow data - include booster stations, wells, high service pumps, anything with a flow meter

☐ Meter data - sold vs produced, bulk purchases or sales, water loss data

☐ Pump curves - collect pump curves to verify pumps are operating near their design point

☐ Process flow diagrams, design summary - useful to help understand operation of the system

☐ Water quality standards - any unique processes required?

☐ Previous audit findings - have energy audits been performed in the past?

☐ System pressure - operating pressures with distribution system

☐ Pressure zones - how are different zones operated, how is water moved around the system?

☐ PRVs - amount of head removed, number in the system, any way to limit wasting head?

☐ Reservoirs - storage capacity, elevation, head range

☐ Compressed air systems - horsepower, receiver tank size, devices consuming compressed air

☐ HVAC - efficiency and performance of existing equipment

☐ Gas bills - HVAC audit

☐ Lighting - efficiency and performance of existing lights

#### Conduct Site Visit

☐ Meet with staff and operators

☐ Q&A session - discuss operations, gain understanding of how system is operated

☐ Seek input from operators and those familiar with the system

☐ Walk through - tour facilities, more Q&A

☐ Obtain any missing info, check motor sizes, observe valve positions

☐ Focus on big power consumers, they will offer best payback opportunity

☐ Raw water pumping, wells, HSP, air compressors - typically largest power consumers

☐ Seek energy efficiency ideas from plant staff

#### Develop Energy Conservation Measures

☐ Estimate energy or cost savings

☐ Determine capital cost

☐ Consider operational impacts to the plant

☐ Look for rebates or incentives



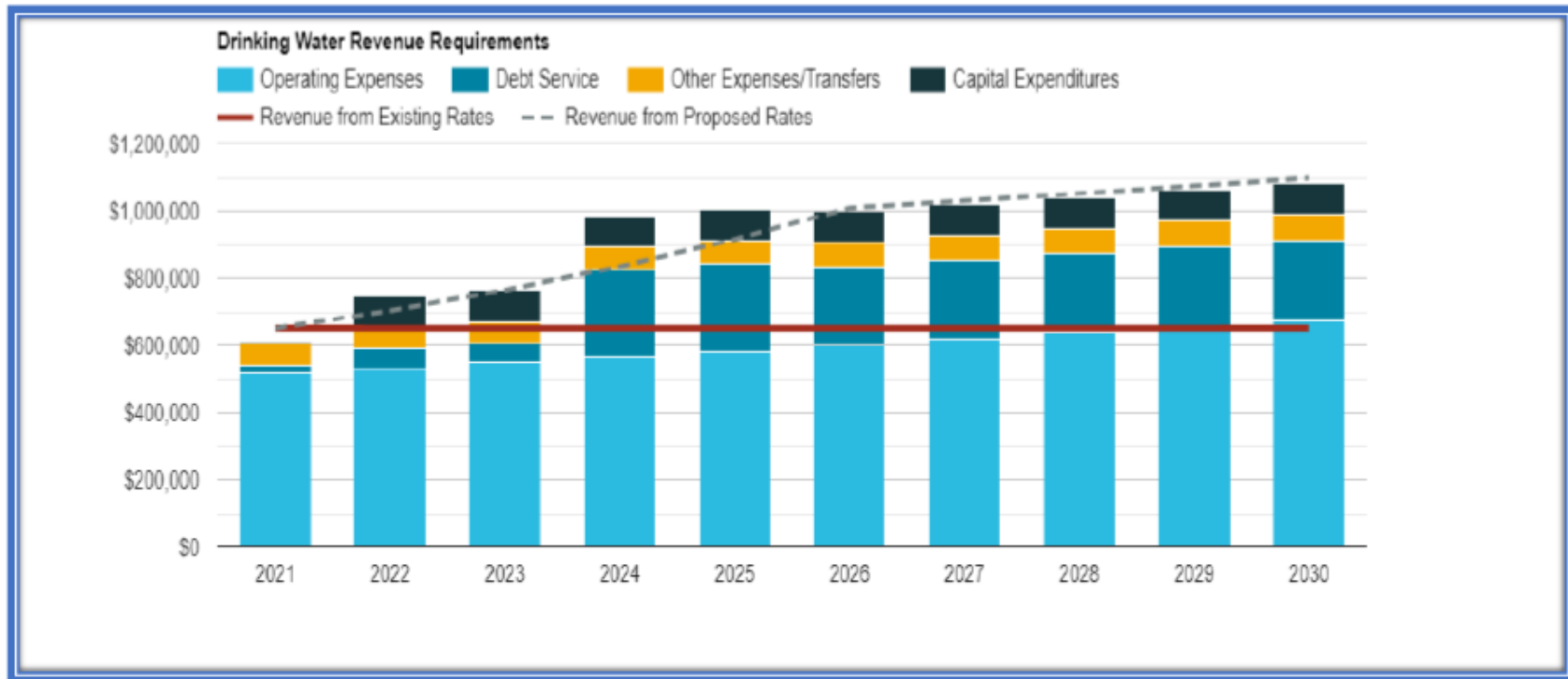
## 9.6 RevPlan Documents

Eagle Lake, City of  
 Scenario 1 Eagle Lake DW&WW FY21 (Full Loan)  
 Fiscal Year: 2021  
 Adjustments & Graphs Pg 1  
 Proposed Rate Increases

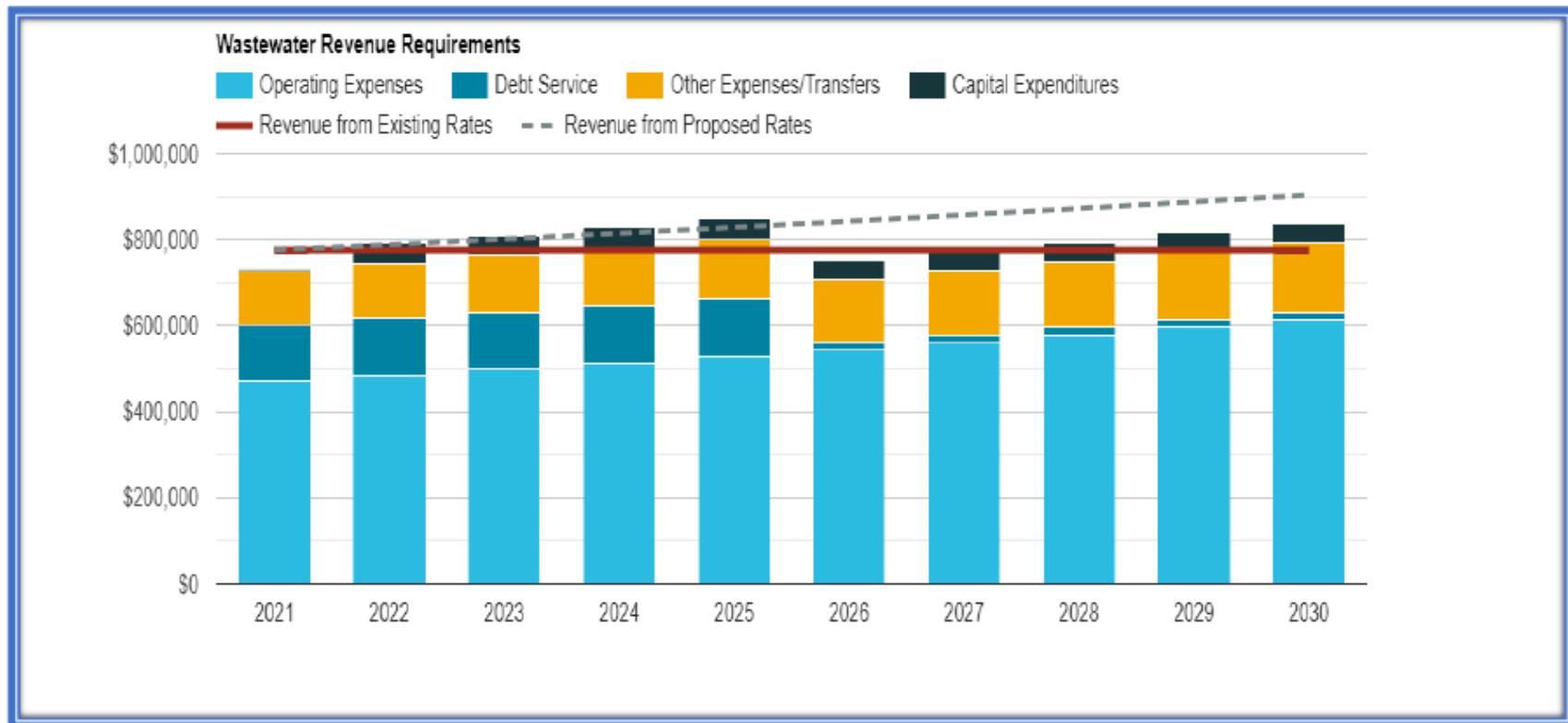
Adjustments ?										
	Fiscal Year									
	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
<b>Base Charge Adjustments</b>										
Drinking Water	0 %	15 %	15 %	15 %	15 %	15 %	3 %	3 %	3 %	3 %
Wastewater	0 %	3 %	3 %	3 %	3 %	3 %	3 %	3 %	3 %	3 %
<b>Usage Charge Adjustments</b>										
Drinking Water	0 %	15 %	15 %	15 %	15 %	15 %	3 %	3 %	3 %	3 %
Wastewater	0 %	3 %	3 %	3 %	3 %	3 %	3 %	3 %	3 %	3 %
<b>Connection and Usage Growth Adjustments</b>										
Drinking Water	- %	- %	- %	- %	- %	- %	- %	- %	- %	- %
Wastewater	- %	- %	- %	- %	- %	- %	- %	- %	- %	- %



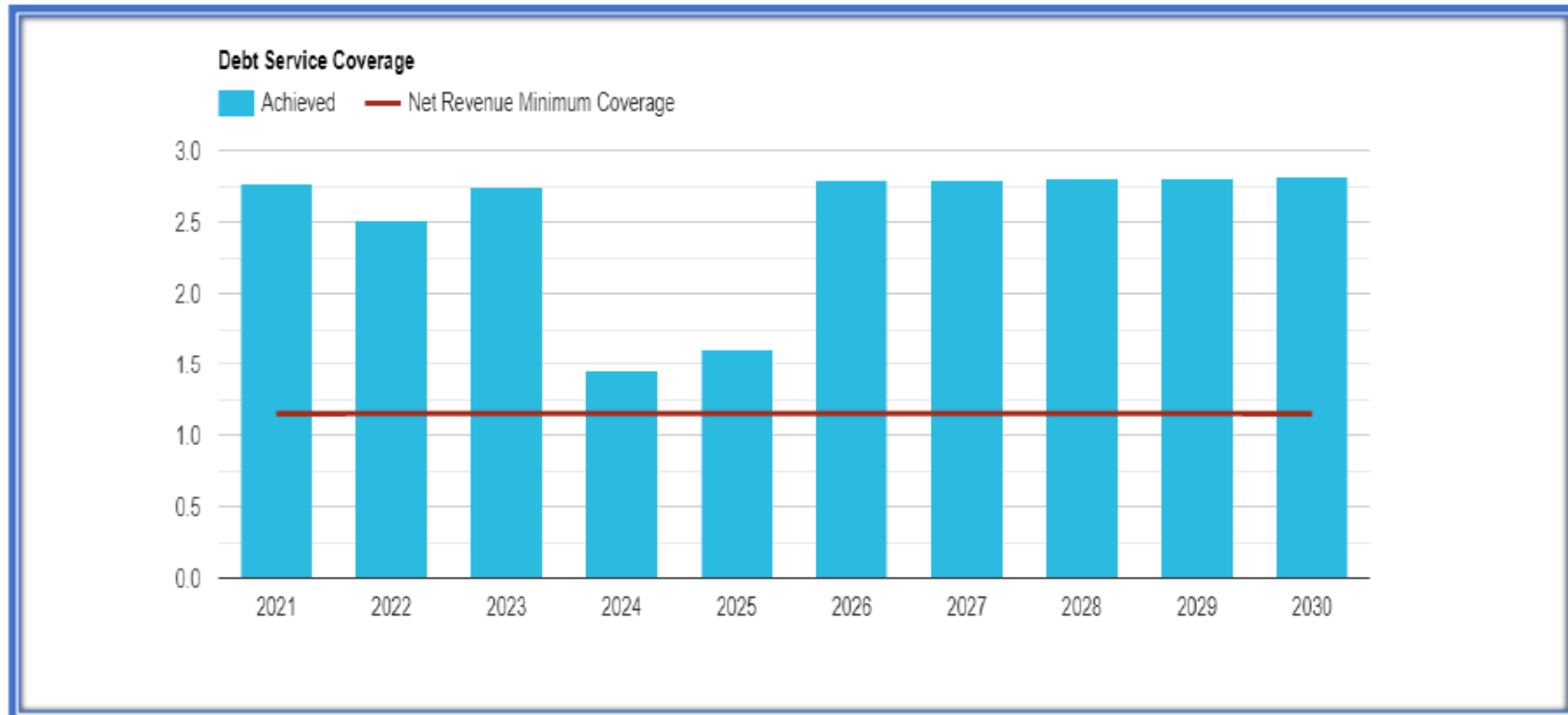
Eagle Lake, City of  
 Scenario 1 Eagle Lake DW&WW FY21 (Full Loan)  
 Fiscal Year: 2021  
 Adjustments & Graphs Pg 2  
 Drinking Water Revenue Requirements



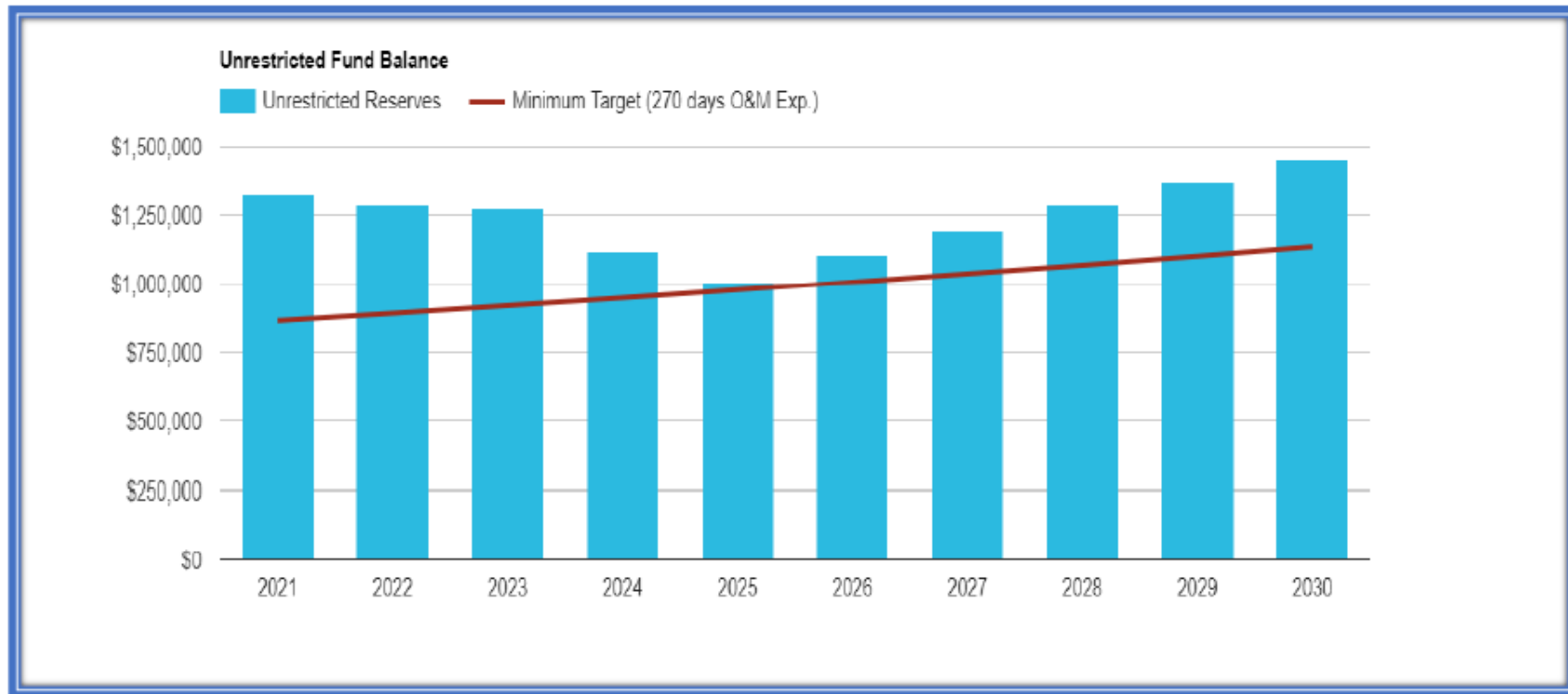
Eagle Lake, City of  
 Scenario 1 Eagle Lake DW&WW FY21 (Full Loan)  
 Fiscal Year: 2021  
 Adjustments & Graphs Pg 3  
 Wastewater Revenue Requirements



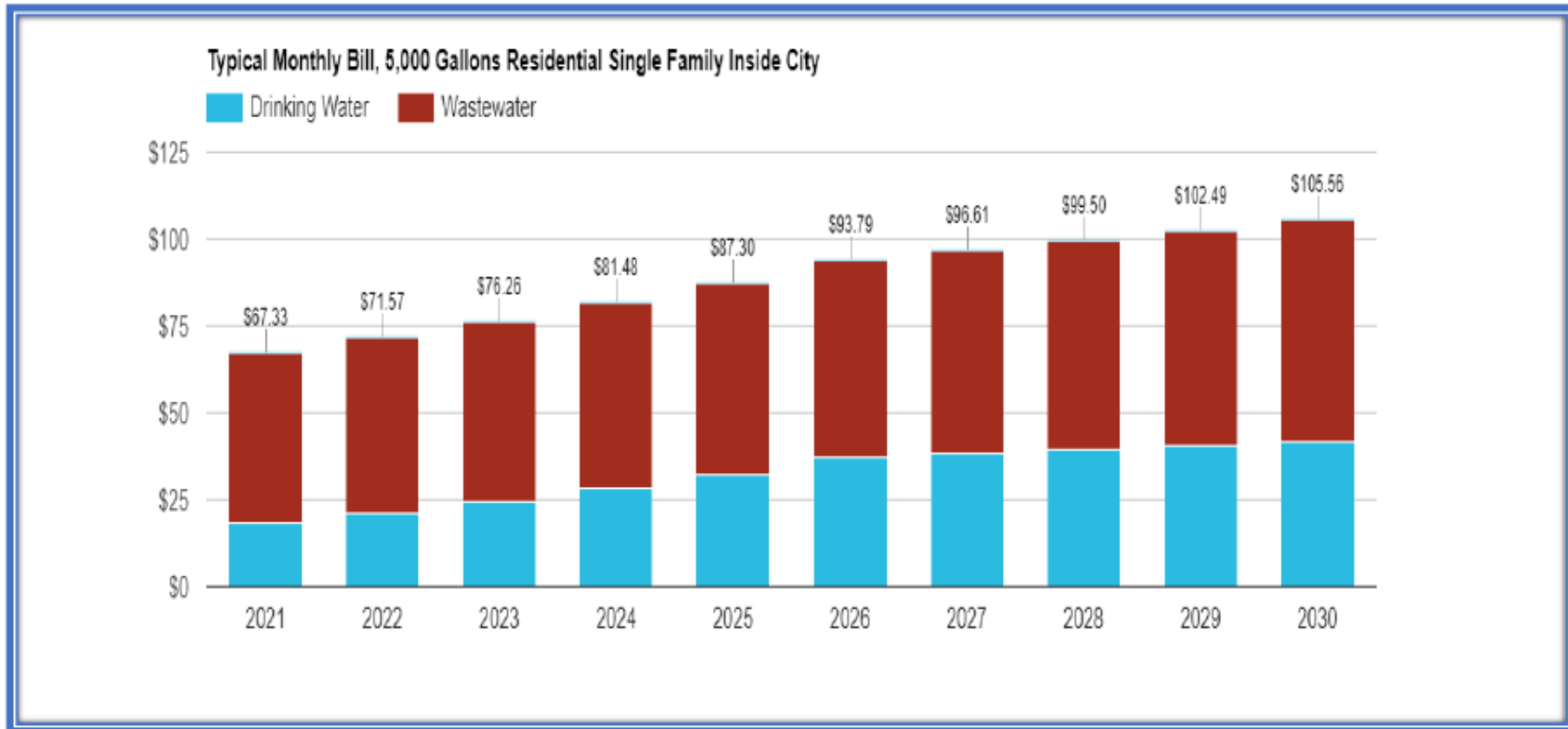
Eagle Lake, City of  
 Scenario 1 Eagle Lake DW&WW FY21 (Full Loan)  
 Fiscal Year: 2021  
 Adjustments & Graphs Pg 4  
 Debt Service Coverage



Eagle Lake, City of  
 Scenario 1 Eagle Lake DW&WW FY21 (Full Loan)  
 Fiscal Year: 2021  
 Adjustments & Graphs Pg 5  
 Unrestricted Fund Balance



Eagle Lake, City of  
 Scenario 1 Eagle Lake DW&WW FY21 (Full Loan)  
 Fiscal Year: 2021  
 Adjustments & Graphs Pg 6  
 Typical Monthly Bill, 5,000 Gallons Residential Single Family Inside City



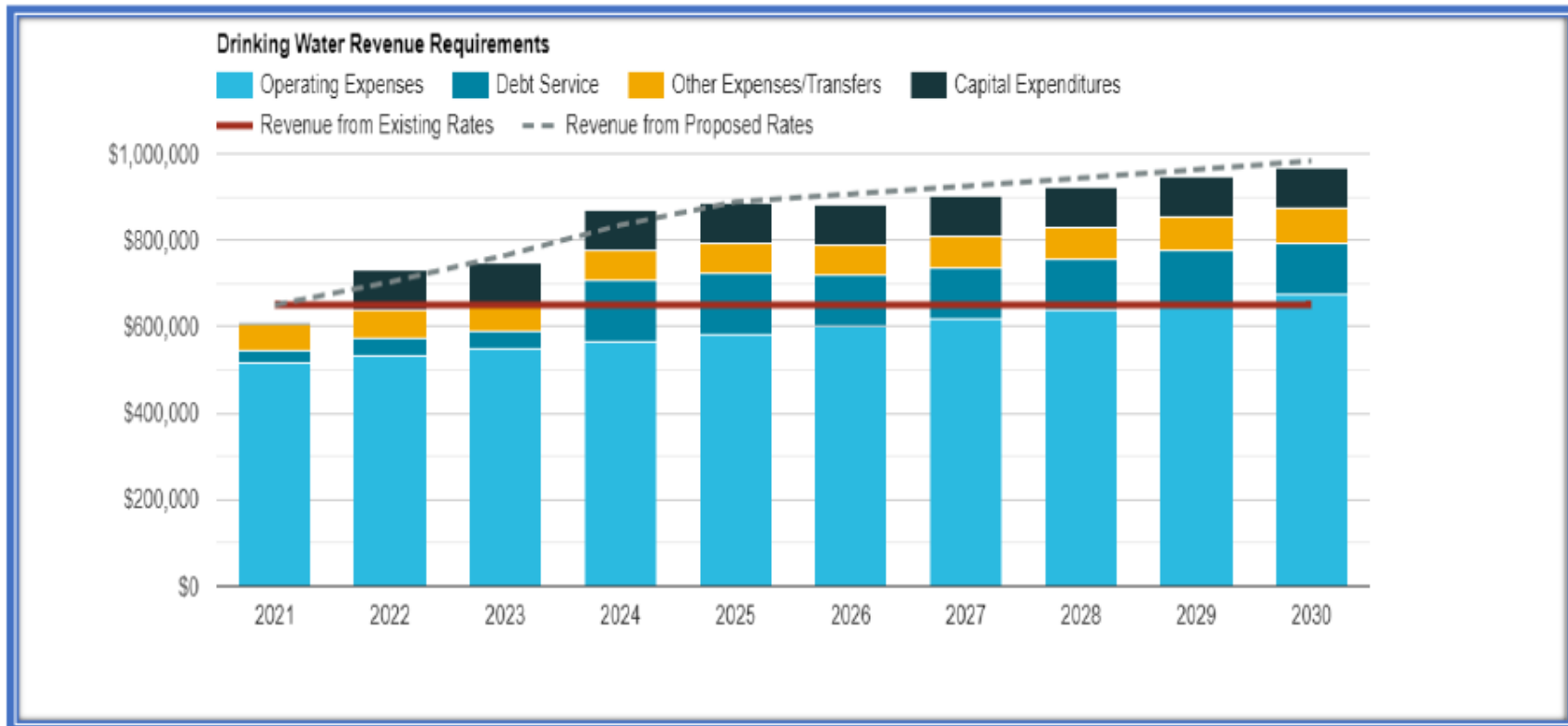


Eagle Lake, City of  
 Scenario 2 Eagle Lake DW&WW FY21 (50% SRF)  
 Fiscal Year: 2021  
 Adjustments & Graphs Pg 1  
 Proposed Rate Adjustments

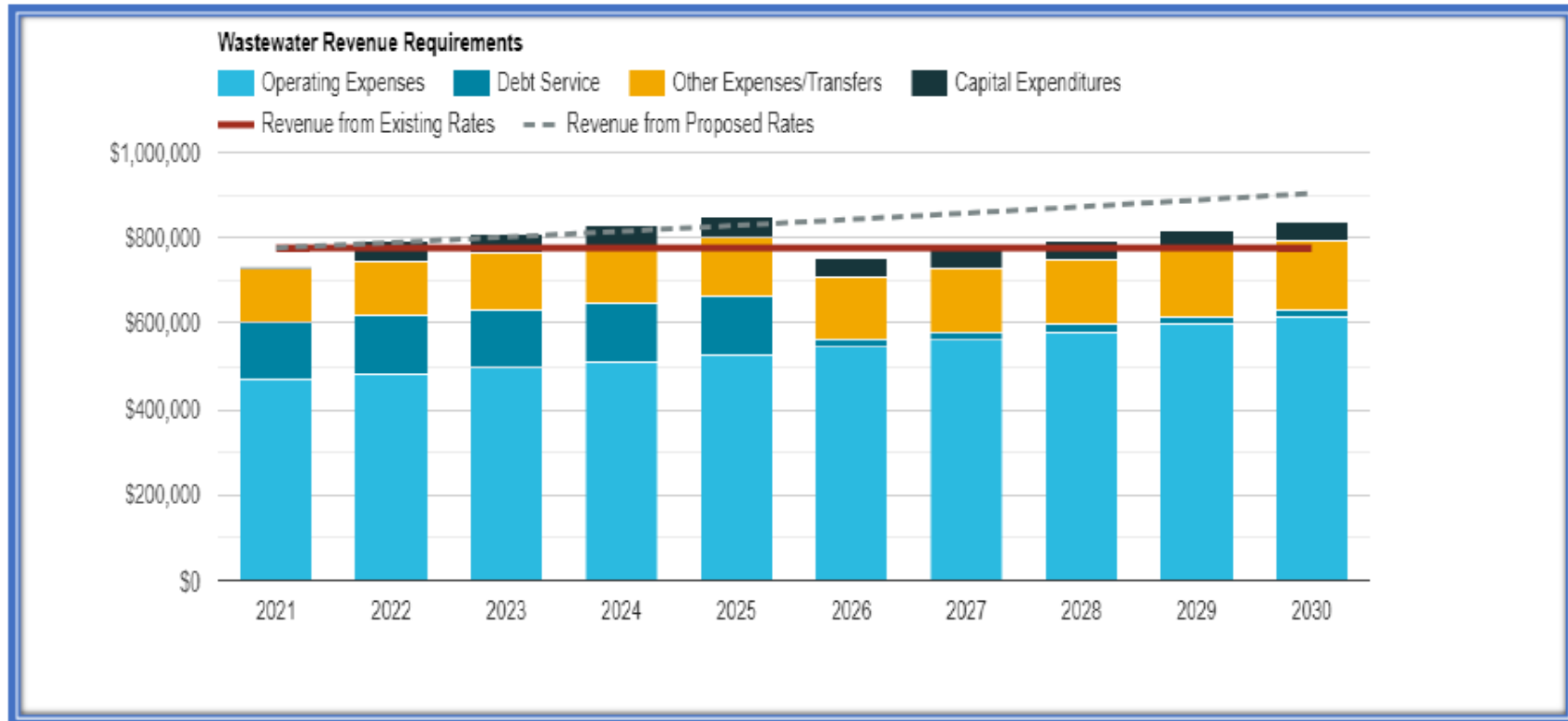
Adjustments ?										
	Fiscal Year									
	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
<b>Base Charge Adjustments</b>										
Drinking Water	0 %	15 %	15 %	15 %	10 %	3 %	3 %	3 %	3 %	3 %
Wastewater	0 %	3 %	3 %	3 %	3 %	3 %	3 %	3 %	3 %	3 %
<b>Usage Charge Adjustments</b>										
Drinking Water	0 %	15 %	15 %	15 %	10 %	3 %	3 %	3 %	3 %	3 %
Wastewater	0 %	3 %	3 %	3 %	3 %	3 %	3 %	3 %	3 %	3 %
<b>Connection and Usage Growth Adjustments</b>										
Drinking Water	- %	- %	- %	- %	- %	- %	- %	- %	- %	- %
Wastewater	- %	- %	- %	- %	- %	- %	- %	- %	- %	- %



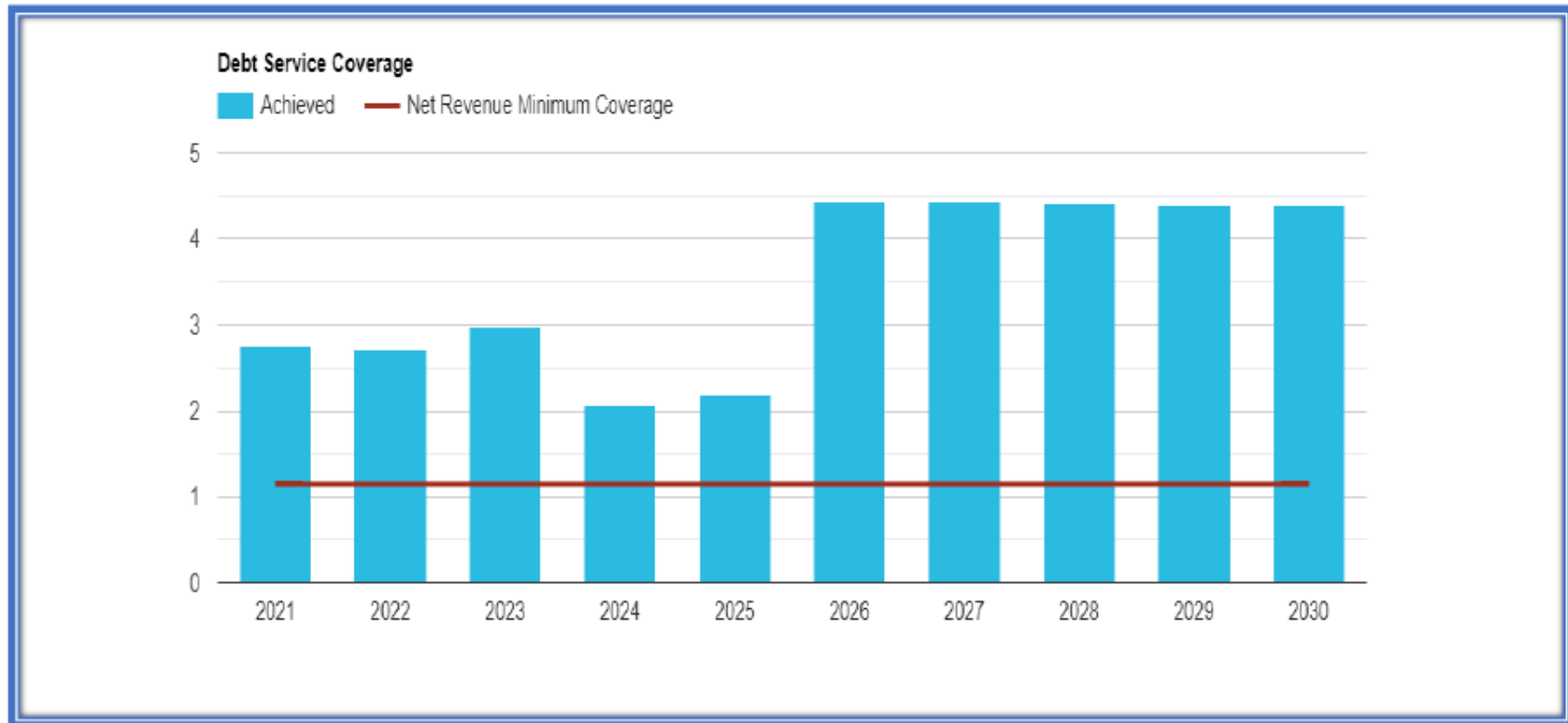
Eagle Lake, City of  
 Scenario 2 Eagle Lake DW&WW FY21 (50% SRF)  
 Fiscal Year: 2021  
 Adjustments & Graphs Pg 2  
 Water Revenue Requirements



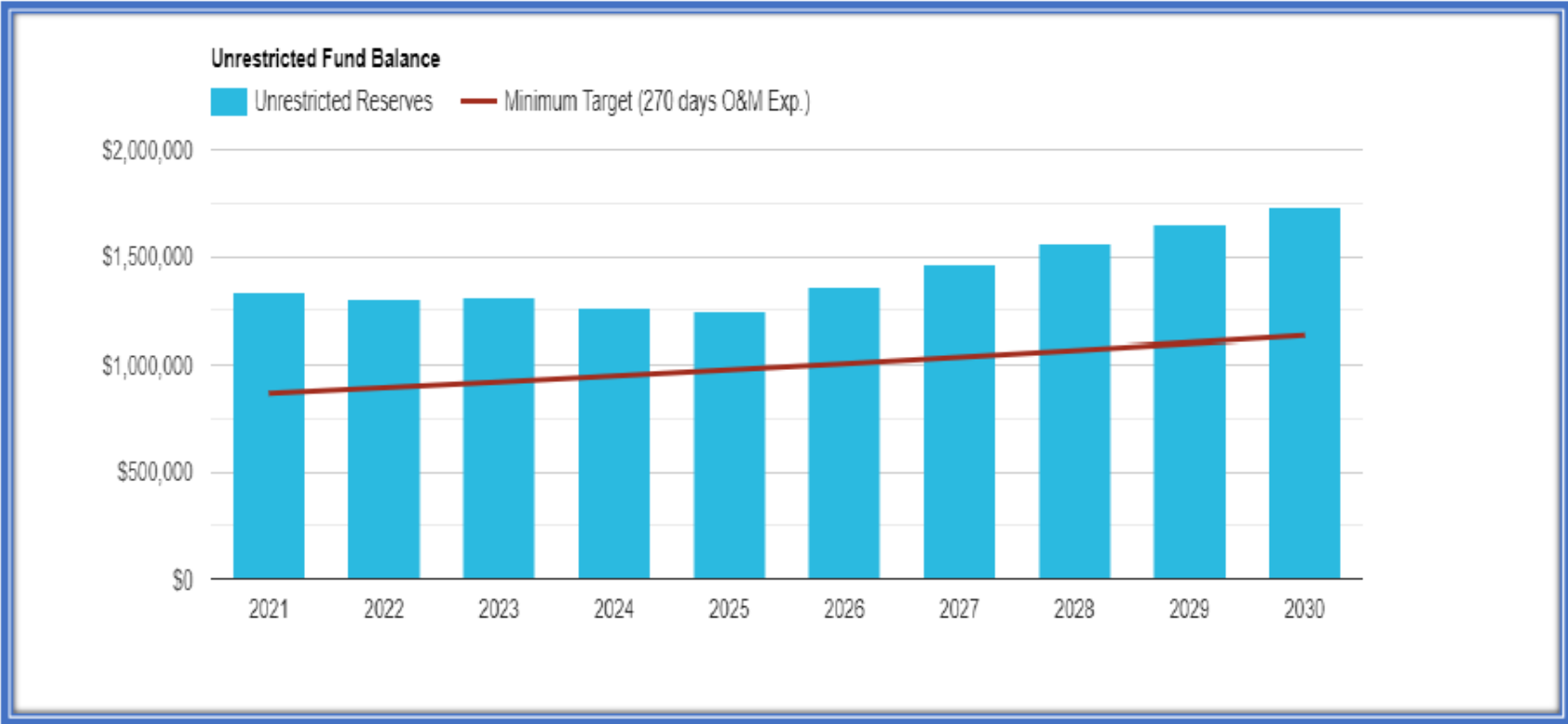
Eagle Lake, City of  
 Scenario 2 Eagle Lake DW&WW FY21 (50% SRF)  
 Fiscal Year: 2021  
 Adjustments & Graphs Pg 3  
 Wastewater Revenue Requirements



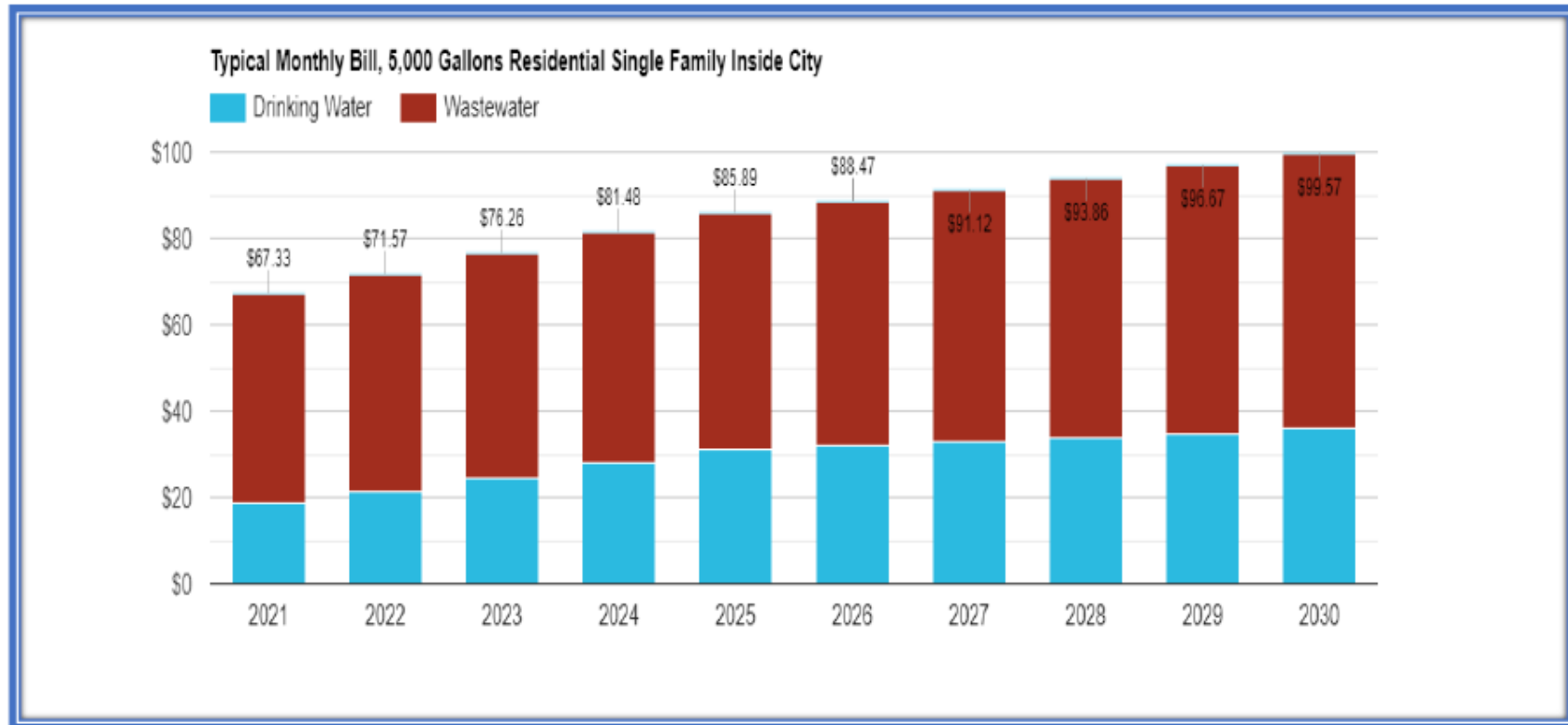
Eagle Lake, City of  
 Scenario 2 Eagle Lake DW&WW FY21 (50% SRF)  
 Fiscal Year: 2021  
 Adjustments & Graphs Pg 4  
 Debt Service Coverage



Eagle Lake, City of  
Scenario 2 Eagle Lake DW&WW FY21 (50% SRF)  
Fiscal Year: 2021  
Adjustments & Graphs Pg 5  
Unrestricted Fund Balance



Eagle Lake, City of  
 Scenario 2 Eagle Lake DW&WW FY21 (50% SRF)  
 Fiscal Year: 2021  
 Adjustments & Graphs Pg 6  
 Typical Monthly Bill, 5,000 Gallons Residential Single Family Inside City



**FDEP Rule 62-552.700(7), F.A.C.****ASSET MANAGEMENT PLAN**

(7) Asset Management Plans. Loan recipients are encouraged to implement an asset management plan to promote long term sustainability of the system. To be accepted for the financing rate adjustment and to be eligible for reimbursement (*grants*), an asset management plan must be adopted by ordinance or resolution and written procedures must be in place to implement the plan and it shall be implemented timely. The plan must include each of the following:

- (a) Identification of all assets within the project sponsor's system;
- (b) An evaluation of the current age, condition, and anticipated useful life of each asset;
- (c) The current value of the assets;
- (d) The cost to operate and maintain all assets;
- (e) A capital improvement plan based on a survey of industry standards, life expectancy, life cycle analysis, and remaining useful life;
- (f) An analysis of funding needs;
- (g) An analysis of population growth and wastewater or stormwater flow projections, as applicable, for the sponsor's planning area, and a model, if applicable, for impact fees; commercial, industrial and residential rate structures; and industrial pretreatment fees and parameters;
- (h) The establishment of an adequate funding rate structure;
- (i) A threshold rate set to ensure the proper operation of the utility, if the sponsor transfers any of the utility proceeds to other funds, the rates must be set higher than the threshold rate to facilitate the transfer and proper operation of the utility; and,
- (j) A plan to preserve the assets; renewal, replacement, and repair of the assets as necessary, and a risk-benefit analysis to determine the optimum renewal or replacement time.

**Failure to adopt and implement the above plan prior to the final disbursement of the Loan will reduce the principal forgiveness percentage to 0%.**



## Master Inventory

Well 2 panel	1900	5,000	20	Moderate	Poor	High Risk - Immediate Attention
Well 2 disconnect	1900	500	20	Moderate	Poor	High Risk - Immediate Attention
Well 1 disconnect switch	1900	500	20	Moderate	Poor	High Risk - Immediate Attention
Well 1 breaker panel	1900	500	20	Moderate	Poor	High Risk - Immediate Attention
Green Acres control panel	1900	10,000	20	Moderate	Poor	High Risk - Immediate Attention
Green Acres breaker panel	1900	500	20	Moderate	Poor	High Risk - Immediate Attention
Well 1 motor	1900	8,000	20	Major	Poor	High Risk - Immediate Attention
Green Acres SCBA	1900	3,000	20	Moderate	Poor	High Risk - Immediate Attention
Green Acres PPE	1900	300	20	Moderate	Poor	High Risk - Immediate Attention
Green Acres well 1 auxiliary drive	1900	5,000	20	Moderate	Poor	High Risk - Immediate Attention
Well 1 pump	1900	8,000	20	Major	Poor	High Risk - Immediate Attention
wHyd-16	1900	3,500	50	Moderate	Poor	High Risk - Immediate Attention
wHyd-18	1975	3,500	50	Moderate	Poor	High Risk - Immediate Attention
wHyd-39	1985	3,500	50	Moderate	Poor	High Risk - Immediate Attention
wHyd-46	1985	3,500	50	Moderate	Poor	High Risk - Immediate Attention
wHyd-47	1900	3,500	50	Moderate	Poor	High Risk - Immediate Attention





wHyd-65	1900	3,500	50	Moderate	Poor	High Risk - Immediate Attention
wHyd-67	1900	3,500	50	Moderate	Poor	High Risk - Immediate Attention
wHyd-74	1900	3,500	50	Moderate	Poor	High Risk - Immediate Attention
wHyd-77	1900	3,500	50	Moderate	Poor	High Risk - Immediate Attention
wHyd-79	1900	3,500	50	Moderate	Poor	High Risk - Immediate Attention
wHyd-86	1900	3,500	50	Moderate	Poor	High Risk - Immediate Attention
wHyd-88	1900	3,500	50	Moderate	Poor	High Risk - Immediate Attention
wHyd-99	1988	3,500	50	Moderate	Poor	High Risk - Immediate Attention
wHyd-104	1988	3,500	50	Moderate	Poor	High Risk - Immediate Attention
wHyd-109	2003	3,500	50	Moderate	Poor	High Risk - Immediate Attention
wHyd-130	1989	3,500	50	Moderate	Poor	High Risk - Immediate Attention
wwValvInFac-24	2013	1,200	25	Moderate	Poor	High Risk - Immediate Attention
wwValvInFac-26	1985	1,200	25	Moderate	Poor	High Risk - Immediate Attention
wwValvInFac-82	2020	1,200	25	Moderate	Poor	Low Risk – Routine Monitoring
S Terrace Dr End E	Unknown	1,200	25	Moderate	poor	High Risk - Immediate Attention
S Terrace & Second Dr	Unknown	1,200	25	Moderate	poor	High Risk - Immediate Attention
S Terrace Dr & Felton St W	Unknown	1,200	25	Moderate	poor	High Risk - Immediate Attention



S Shore Dr. & Lynn St	Unknown	1,200	25	Moderate	poor	High Risk - Immediate Attention
540 & Eagle Lake Rd	Unknown	1,600	25	Moderate	poor	High Risk - Immediate Attention
RaceTrac E	Unknown	1,200	25	Moderate	poor	High Risk - Immediate Attention
Cooley Rd & W Assembly St	Unknown	400	25	Moderate	poor	High Risk - Immediate Attention
N 3rd St & Gilbert St	Unknown	1,200	25	Moderate	Failed	High Risk - Immediate Attention
Gilbert St N of 4th A	Unknown	1,200	25	Moderate	poor	High Risk - Immediate Attention
Eagle Lake off 17 N Rear	Unknown	1,200	25	Moderate	poor	High Risk - Immediate Attention
Across from Living Waters Church	Unknown	1,200	25	Moderate	Failed	High Risk - Immediate Attention
E Eagle near N 10th	Unknown	2,000	25	Moderate	poor	High Risk - Immediate Attention
N 11th and Eagle	Unknown	800	25	Moderate	poor	High Risk - Immediate Attention
1245 E Eagle 01	Unknown	1,200	25	Moderate	poor	High Risk - Immediate Attention
Gerber Dairy and Thomas 02	Unknown	1,200	25	Moderate	poor	High Risk - Immediate Attention
405 Squires Grove	Unknown	1,600	25	Moderate	poor	High Risk - Immediate Attention
Squires Grove and Fall Glo west	Unknown	1,600	25	Moderate	poor	High Risk - Immediate Attention
Lift station 2 can/dry well	Unknown		50	Moderate	Good	High Risk - Immediate Attention
Lift station 5 dry well	Unknown		50	Moderate	Average	High Risk - Immediate Attention
Lift station 5 main disconnect	1900	500	20	Moderate	Poor	High Risk - Immediate Attention



Lift station 6 main disconnect	1900	500	20	Moderate	Poor	High Risk - Immediate Attention
Lift station 6 control panel	1900	3,000	20	Moderate	Poor	High Risk - Immediate Attention
Lift station 2 control panel	1900	5,000	20	Moderate	Unknown	Medium Risk - Increased Monitoring
Lift station 5 control panel	1900		20	Moderate	Unknown	Medium Risk - Increased Monitoring
Lift station 2 pump 1	1900	5,000	20	Moderate	Unknown	Medium Risk - Increased Monitoring
Lift station 2 pump 2	1900	5,000	20	Moderate	Unknown	Medium Risk - Increased Monitoring
Lift station 5 pump 1	1900	5,000	20	Moderate	Unknown	Medium Risk - Increased Monitoring
Lift station 5 pump 2	1900	5,000	20	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-02	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-11	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-20	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-23	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-24	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-25	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-26	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-34	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-45	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring



wwManH-46	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-47	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-48	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-49	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-50	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-51	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-52	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-53	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-54	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-55	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-56	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-57	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-58	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-59	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-68	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-69	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-70	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring



wwManH-71	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-72	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-77	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-78	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-79	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-80	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-81	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
wwManH-82	Unknown	3,500	50	Moderate	Unknown	Medium Risk - Increased Monitoring
WTP building	1900	11,250	50	Moderate	Average	Low Risk – Routine Monitoring
Well 2 building	1900	4,000	50	Moderate	Average	Low Risk – Routine Monitoring
Well 2 building	1900	9,000	50	Moderate	Average	Low Risk – Routine Monitoring
Green Acres building	1900	22,500	50	Moderate	Average	Low Risk – Routine Monitoring
Workshop	1900	150,000	50	Moderate	Average	Low Risk – Routine Monitoring
Storage	1900	75,000	50	Moderate	Average	Low Risk – Routine Monitoring
Green Acres well 2 air release	1900	500	20	Moderate	Average	Low Risk – Routine Monitoring
Genset	2006	40,000	20	Moderate	Good	Low Risk – Routine Monitoring
Transfer switch	2006	5,000	20	Moderate	Good	Low Risk – Routine Monitoring



Vacuum alarm system panel	1900	500	20	Moderate	Average	Low Risk – Routine Monitoring
Well control center	1900	10,000	20	Moderate	Average	Low Risk – Routine Monitoring
WTP breaker panel	1900	750	20	Moderate	Average	Low Risk – Routine Monitoring
Green Acres well 2 disconnect	1900	500	20	Moderate	Average	Low Risk – Routine Monitoring
Green Acres transformer	1900	500	20	Moderate	Average	Low Risk – Routine Monitoring
Green Acres battery charger	1900	200	20	Moderate	Average	Low Risk – Routine Monitoring
Green Acres surge protector	1900	1,000	20	Moderate	Average	Low Risk – Routine Monitoring
Portable generator	1900	700	20	Moderate	Average	Low Risk – Routine Monitoring
Portable generator	1900	700	20	Moderate	Average	Low Risk – Routine Monitoring
Portable generator	1900	1,200	20	Moderate	Average	Low Risk – Routine Monitoring
Portable generator	1900	3,500	20	Moderate	Average	Low Risk – Routine Monitoring
Portable generator	1900	3,500	20	Moderate	Average	Low Risk – Routine Monitoring
Portable generator	1900	1,100	20	Moderate	Average	Low Risk – Routine Monitoring
Portable generator	1900	1,100	20	Moderate	Average	Low Risk – Routine Monitoring
Green Acres Hydro Tank	1900	40,000	30	Major	Good	Low Risk – Routine Monitoring
Dual chlorine scales	1900	500	20	Moderate	Average	Low Risk – Routine Monitoring
RTU	1900	1,400	20	Moderate	Average	Low Risk – Routine Monitoring



Well 1 flow meter	1900	3,500	20	Moderate	Average	Low Risk – Routine Monitoring
Green Acres dual chlorine scales	1900	500	20	Moderate	Average	Low Risk – Routine Monitoring
Green Acres auto dialer	1900	500	20	Moderate	Average	Low Risk – Routine Monitoring
Green Acres chart recorder	1900	700	20	Moderate	Average	Low Risk – Routine Monitoring
Flow meter	1900	3,000	20	Moderate	Average	Low Risk – Routine Monitoring
Booster pump motor	1900	500	20	Moderate	Average	Low Risk – Routine Monitoring
HSP 1 motor	1900	4,000	20	Major	Average	Low Risk – Routine Monitoring
HSP 2 motor	1900	4,000	20	Major	Average	Low Risk – Routine Monitoring
Well 2 motor	1900	9,000	20	Major	Average	Low Risk – Routine Monitoring
Green Acres well 1 motor	1900	6,000	20	Major	Average	Low Risk – Routine Monitoring
Chlorine room exhaust fan	1900	500	20	Moderate	Average	Low Risk – Routine Monitoring
Chlorine alarm	1900	1,000	20	Moderate	Average	Low Risk – Routine Monitoring
Well 1 backflow assembly	1900	3,000	20	Moderate	Good	Low Risk – Routine Monitoring
Green Acres chlorine repair kit	1900	2,500	20	Moderate	Average	Low Risk – Routine Monitoring
Portable heater	1900	500	20	Moderate	Average	Low Risk – Routine Monitoring
Portable table saw	1900	500	20	Moderate	Average	Low Risk – Routine Monitoring
Ice machine	1900	5,000	20	Moderate	Average	Low Risk – Routine Monitoring



20 ton press	1900	600	20	Moderate	Average	Low Risk – Routine Monitoring
200 Amp charger	1900	300	20	Moderate	Average	Low Risk – Routine Monitoring
48" fan	1900	600	20	Moderate	Average	Low Risk – Routine Monitoring
Tool cabinet	1900	2,000	20	Moderate	Average	Low Risk – Routine Monitoring
Chop saw	1900	1,500	20	Moderate	Average	Low Risk – Routine Monitoring
Roto roter machine	1900	3,000	20	Moderate	Average	Low Risk – Routine Monitoring
Chop saw	1900	1,500	20	Moderate	Average	Low Risk – Routine Monitoring
Portable pump	1900	2,000	20	Moderate	Average	Low Risk – Routine Monitoring
Zero turn mower	1900	7,500	20	Moderate	Average	Low Risk – Routine Monitoring
Zero turn mower	1900	7,500	20	Moderate	Average	Low Risk – Routine Monitoring
Zero turn mower	1900	7,500	20	Moderate	Average	Low Risk – Routine Monitoring
Backhoe	1900	100,000	20	Moderate	Good	Low Risk – Routine Monitoring
Bush hog	1900	5,000	20	Moderate	Good	Low Risk – Routine Monitoring
Tractor	1900	30,000	20	Moderate	Average	Low Risk – Routine Monitoring
Pressure washer	1900	500	20	Moderate	Average	Low Risk – Routine Monitoring
Lift	1900	15,000	20	Moderate	Average	Low Risk – Routine Monitoring
Portable pump	1900	15,000	20	Moderate	Good	Low Risk – Routine Monitoring





Trailer	1900	3,500	20	Moderate	Average	Low Risk – Routine Monitoring
Tiller	1900	3,500	20	Moderate	Average	Low Risk – Routine Monitoring
Hoist	1900	5,000	20	Moderate	Good	Low Risk – Routine Monitoring
Dump truck	1900	100,000	20	Moderate	Average	Low Risk – Routine Monitoring
Zero turn mower	1900	7,500	20	Moderate	Average	Low Risk – Routine Monitoring
Riding mower	1900	1,750	20	Moderate	Average	Low Risk – Routine Monitoring
Welder	1900	4,500	20	Moderate	Average	Low Risk – Routine Monitoring
Chlorine booster pump	1900	1,250	20	Moderate	Average	Low Risk – Routine Monitoring
HSP 1	1900	2,000	20	Major	Average	Low Risk – Routine Monitoring
HSP 2	1900	2,000	20	Major	Average	Low Risk – Routine Monitoring
Well 2 pump	1900	8,000	20	Major	Average	Low Risk – Routine Monitoring
Green Acres well 2 pump	1900	10,000	20	Major	Average	Low Risk – Routine Monitoring
Green Acres well 1 pump	1900	8,000	20	Major	Average	Low Risk – Routine Monitoring
Green Acres chlorine booster pump 1	1900	1,200	20	Moderate	Average	Low Risk – Routine Monitoring
Green Acres chlorine booster pump 2	1900	1,200	20	Moderate	Average	Low Risk – Routine Monitoring
WTP Fence	1900	8,000	20	Moderate	Average	Low Risk – Routine Monitoring
Green Acres WTP fence	1900	5,000	20	Moderate	Average	Low Risk – Routine Monitoring



Elevated Storage Tank	1975	500,000	30	Major	Average	Low Risk – Routine Monitoring
Ground Storage Tank	1975	500,000	30	Major	Average	Low Risk – Routine Monitoring
Green Acres propane tank	1984	3,000	30	Major	Average	Low Risk – Routine Monitoring
Chlorinator 1	1900	1,500	25	Moderate	Average	Low Risk – Routine Monitoring
Chlorinator 2	1900	1,500	25	Moderate	Average	Low Risk – Routine Monitoring
Green Acres chlorinator 1	1900	1,500	25	Moderate	Average	Low Risk – Routine Monitoring
Green Acres chlorinator 2	1900	1,500	25	Moderate	Average	Low Risk – Routine Monitoring
Green Acres chlorine room exhaust fan	1900	500	25	Moderate	Average	Low Risk – Routine Monitoring
Green Acres compressor	1900	500	25	Moderate	Average	Low Risk – Routine Monitoring
Portable compressor	1900	500	25	Moderate	Average	Low Risk – Routine Monitoring
Compressor	1900	3,000	25	Moderate	Good	Low Risk – Routine Monitoring
Compressor	1900	500	25	Moderate	Average	Low Risk – Routine Monitoring
Compressor	1900	2,500	25	Moderate	Average	Low Risk – Routine Monitoring
Well 1	1924	40,000	50	Major	Average	Low Risk – Routine Monitoring
Well 2	1965	48,000	50	Major	Average	Low Risk – Routine Monitoring
Green Acres Well 3	2014	32,000	50	Moderate	Good	Low Risk – Routine Monitoring
Green Acres Well 2	1985	40,000	50	Moderate	Average	Low Risk – Routine Monitoring



Hsp valve 1	1900	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
HSP valve 2	1900	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
HSP valve 3	1900	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
Well 2 check valve	1900	1,600	25	Moderate	Good	Low Risk – Routine Monitoring
Well 2 discharge valve	1900	1,600	25	Moderate	Good	Low Risk – Routine Monitoring
Well 1 check valve	1900	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
Well 1 discharge valve	1900	1,200	25	Moderate	Good	Low Risk – Routine Monitoring
Green Acres well 2 check valve	1900	800	25	Moderate	Good	Low Risk – Routine Monitoring
Green Acres hydro tank valve 1	1900	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
Green Acres hydro tank valve 2	1900	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
Green Acres hydro tank drain valve	1900	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wHyd-1	1978	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-2	1978	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-3	1991	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-4	2021	3,500	50	Moderate	Excellent	Low Risk – Routine Monitoring
wHyd-5	1965	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-6	1965	3,500	50	Moderate	Average	Low Risk – Routine Monitoring



wHyd-7	1965	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-8	1965	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-9	1959	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-10	1965	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-11	1973	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-12	1989	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-13	1900	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-14	1900	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-15	1989	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-17	2021	3,500	50	Moderate	Excellent	Low Risk – Routine Monitoring
wHyd-19	2021	3,500	50	Moderate	Excellent	Low Risk – Routine Monitoring
wHyd-20	1975	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-21	1975	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-22	2006	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-23	2005	3,500	50	Moderate	Good	Low Risk – Routine Monitoring
wHyd-24	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-25	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring



wHyd-26	2006	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-27	2006	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-28	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-29	2013	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-30	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-31	2013	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-32	2014	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-33	1987	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-34	1900	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-35	1900	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-36	2013	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-37	1987	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-38	1987	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-40	1985	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-41	1900	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-42	1900	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-43	1900	3,500	50	Moderate	Average	Low Risk – Routine Monitoring



wHyd-44	1900	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-45	1900	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-48	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-49	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-50	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-51	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-52	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-53	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-54	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-55	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-56	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-57	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-58	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-59	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-60	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-61	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-62	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring



wHyd-63	1900	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-64	1900	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-66	1965	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-68	1965	3,500	50	Major	Good	Low Risk – Routine Monitoring
wHyd-69	1965	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-70	1965	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-71	1964	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-72	2008	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-73	1978	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-75	1900	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-76	1973	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-78	1976	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-81	1965	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-82	2000	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-83	1965	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-84	1973	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-85	1965	3,500	50	Moderate	Average	Low Risk – Routine Monitoring



wHyd-87	1979	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-89	2020	3,500	50	Moderate	Excellent	Low Risk – Routine Monitoring
wHyd-90	1978	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-91	2020	3,500	50	Moderate	Excellent	Low Risk – Routine Monitoring
wHyd-92	1965	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-93	1972	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-94	1972	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-95	2020	3,500	50	Moderate	Excellent	Low Risk – Routine Monitoring
wHyd-96	1988	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-97	1988	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-98	1988	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-100	1988	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-101	1988	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-102	1988	3,500	50	Moderate	Good	Low Risk – Routine Monitoring
wHyd-103	2001	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-105	2003	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-106	2003	3,500	50	Moderate	Average	Low Risk – Routine Monitoring





wHyd-107	2003	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-108	2003	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-110	2003	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-111	2003	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-112	1992	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-113	1999	3,500	50	Major	Average	Low Risk – Routine Monitoring
wHyd-114	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-115	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-116	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-117	2000	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-118	2011	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-119	1965	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-120	1989	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-121	1989	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-122	1989	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-123	1989	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-124	1989	3,500	50	Moderate	Average	Low Risk – Routine Monitoring



wHyd-125	1989	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-126	2000	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-127	1989	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-128	1978	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-129	1989	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-131	1989	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-132	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-133	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-134	2005	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-135	2020	3,500	50	Moderate	Excellent	Low Risk – Routine Monitoring
wHyd-136	2020	3,500	50	Moderate	Excellent	Low Risk – Routine Monitoring
wHyd-137	2007	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-138	1999	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-139	2000	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-140	1965	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-141	2000	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wHyd-142	2000	3,500	50	Moderate	Average	Low Risk – Routine Monitoring



wHyd-143	1999	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-01	1978	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-02	1978	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-03	1991	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-04	2021	1,200	25	Moderate	Excellent	Low Risk – Routine Monitoring
wwValvInFac-05	1965	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-06	1965	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-07	1965	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-08	1965	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-09	1989	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-10	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-11	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-12	1989	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-13	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-14	2021	1,200	25	Moderate	Excellent	Low Risk – Routine Monitoring
wwValvInFac-15	2021	1,200	25	Moderate	Excellent	Low Risk – Routine Monitoring
wwValvInFac-16	2006	1,200	25	Moderate	Average	Low Risk – Routine Monitoring



wwValvInFac-17	2005	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-18	2006	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-19	2006	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-20	2005	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-21	2013	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-22	2005	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-23	2013	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-25	1987	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-27	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-28	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-29	2005	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-30	2005	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-31	2005	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-32	2005	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-33	2005	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-34	2005	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-35	2005	1,200	25	Moderate	Average	Low Risk – Routine Monitoring



wwValvInFac-36	2005	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-37	2005	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-38	2005	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-39	2005	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-40	2005	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-41	2005	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-42	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-44	1965	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-46	1965	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-47	2000	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-48	1965	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-50	2020	1,200	25	Moderate	Excellent	Low Risk – Routine Monitoring
wwValvInFac-51	1978	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-52	2020	1,200	25	Moderate	Excellent	Low Risk – Routine Monitoring
wwValvInFac-53	1972	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-54	2020	1,200	25	Moderate	Excellent	Low Risk – Routine Monitoring
wwValvInFac-55	1988	1,200	25	Moderate	Average	Low Risk – Routine Monitoring



wwValvInFac-56	1988	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-57	2003	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-58	2003	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-59	2003	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-60	2003	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-61	2003	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-62	2003	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-63	1999	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-64	2000	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-65	2011	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-66	1965	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-67	1989	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-68	1989	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-69	1989	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-70	1989	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-71	1989	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-72	2000	1,200	25	Moderate	Average	Low Risk – Routine Monitoring



wwValvInFac-73	1989	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-74	1978	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-75	1989	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-76	1989	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-77	1989	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-78	2005	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-79	2005	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-80	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-81	2020	1,200	25	Moderate	Excellent	Low Risk – Routine Monitoring
wwValvInFac-83	1999	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-84	1965	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-85	2000	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
wwValvInFac-86	2000	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
W. Marshall & S 3rd St.	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
W Crystal Beach Rd. @ S Tangerine Ct.	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
W Crystal Beach Rd. @ S Tangerine 2	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
W Crystal Beach Rd & S Avocado Ct.	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring



W Brookins Ave & S 3rd St.	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
W McLeod Ave & S 3rd St	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
W McLeod Ave A	Unknown	400	25	Moderate	Average	Low Risk – Routine Monitoring
W McLeod Ave B	Unknown	400	25	Moderate	Average	Low Risk – Routine Monitoring
W McLeod Ave C	Unknown	1,900	25	Moderate	Average	Low Risk – Routine Monitoring
Lake Ave & S 3rd St	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
Lake Ave A	Unknown	400	25	Moderate	Average	Low Risk – Routine Monitoring
Lake Ave & S 2nd St	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
S 2nd St @ Well 2	Unknown	2,000	25	Moderate	Average	Low Risk – Routine Monitoring
S 2nd St across from shop	Unknown	2,000	25	Moderate	Average	Low Risk – Routine Monitoring
S Bingham St @ 3rd Ct	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
S Bingham near S Shore Dr.	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
S Bingham St & S Shore Dr	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
3rd Ct End	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
S Bingham St & Felton St	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
East of 2nd Dr	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
Second Dr. SE	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring





Second Dr S	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
Second Dr SW	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
S Terrace Dr W of Second Dr.	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
S Terrace Dr End W	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
S Terrace Dr & Felton St E	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
W Central Ave mid	Unknown	400	25	Moderate	Average	Low Risk – Routine Monitoring
N 3rd St & W Eagle Ave	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
S 4th St & W Eagle Ave	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
N 2nd St & W Eagle Ave	Unknown	1,200	25	Moderate	Excellent	Low Risk – Routine Monitoring
W Eagle Ave Mid A	Unknown	400	25	Moderate	Excellent	Low Risk – Routine Monitoring
W Eagle Ave mid B	Unknown	400	25	Moderate	Average	Low Risk – Routine Monitoring
N 1st St & W Eagle Ave	Unknown	1,200	25	Moderate	Excellent	Low Risk – Routine Monitoring
N Eagle Dr & Gilbert St	Unknown	1,200	25	Moderate	Excellent	Low Risk – Routine Monitoring
N Eagle Dr & Gilbert St E	Unknown	400	25	Moderate	Excellent	Low Risk – Routine Monitoring
N Eagle Dr & Gilbert St W	Unknown	400	25	Moderate	Excellent	Low Risk – Routine Monitoring
Old 9 Foot Rd & W Assembly St S	Unknown	2,000	25	Moderate	Excellent	Low Risk – Routine Monitoring
Old 9 Foot Rd & W Assembly St N	Unknown	800	25	Moderate	Excellent	Low Risk – Routine Monitoring



Old 9 Foot Rd N A	Unknown	2,000	25	Moderate	Excellent	Low Risk – Routine Monitoring
Old 9 Foot Rd N B	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
540 Near Old 9 Foot Rd	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
540 W of Cooley Rd B	Unknown	1,600	25	Moderate	Excellent	Low Risk – Routine Monitoring
540 W of Cooley Rd A	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
540 & Cooley Rd A	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
540 & Cooley Rd B	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
540 Near Tracks	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
540 & 17	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
RaceTrac W	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
Cooley Rd N of W Assembly	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
Cooley Rd S of L/S	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
Gilbert St N of 4th B	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
W. Eagle Ave. & N. 1st St.	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
534 Old 9 Foot Rd.	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
N. 3rd St. & W. Willow Ave.	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
Across from from Badcock 1	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring



Across from Badcock 2	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
Cameron and Shaw	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
Cameron and Gilbert south	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
Cameron and Gilbert north	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
Eagle Pines entrance	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
1842 Eagle Pines Circle	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
1770 Eagle Lake Circle	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
1722 Eagle Lake Circle	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
Clover Ridge Court entrance	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
Thunder Road	Unknown	2,000	25	Moderate	Average	Low Risk – Routine Monitoring
Gilbert and 17 north	Unknown	2,000	25	Moderate	Average	Low Risk – Routine Monitoring
N 10th and Old Gilbert 1	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
N 10th and Old Gilbert 2	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
N 10th near hydrant	Unknown	1,200	25	Moderate	Excellent	Low Risk – Routine Monitoring
N 10th at E Bay	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
N 10th and E Eagle	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
N 9th and E Pearce	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring



17 and n 9th Street	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
N 8th and E Eagle 2" 01	Unknown	400	25	Moderate	Average	Low Risk – Routine Monitoring
N 8th and E Eagle 2" 02	Unknown	400	25	Moderate	Excellent	Low Risk – Routine Monitoring
S 8th and E Eagle	Unknown	2,000	25	Moderate	Average	Low Risk – Routine Monitoring
N 7th St and N 8th	Unknown	400	25	Moderate	Average	Low Risk – Routine Monitoring
N 6th and Eagle	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
N 6th and Eagle 2	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
N 6th and Eagle 3	Unknown	800	25	Moderate	Average	Low Risk – Routine Monitoring
E Laurel and S 7th	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
S 7th and E Lake	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
S 7th and E Central	Unknown	800	25	Moderate	Average	Low Risk – Routine Monitoring
S 7th and E Central east	Unknown	800	25	Moderate	Average	Low Risk – Routine Monitoring
S 7th and E Central east 2	Unknown	800	25	Moderate	Average	Low Risk – Routine Monitoring
S 7th and Eagle 01	Unknown	400	25	Moderate	Average	Low Risk – Routine Monitoring
S 7th and Eagle 02	Unknown	400	25	Moderate	Average	Low Risk – Routine Monitoring
S 7th and Eagle 03	Unknown	2,000	25	Moderate	Average	Low Risk – Routine Monitoring
S 7th and Eagle north 01	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring



N 7th and Eagle Lake 02	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
N 7th and Eagle 03	Unknown	400	25	Moderate	Average	Low Risk – Routine Monitoring
840 Eagle Ave	Unknown	2,000	25	Moderate	Average	Low Risk – Routine Monitoring
N 12th and E Eagle	Unknown	800	25	Moderate	Average	Low Risk – Routine Monitoring
1245 E Eagle 02	Unknown	400	25	Moderate	Average	Low Risk – Routine Monitoring
1245 E Eagle south	Unknown	2,000	25	Moderate	Average	Low Risk – Routine Monitoring
Lake McLeod and Eagle Lake Loop	Unknown	2,000	25	Moderate	Average	Low Risk – Routine Monitoring
Lake McLeod and Thomas	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
Gerber Dairy and Thomas 01	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
Gerber Dairy and Thomas 03	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
Across from 405 Squires Grove	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
Squires Grove and Honey Bell	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
Eagle Lake Loop and Honey Bell	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
Grove Branch and Honey Bell	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
Grove Branch and Honey Bell	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
Grove Branch and Honey Bell east	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
Grove Branch and Honey Bell west	Unknown	1,600	25	Moderate	Excellent	Low Risk – Routine Monitoring



Squires Grove and Honey Bell	Unknown	1,600	25	Moderate	Excellent	Low Risk – Routine Monitoring
Squires Grove and Honey Bell east	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
633 Squires Grove	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
Grove Branch and Fall Glo	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
Fall Glo and Honey Bell 01	Unknown	1,600	25	Moderate	Excellent	Low Risk – Routine Monitoring
Honey Bell and Fall Glo	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
Honey Bell and Fall Glo 02	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
Gerber Dairy at Galloway	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
Green Acres bypass middle	Unknown	1,600	25	Moderate	Average	Low Risk – Routine Monitoring
Green Acres Bypass inlet	Unknown	2,000	25	Moderate	Average	Low Risk – Routine Monitoring
Green Acres Bypass outlet	Unknown	2,000	25	Moderate	Good	Low Risk – Routine Monitoring
Cuthone near Gerber Dairy	Unknown	1,200	25	Moderate	Good	Low Risk – Routine Monitoring
Vista Way and Lake Hills Lane	Unknown	1,200	25	Moderate	Good	Low Risk – Routine Monitoring
Vista Way and Lake Hills Lane north	Unknown	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
Lake Hills Lane at Vista View	Unknown	1,200	25	Moderate	Good	Low Risk – Routine Monitoring
Vista View at Lake Hills east	Unknown	1,200	25	Moderate	Good	Low Risk – Routine Monitoring
Vista View at Lake Hills west	Unknown	1,200	25	Moderate	Good	Low Risk – Routine Monitoring



Lift station 10 backflow	2006	300	25	Moderate	Average	Low Risk – Routine Monitoring
Lift station 1 d air release	2015	1,200	25	Moderate	Average	Low Risk – Routine Monitoring
Lift station 3 air release	2015	1,200	25	Moderate	Good	Low Risk – Routine Monitoring
Lift station 11 backflow	2005	300	25	Moderate	Average	Low Risk – Routine Monitoring
Lift station 10 valve pit	2006	7,500	50	Moderate	Good	Low Risk – Routine Monitoring
Lift station 7 flow meter pit	Unknown	3,000	50	Moderate	Good	Low Risk – Routine Monitoring
Lift station 7 valve pit	2004	5,000	50	Moderate	Good	Low Risk – Routine Monitoring
Lift station 8 valve pit	2005	5,000	50	Moderate	Good	Low Risk – Routine Monitoring
Lift station 8 flow meter pit	2005	3,000	50	Moderate	Average	Low Risk – Routine Monitoring
Lift station 11 valve pit	2005	5,000	50	Moderate	Average	Low Risk – Routine Monitoring
Lift station 11 meter pit	2005	10,000	50	Moderate	Average	Low Risk – Routine Monitoring
Lift station 6 valve pit	Unknown	3,000	50	Moderate	Average	Low Risk – Routine Monitoring
Lift station 9 valve pit	2006	5,000	50	Moderate	Average	Low Risk – Routine Monitoring
Lift station 10 main disconnect	2006	1,000	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 10 control panel	2006	7,500	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 7 flow meter control panel	1900	3,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 7 main disconnect	1900	1,000	20	Moderate	Average	Low Risk – Routine Monitoring



Lift station 7 control panel	2004	7,500	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 1 main disconnect	2015	1,000	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 1 surge protector 1	2015	5,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 1 surge protector 2	2015	5,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 1 transfer switch	2015	5,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 1 genset	2015	40,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 1 transformer	2015	3,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 1 control panel	2015	10,000	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 2 disconnect panel	1900	1,500	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 8 main disconnect	2005	1,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 8 control panel	2005	5,000	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 8 flow meter panel	2005	2,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 3 genset	2015	30,000	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 3 main disconnect	2015	500	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 3 transfer switch	2015	5,000	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 3 surge protector	2015	5,000	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 3 control panel	2015	7,500	20	Moderate	Good	Low Risk – Routine Monitoring





Lift station 11 main disconnect	2005	500	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 11 flow meter control	2005	4,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 11 control panel	2005	7,500	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 4 genset	2015	30,000	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 4 main disconnect	2015	1,000	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 4 transfer switch	2015	5,000	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 4 surge protector	2015	4,000	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 4 control panel	2015	7,500	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 9 main disconnect	2006	500	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 9 control panel	2006	7,500	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 7 flow meter	1900	4,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 1 flow meter	2015	7,500	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 8 flow meter	2005	3,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 10 pump 1	2006	5,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 10 pump 2	2006	5,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 7 pump 1	2004	10,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 7 pump 2	2004	10,000	20	Moderate	Average	Low Risk – Routine Monitoring



Lift station 1 pump 1	2015	20,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 1 pump 2	2015	20,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 1 pump 3	2015	20,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 8 pump 1	2005	12,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 8 pump 2	2005	12,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 3 pump 1	2015	10,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 3 pump 2	2015	10,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 11 pump 1	2005	25,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 11 pump 2	2005	25,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 4 pump 1	2015	10,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 4 pump 2	2015	10,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 6 pump 1	1900	5,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 6 pump 2	1900	5,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 9 pump 1	2006	10,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 9 pump 2	2006	10,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 10 fence	2006	2,400	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 7 fence	1900	2,400	20	Moderate	Average	Low Risk – Routine Monitoring



Lift station 1 fence	1900	4,000	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 6 fence	1900	2,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 4 fence	2015	2,000	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 8 fence	2005	3,000	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 9 fence	2006	3,500	20	Moderate	Average	Low Risk – Routine Monitoring
Lift station 11 fence	1900	2,500	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 3 fence	2015	2,000	20	Moderate	Good	Low Risk – Routine Monitoring
Lift station 10 wetwell	Unknown	30,000	50	Moderate	Average	Low Risk – Routine Monitoring
Lift station 7 wetwell	Unknown	20,000	50	Moderate	Average	Low Risk – Routine Monitoring
Lift station 1 wetwell	Unknown	50,000	50	Moderate	Good	Low Risk – Routine Monitoring
Lift station 2 wetwell	Unknown	20,000	50	Moderate	Average	Low Risk – Routine Monitoring
Lift station 8 wetwell	Unknown	30,000	50	Moderate	Good	Low Risk – Routine Monitoring
Lift station 3 wetwell	Unknown	30,000	50	Moderate	Good	Low Risk – Routine Monitoring
Lift station 11 wetwell	2005	50,000	50	Moderate	Average	Low Risk – Routine Monitoring
Lift station 5 wetwell	Unknown	40,000	50	Moderate	Average	Low Risk – Routine Monitoring
Lift station 4 wetwell	2015	40,000	50	Moderate	Good	Low Risk – Routine Monitoring
Lift station 6 wetwell	Unknown	30,000	50	Moderate	Good	Low Risk – Routine Monitoring



Lift station 9 wetwell	Unknown	30,000	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-01	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-03	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-04	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-05	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-06	Average	3,900	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-07	Average	7,400	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-08	Average	8,150	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-09	Average	8,700	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-10	Average	7,300	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-12	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-13	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-14	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-15	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-16	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-17	Average	4,650	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-18	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring



wwManH-19	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-21	Average	7,300	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-22	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-27	Average	6,600	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-28	Average	5,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-29	Average	4,200	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-30	Average	4,200	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-31	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-32	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-33	Average	5,800	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-35	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-36	Average	7,100	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-37	Average	6,900	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-38	Average	5,600	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-39	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-40	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-41	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring



wwManH-42	Average	4,000	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-43	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-44	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-60	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-61	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-62	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-63	Average	7,100	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-64	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-65	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-66	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-67	Average	3,500	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-73	Average	4,200	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-74	Average	6,900	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-75	Average	5,700	50	Moderate	Average	Low Risk – Routine Monitoring
wwManH-76	Average	7,400	50	Moderate	Average	Low Risk – Routine Monitoring



CITY OF EAGLE LAKE  
REGULAR CITY COMMISSION MEETING  
WEDNESDAY, SEPTEMBER 8, 2021  
7:00 P.M.  
COMMISSION CHAMBERS  
LOCATED AT 675 E EAGLE AVE  
EAGLE LAKE, FLORIDA 33839

**I. CALL TO ORDER**

Mayor Coler called the meeting to order at 7:05 p.m.

**II. INVOCATION**

The invocation was dispensed with as it was done at the previous meeting.

**III. PLEDGE OF ALLEGIANCE TO THE FLAG**

The Pledge of Allegiance to the Flag was dispensed with as it was done at the previous meeting.

**IV. ROLL CALL**

PRESENT: Billings, Wilson, Clark, Coler

ABSENT: Metosh

City Clerk Wright advised Commissioner Metosh advised her that he would not be able to attend the meeting as he had to work.

**MOTION** was made by Mayor Coler and seconded by Commissioner Clark to excuse Commissioner Metosh from the meeting.

The vote was as follows:

AYES: 4

NAYS: 0

**V. AUDIENCE**

There were no comments from the audience.

**VI. SPECIAL PRESENTATIONS/RECOGNITIONS/PROCLAMATIONS, REQUESTS**

**A. Staff Reports**

Deputy Roy updated the Commission regarding the events that have occurred in the city.

Deputy Fire Chief Huff updated the Commission regarding the events that have occurred in the city.

**B. City Manager Report**

City Manager Ernharth advised the City will be receiving \$1,454,474.00 from the American Rescue Plan from the Federal Government.

City Manager Ernharth advised to get the Green Acres Water Plant back on line the cost of a new control panel is \$52,775; he advised we will be using the American Rescue Plan funds the City will be receiving.

**MOTION** was made by Mayor Coler and seconded by Commissioner Billings to approve the control panel in the amount of \$52,775 at Green Acres Water Plant.

Mayor Coler asked for audience and Commission discussion; there was none.

The vote was as follows:

AYES: 4

NAYS: 0

Mr. Ernharth advised Polk County completed a stormwater improvement project on Bomber Road and Gerber Dairy Road; the County had to relocate some of the city's waterlines as the city didn't have the manpower to assist in relocating ourselves. The County is requesting reimbursement in the amount of \$52,779.36; he advised we will be using the American Rescue Plan funds that the City will be receiving.

The Commission directed the City Manager to look at getting an interconnect with another municipality in the event the Green Acres Water Plant went down in the future.

**MOTION** was made by Mayor Coler and seconded by Commissioner Billings to approve the reimbursement to the County in the amount of \$52,779.36 for the relocation of water lines on Bomber Road and Gerber Dairy Road.

The vote was as follows:

AYES: 4

NAYS: 0

Mr. Ernharth advised TECO is requesting easement for underground utilities; this easement is at the ballfield property. City Manager Ernharth will get the information to the City Attorney for an easement.

## **VII. PUBLIC HEARINGS**

- A. Consideration of the second reading of Ordinance No.: O-21-09, An Ordinance Granting to Florida Public Utilities Company, its Successors and Assigns, a Non-Exclusive Franchise for a Period of 30 Years to Construct, Operate, Maintain, Own and Transport in the City of Eagle Lake, Florida, Works for the Manufacture, Transmission, Distribution, Transportation, and Sale of Gas, Including Natural, Manufactured or Mixed Gas; Providing Severability and an Effective Date Upon Final Passage. effective upon reading

Attorney Dawson read Ordinance No.: O-21-09 by title only.

**MOTION** was made by Commissioner Wilson and seconded by Commissioner Clark to approve Ordinance No.: O-21-09.

Mayor Coler asked for audience and Commission discussion, there was none.

The roll call vote was as follows:



AYES: Billings, Wilson, Clark, Coler

NAYS: None

- B. Consideration of the second reading of Ordinance No.: O-21-10, An Ordinance of the City Commission of the City of Eagle Lake, Florida, Adopting Section 16-38, of Chapter 16, Utilities, Article II, Water, of the Eagle Lake Code of Ordinances to Establish a Charge for Water Meter Inspection Reports; Providing for Codification; Providing for Conflicts; Providing for Severability; and Providing an Effective Date.** effective upon reading

Attorney Dawson read Ordinance No.: O-21-10 by title only.

**MOTION** was made by Commissioner Wilson and seconded by Commissioner Clark to approve Ordinance No.: O-21-10.

Mayor Coler asked for audience and Commission discussion, there was none.

The roll call vote was as follows:

AYES: Billings, Wilson, Clark, Coler

NAYS: None

- C. Consideration of the first reading of Resolution No.: R-21-06, A Resolution of the City of Eagle Lake, Florida Adopting the Millage Rate for the City of Eagle Lake, Florida for Fiscal Year 2021-2022; Providing for Conflicts, Severability and Effective Date.**

Attorney Dawson read Resolution No.: R-21-06 by title only.

City Manager Ernharth stated the name of the taxing authority is the City of Eagle Lake. The rolled-back rate is 7.2072; the percentage of increase over the rolled-back rate is 6.17%. The Millage rate to be levied is 7.6516.

The reason for the millage being higher than the rolled-back rate is to provide for the additional revenues for cash balances.

**MOTION** was made by Commissioner Wilson and seconded by Commissioner Clark to approve Resolution No.: R-21-06.

Mayor Coler asked for audience and Commission discussion; there was none.

The vote was as follows:

AYES: Billings, Wilson, Clark, Coler

NAYS: None

- D. Consideration of the first reading of Resolution No.: R-21-07, A Resolution of the City of Eagle Lake, Florida Adopting a Budget for the City of Eagle Lake for Fiscal Year 2021-2022 Reflecting the Revenue Generated Together with the Sources of the Revenue; Delineating the Expenditures by Department of Activity; Approving a Personnel Budget; Providing for Conflicts, Severability and Effective Date**

Attorney Dawson read Resolution No.: R-21-07 by title only.

City Manager Ernharth stated the total revenues are \$4,333,597 and total expenditures are \$4,333,597.

**MOTION** was made by Commissioner Wilson and seconded by Commissioner Clark to approve Resolution No.: R-21-07.

Mayor Coler asked for audience and Commission discussion; there was none.

The vote was as follows:

AYES: Billings, Wilson, Clark, Coler

NAYS: None

- E. Consideration of the first reading of **Ordinance No.: O-21-11**, An Ordinance of the City of Eagle Lake, Florida Extending the Corporate Limits of the City of Eagle Lake, to Include Therein Additional Territory Lying Contiguous and Adjacent to the Present Boundaries of the City of Eagle Lake; Describing said Additional Territory; Repealing all Ordinances Conflicting Herewith and Providing an Effective Date. (General Location: A parcel of land, approximately 0.99 acres in size, lying north of Eagle Lake Loop Road, with a street address of 1057 Eagle Lake Loop Road, Eagle Lake, Florida 33839 and referenced as the “Thousand Oaks Development”)

Attorney Dawson read Ordinance No.: O-21-11 by title only.

**MOTION** was made by Commissioner Wilson and seconded by Commissioner Clark to approve Ordinance No.: O-21-11.

Mayor Coler asked for audience and Commission discussion, there was none.

The roll call vote was as follows:

AYES: Billings, Wilson, Clark, Coler

NAYS: None

- F. Consideration of the first reading of **Ordinance No.: O-21-12**, An Ordinance Amending the City of Eagle Lake, Florida 2030 Comprehensive Plan by Revising the Future Land Use Map Series to Assign Low-Density Residential Future Land Use to One (1) Annexed Parcel; Repealing all Ordinances in Conflict Herewith; and, Providing an Effective Date. (General Location: A parcel of land, approximately 0.99 acre in size, lying north of Eagle Lake Loop Road, with a street address of 1057 Eagle Lake Loop Road, Eagle Lake, Florida 33839 and referenced as the “Thousand Oaks Development”)

Attorney Dawson read Ordinance No.: O-21-12 by title only.

**MOTION** was made by Commissioner Wilson and seconded by Commissioner Clark to approve Ordinance No.: O-21-12.

Mayor Coler asked for audience and Commission discussion, there was none.

The roll call vote was as follows:

AYES: Billings, Wilson, Clark, Coler

NAYS: None

- G.** Consideration of the first reading of **Ordinance No. O-21-13**, An Ordinance Amending the City of Eagle Lake, Florida Land Development Regulations by Revising the Zoning Map to Assign Planned Development – Housing (PD\_H) to Six (6) Annexed Parcels; Repealing all Ordinances in Conflict Herewith; and Providing an Effective Date. (General Location: A parcel of land, approximately 109.16 acres in size, lying north of Eagle Lake Loop Road, with a street address of 1057 and 1065 Eagle Lake Loop Road, Eagle Lake, Florida 33839 and referenced as the “Thousand Oaks Development”)

Attorney Dawson read Ordinance No.: O-21-13 by title only.

**MOTION** was made by Commissioner Wilson and seconded by Commissioner Clark to approve Ordinance No.: O-21-13.

Mayor Coler asked for audience and Commission discussion, there was none.

The roll call vote was as follows:

AYES: Billings, Wilson, Clark, Coler

NAYS: None

- H.** Consideration of the first reading of **Ordinance No.: O-21-14**, An Ordinance of the City Commission of the City of Eagle Lake, Florida, Repealing Chapter 8 of Its Code of Ordinances, Entitled Local Business Taxes and Business Regulations, in Its Entirety; Providing for Codification; Providing for Conflicts; Providing for Severability; and Providing an Effective Date.

Attorney Dawson read Ordinance No.: O-21-14 by title only.

**MOTION** was made by Commissioner Wilson and seconded by Commissioner Clark to approve Ordinance No.: O-21-14.

Mayor Coler asked for audience and Commission discussion, there was none.

The roll call vote was as follows:

AYES: Billings, Wilson, Clark, Coler

NAYS: None

## **VIII. OLD BUSINESS**

There was no old business.

## **IX. NEW BUSINESS**

### **A. Evaluation of City Manager**

Mayor Coler and Commission thanked City Manager Ernharth and stated he does an outstanding job for our city.

### **B. Evaluation of City Clerk**

Mayor Coler and Commission thanked City Clerk Wright and stated she does an outstanding job for our city.

**C. Consideration of the State Revolving Fund Amendment 2 to Loan Agreement DW530910 (Green Acres Water Plant)**

**MOTION** was made by Commissioner Wilson and seconded by Commissioner Clark to approve the State Revolving Fund Amendment 2 to Loan Agreement DW530910.

Mayor Coler asked for audience and Commission discussion; there was none.

The vote was as follows:

AYES: 4

NAYS: 0

**D. Consideration of the Development Agreement between the City of Eagle Lake and The Ranches at Lake McLeod, LLC**

**MOTION** was made by Commissioner Wilson and seconded by Commissioner Clark to approve the Development Agreement between the City of Eagle Lake and The Ranches at Lake McLeod, LLC.

Mayor Coler asked for audience and Commission discussion; there was none.

The vote was as follows:

AYES: 4

NAYS: 0

**X. CONSENT AGENDA**

- A.** Approval of the Regular City Commission Minutes -----08/02/2021
- B.** Approval of Financials

**MOTION** was made by Commissioner Wilson and seconded by Commissioner Clark to approve the Consent Agenda, Items A. the Regular City Commission Minutes of 08/02/2021, B. the Financials.

Mayor Coler asked for discussion from the audience and Commission; there was none.

The vote was as follows:

AYES: 4

NAYS: 0

**XI. AUDIENCE**

There were no comments from the audience.

**XII. CITY ATTORNEY**

Attorney Dawson stated he is waiting to hear back from MCCi on the Laserfiche contract concerns.

**XIII. CITY COMMISSION**

Commissioner Wilson had no report.

Commissioner Clark had no report.

Commissioner Billings had no report.

Mayor Coler stated that the Ridge League of Cities will have a meeting in October and he is encouraging the Commission and staff to attend.

Mayor Coler reported back on his attendance at the Florida League of Cities Conference; he advised the City Manager and City Clerk also attended.

The Commission discussed a Youth Council.

**XIV. ADJOURNMENT**

**MOTION** was made by Commissioner Clark and seconded by Commissioner Billings to adjourn at 7:46 p.m.

The vote was as follows:

AYES: 4

NAYS: 0

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MAYOR CORY COLER

ATTEST:

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CITY CLERK DAWN WRIGHT

## CITY OF EAGLE LAKE - GENERAL FUND

## ACCOUNT BALANCE

AUG 2021

<b>ACCOUNT BALANCE AS OF JULY 31, 2021</b>	2,788,625.63
DEPOSITS	801,342.94
CLEARED CHECKS	(845,638.13)
WITHDRAWALS/ACH	0.00
RETURNED CHECKS	0.00
<b>ACCOUNT BALANCE AS OF AUG 31, 2021</b>	<b>2,744,330.44</b>

**OUTSTANDING CHECKS:**

43482	CYPRESS GARDENS WATER SKI TEAM INC	(800.00)
43564	RACHEL CRAFT - REF	(50.00)
43696	CECILIA BURGOS - REF	(175.00)
43705	MONTANA ORTIZ - REF	(175.00)
43698	CLERK OF COURTS/EXP	(54.00)
43723	FLORIDA BLUE	(15,858.30)
43741	HARRISON ROOFING INC*	(7,700.00)
43748	SEWER IMPACT SAVINGS	(5,500.00)
43755	WATER IMPACT SAVINGS	(5,500.00)
43753	UTILITY FUND	(2,706.74)
43750	TAMPA ELECTRIC CO.-1	(2,463.16)
43746	PUBLIC BUILDINGS AND FAC. PB	(1,984.00)
43738	FLORIDA MIDLAND RAILROAD INC	(1,967.00)
43752	TIRES UNLIMITED	(1,771.85)
43740	HAMPTON CRAVEY*	(1,700.00)
43733	BUSINESS CARD - DW	(1,680.89)
43734	BUSINESS CARD - TE	(1,563.45)
43732	BRYNJULFSON CPA PA	(1,141.25)
43743	PARKS AND REC. FEES-PB	(582.00)
43725	GUARDIAN	(577.92)
43726	Liberty National Insurance Company QB	(360.17)
43737	FASTSIGNS	(350.00)
43735	CDN PARTNERS INC	(345.00)
43730	WASHINGTON NATIONAL INS CO	(332.70)
43731	AWARDS NETWORK	(250.00)
43727	LINCOLN FINANCIAL GROUP	(246.71)
43739	FLORIDA PEST CONTROL	(224.00)
43728	MINNESOTA LIFE	(194.50)
43747	RICOH USA INC	(165.85)
43736	DELORIS JONES - REF	(162.75)
43745	POLK TRACTOR COMPANY	(123.08)
43724	Florida Municipal Insurance Trust QB	(108.26)
43749	TAMI KLECKA - REF	(100.00)

CITY OF EAGLE LAKE - GENERAL FUND  
ACCOUNT BALANCE

43754	WALMART (chg) COMMUNITY/GEMB	(93.13)
43722	EMPLOYEE FUND QB	(66.00)
43744	POLK ASSOCIATION OF CODE ENFORCEMENT	(35.00)
43751	THOMAS ERNHARTH	(25.56)
43729	New York Life Ins QB	(21.68)
43742	KATHLEEN GALLAGHER	(9.31)
JE #3	Florida Department of Revenue	(83.20)

TOTAL OUTSTANDING CHECKS:		<u>(57,247.46)</u>
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Deposit	03/23/2021	50.00
Deposit	08/31/2021	50.00

TOTAL OUTSTANDING DEPOSITS:		<u>100.00</u>
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REMAINING ACCOUNT BALANCE:		<u><u>2,687,182.98</u></u>
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**CITY OF EAGLE LAKE**  
**Profit & Loss Budget vs. Actual**  
 October 2020 through August 2021

	Oct '20 - Aug ...	Budget	\$ Over Budget	% of Budget
<b>Ordinary Income/Expense</b>				
<b>Income</b>				
<b>310.000 · Taxes</b>				
311.000 · Ad Valorem Taxes	828,304.55	812,178.75	16,125.80	102.0%
<b>312.000 · Sales, Use &amp; Gas Taxes</b>				
312.300 · 9th Cent Gas Tax	14,152.89	14,000.00	152.89	101.1%
312.410 · Local Option Gas Tax	76,622.55	82,016.00	-5,393.45	93.4%
312.412 · Local Gov. 1/2 cent sales tax	181,212.12	144,338.00	36,874.12	125.5%
312.420 · 5-cent Local Option Gas Tax	53,915.84	50,137.00	3,778.84	107.5%
<b>Total 312.000 · Sales, Use &amp; Gas Taxes</b>	<b>325,903.40</b>	<b>290,491.00</b>	<b>35,412.40</b>	<b>112.2%</b>
<b>314.000 · Utility Service Taxes</b>				
314.100 · Electric Utility Service Tax	145,323.19	150,000.00	-4,676.81	96.9%
314.150 · Water Utility Service Tax	39,099.84	40,000.00	-900.16	97.7%
314.400 · Natural Gas Service Tax	207.91	1,000.00	-792.09	20.8%
314.800 · Propane Service Tax	1,307.94	1,500.00	-192.06	87.2%
315.000 · Local Communications Serv. Tax	63,041.00	63,000.00	41.00	100.1%
<b>Total 314.000 · Utility Service Taxes</b>	<b>248,979.88</b>	<b>255,500.00</b>	<b>-6,520.12</b>	<b>97.4%</b>
<b>323.000 · Franchise Fees</b>				
323.100 · Electric Franchise Fees	139,288.44	155,000.00	-15,711.56	89.9%
323.400 · Natural Gas Franchise Fees	178.54	0.00	178.54	100.0%
323.700 · Solid Waste Franchise Fee	22,012.50	32,000.00	-9,987.50	68.8%
<b>Total 323.000 · Franchise Fees</b>	<b>161,479.48</b>	<b>187,000.00</b>	<b>-25,520.52</b>	<b>86.4%</b>
<b>Total 310.000 · Taxes</b>	<b>1,564,667.31</b>	<b>1,545,169.75</b>	<b>19,497.56</b>	<b>101.3%</b>
<b>330.000 · Intergovernmental Revenue</b>				
<b>331.000 · Federal Grants</b>				
331.391 · CDBG Revenue	0.00	39,000.00	-39,000.00	0.0%
<b>Total 331.000 · Federal Grants</b>	<b>0.00</b>	<b>39,000.00</b>	<b>-39,000.00</b>	<b>0.0%</b>
<b>335.000 · State Shared Revenues</b>				
335.120 · SRS Sales Tax	80,628.87	65,000.00	15,628.87	124.0%
335.122 · SRS - Motor Fuel Tax	31,355.70	24,000.00	7,355.70	130.6%
335.150 · Alcoholic Beverage Licenses	248.03	500.00	-251.97	49.6%
<b>Total 335.000 · State Shared Revenues</b>	<b>112,232.60</b>	<b>89,500.00</b>	<b>22,732.60</b>	<b>125.4%</b>
<b>338.800 · County Shared Revenue</b>				
337.700 · Library Cooperative	25,000.00	25,000.00	0.00	100.0%
337.710 · Delivery Driver System Funding	91,958.63	114,794.00	-22,835.37	80.1%
338.200 · Polk County Occupational Licens	1,411.21	1,600.00	-188.79	88.2%
<b>Total 338.800 · County Shared Revenue</b>	<b>118,369.84</b>	<b>141,394.00</b>	<b>-23,024.16</b>	<b>83.7%</b>
<b>Total 330.000 · Intergovernmental Revenue</b>	<b>230,602.44</b>	<b>269,894.00</b>	<b>-39,291.56</b>	<b>85.4%</b>
<b>340.000 · Charges for Services</b>				
341.200 · Zoning Fees	1,800.00	500.00	1,300.00	360.0%
341.300 · Copies/Certifications	50.55	75.00	-24.45	67.4%
342.900 · FDOT Roadway Maintenance	11,965.01	12,000.00	-34.99	99.7%
342.901 · FDOT Lighting Maintenance	33,003.47	15,784.00	17,219.47	209.1%
352.000 · Library Fines and Collections	1,298.60	1,500.00	-201.40	86.6%
<b>Total 340.000 · Charges for Services</b>	<b>48,117.63</b>	<b>29,859.00</b>	<b>18,258.63</b>	<b>161.1%</b>
<b>350.000 · Fines &amp; Forfeitures</b>				
341.541 · Police Fines	3,902.67	8,000.00	-4,097.33	48.8%
350.100 · Other Fines and Forfeitures	0.00	600.00	-600.00	0.0%
350.000 · Fines & Forfeitures - Other	-2.06			
<b>Total 350.000 · Fines &amp; Forfeitures</b>	<b>3,900.61</b>	<b>8,600.00</b>	<b>-4,699.39</b>	<b>45.4%</b>
<b>360.000 · Other Revenue</b>				
361.100 · Interest Income	5,808.82	5,000.00	808.82	116.2%
361.110 · Facilities Deposits	16,351.00	1,500.00	14,851.00	1,090.1%



**CITY OF EAGLE LAKE**  
**Profit & Loss Budget vs. Actual**  
**October 2020 through August 2021**

	Oct '20 - Aug ...	Budget	\$ Over Budget	% of Budget
362.100 · Facilities Rental	15,711.00	9,000.00	6,711.00	174.6%
362.200 · Sprint Tower Lease	24,883.20	37,325.00	-12,441.80	66.7%
362.201 · T-Mobile Tower Lease	26,206.20	22,500.00	3,706.20	116.5%
366.000 · Private Donations				
366.101 · Trick or Treat Lane Donations	2,500.00			
366.300 · Donations - Library	70.00			
366.000 · Private Donations - Other	1,000.00	1,500.00	-500.00	66.7%
Total 366.000 · Private Donations	3,570.00	1,500.00	2,070.00	238.0%
369.900 · Miscellaneous Income				
369.125 · LIEN PAYMENTS	150.00			
369.310 · Misc Revenue - Engineering Fees	72,872.62			
369.994 · Library Grant	3,000.00			
369.996 · E-Rate Reimbursement	798.66			
369.900 · Miscellaneous Income - Other	49,171.04	14,000.00	35,171.04	351.2%
Total 369.900 · Miscellaneous Income	125,992.32	14,000.00	111,992.32	899.9%
Total 360.000 · Other Revenue	218,522.54	90,825.00	127,697.54	240.6%
367.000 · Licenses and Permits				
316.000 · Business Tax Receipts	4,405.80	8,500.00	-4,094.20	51.8%
322.000 · Building Permits Other				
322.050 · Subdivision Permit App.Fee	2,900.00	0.00	2,900.00	100.0%
322.060 · Plan Review Fee	25,481.75	2,000.00	23,481.75	1,274.1%
322.070 · DCA BLDG Cert Charge 1%	119.12	50.00	69.12	238.2%
322.100 · DBPR Radon Surcharge-1%	156.34	50.00	106.34	312.7%
322.150 · Contractor's Registration	790.00	300.00	490.00	263.3%
322.200 · Polk County Imp.Fees 3%	3,092.15	100.00	2,992.15	3,092.2%
322.250 · Consultant Review-Subdiv.	300.00	0.00	300.00	100.0%
322.300 · Building Inspection Fees	62,480.00	9,000.00	53,480.00	694.2%
322.400 · Building Permits	72,689.30	10,000.00	62,689.30	726.9%
324.610 · Parks and Rec Impact Fee	45,978.00	0.00	45,978.00	100.0%
324.611 · Public BLDG & Fac - Res	156,736.00	0.00	156,736.00	100.0%
Total 322.000 · Building Permits Other	370,722.66	21,500.00	349,222.66	1,724.3%
Total 367.000 · Licenses and Permits	375,128.46	30,000.00	345,128.46	1,250.4%
369.200 · CASH OVER/SHORT	25.41			
382.000 · Transfers - IN	97,353.74	143,004.00	-45,650.26	68.1%
382.100 · CRA Transfer - IN	18,337.00	20,004.00	-1,667.00	91.7%
Total Income	2,556,655.14	2,137,355.75	419,299.39	119.6%
Gross Profit	2,556,655.14	2,137,355.75	419,299.39	119.6%
Expense				
510.000 · General Government				
511.000 · Commissioner Costs				
511.100 · Employee Benefits	558.00	575.00	-17.00	97.0%
511.110 · City Commission Fees/Salaries	7,294.10	7,957.00	-662.90	91.7%
511.300 · Operating Expenditures				
511.240 · Workers Compensation Insurance	80.98	150.00	-69.02	54.0%
511.310 · Engineering Services	95,020.70	5,000.00	90,020.70	1,900.4%
511.311 · Legal Services	966.51	10,000.00	-9,033.49	9.7%
511.313 · Planning Services	0.00	5,000.00	-5,000.00	0.0%
511.320 · Accounting & Auditing	9,051.25	11,500.00	-2,448.75	78.7%
511.321 · Financial Reporting Svcs	12,205.00	15,000.00	-2,795.00	81.4%
511.340 · Contractual Services	1,800.00	2,500.00	-700.00	72.0%
511.341 · Election Fees	301.82	3,000.00	-2,698.18	10.1%
511.410 · Communication Services	2,763.85	3,600.00	-836.15	76.8%
511.420 · Postage	313.73	1,000.00	-686.27	31.4%
511.450 · Insurance Property	64,723.76	50,000.00	14,723.76	129.4%
511.460 · Repair & Maint Svcs Comm Bldg	2,657.50	10,500.00	-7,842.50	25.3%
511.470 · Printing and Binding/ Municipal	1,975.00	4,500.00	-2,525.00	43.9%

**CITY OF EAGLE LAKE**  
**Profit & Loss Budget vs. Actual**  
**October 2020 through August 2021**

	Oct '20 - Aug ...	Budget	\$ Over Budget	% of Budget
511.480 · Advertising / Promotions	2,007.67	5,000.00	-2,992.33	40.2%
511.490 · Other Current Charges	7,310.99	12,000.00	-4,689.01	60.9%
511.512 · Trick or Treat Lane	0.00	2,500.00	-2,500.00	0.0%
511.540 · Education and Training - CC	1,289.07			
511.541 · Travel, Meetings, and Dues	718.66	5,000.00	-4,281.34	14.4%
511.991 · Contingency Fund	0.00	5,500.00	-5,500.00	0.0%
511.992 · Debt Service 1999 Rev Bond	92,742.50	91,100.00	1,642.50	101.8%
511.993 · CRA/Community Redevelopment Age	20,000.00	20,000.00	0.00	100.0%
511.998 · Reserve / Contingency	0.00	160,634.75	-160,634.75	0.0%
<b>Total 511.300 · Operating Expenditures</b>	<b>315,928.99</b>	<b>423,484.75</b>	<b>-107,555.76</b>	<b>74.6%</b>
511.600 · CAPITAL OUTLAY	-150.00			
<b>Total 511.000 · Commissioner Costs</b>	<b>323,631.09</b>	<b>432,016.75</b>	<b>-108,385.66</b>	<b>74.9%</b>
<b>512.000 · CITY MANAGER</b>				
512.100 · Employee Benefits	25,595.39	32,000.00	-6,404.61	80.0%
512.120 · Salaries and Wages	89,755.20	97,316.00	-7,560.80	92.2%
512.300 · Operating Expenditures				
512.240 · Workers Compensation Insurance	1,226.93	1,900.00	-673.07	64.6%
512.340 · Contractual Services	0.00	500.00	-500.00	0.0%
512.410 · Communication Services	2,226.65	2,100.00	126.65	106.0%
512.420 · Postage	168.65	650.00	-481.35	25.9%
512.460 · Repairs & Maintenance	57.50	500.00	-442.50	11.5%
512.490 · Other Expenditures	53.91	1,500.00	-1,446.09	3.6%
512.540 · Education & Training	2,170.06	3,000.00	-829.94	72.3%
512.541 · Travel, Meetings, and Dues	1,425.90	2,000.00	-574.10	71.3%
512.991 · Contingency Fund	0.00	2,000.00	-2,000.00	0.0%
<b>Total 512.300 · Operating Expenditures</b>	<b>7,329.60</b>	<b>14,150.00</b>	<b>-6,820.40</b>	<b>51.8%</b>
<b>Total 512.000 · CITY MANAGER</b>	<b>122,680.19</b>	<b>143,466.00</b>	<b>-20,785.81</b>	<b>85.5%</b>
<b>513.000 · Administration</b>				
513.100 · Employee Benefits	58,969.62	78,000.00	-19,030.38	75.6%
513.121 · Salaries and Wages	149,235.21	170,916.00	-21,680.79	87.3%
513.140 · Overtime	626.37	325.00	301.37	192.7%
513.300 · Operating Expenditures				
513.240 · Workers Compensation Insurance	2,364.76	4,500.00	-2,135.24	52.6%
513.311 · Legal Services	1,210.27			
513.340 · Contractual Svcs (Copier/Lease)	5,548.99	7,000.00	-1,451.01	79.3%
513.410 · Communication Services	3,931.36	15,000.00	-11,068.64	26.2%
513.420 · Postage	4,279.56	5,000.00	-720.44	85.6%
513.430 · Utility Services	2,261.86	3,500.00	-1,238.14	64.6%
513.460 · Repair & Maintenance	1,119.10	5,000.00	-3,880.90	22.4%
513.490 · Other Expenditures	4,846.08	9,500.00	-4,653.92	51.0%
513.510 · Office Supplies	2,700.87	5,000.00	-2,299.13	54.0%
513.540 · Education and Training	3,136.79	6,000.00	-2,863.21	52.3%
513.541 · Travel, Meetings, & Dues	2,767.15	4,000.00	-1,232.85	69.2%
513.991 · Contingency Fund	0.00	1,500.00	-1,500.00	0.0%
<b>Total 513.300 · Operating Expenditures</b>	<b>34,166.79</b>	<b>66,000.00</b>	<b>-31,833.21</b>	<b>51.8%</b>
<b>Total 513.000 · Administration</b>	<b>242,997.99</b>	<b>315,241.00</b>	<b>-72,243.01</b>	<b>77.1%</b>
<b>Total 510.000 · General Government</b>	<b>689,309.27</b>	<b>890,723.75</b>	<b>-201,414.48</b>	<b>77.4%</b>
<b>521.000 · Police Department</b>				
521.300 · Operating Expenditures - PD				
521.340 · Contractual Services - Sheriff	547,060.00	547,060.00	0.00	100.0%
521.410 · Communication Services	1,669.73	2,000.00	-330.27	83.5%
521.430 · Utility Services	2,261.85	3,000.00	-738.15	75.4%
<b>Total 521.300 · Operating Expenditures - PD</b>	<b>550,991.58</b>	<b>552,060.00</b>	<b>-1,068.42</b>	<b>99.8%</b>

**CITY OF EAGLE LAKE**  
**Profit & Loss Budget vs. Actual**  
**October 2020 through August 2021**

	Oct '20 - Aug ...	Budget	\$ Over Budget	% of Budget
<b>Total 521.000 · Police Department</b>	550,991.58	552,060.00	-1,068.42	99.8%
<b>541.000 · Streets</b>				
541.100 · Employee Benefits	15,773.65	20,400.00	-4,626.35	77.3%
541.120 · Salaries and Wages	23,881.52	28,031.00	-4,149.48	85.2%
541.140 · Overtime	0.00	2,000.00	-2,000.00	0.0%
<b>541.300 · Operating Expenditures - ST</b>				
541.240 · Workers Compensation Insurance	478.52	700.00	-221.48	68.4%
541.310 · Engineering	0.00	2,000.00	-2,000.00	0.0%
541.311 · NPDES Charges	124.00			
541.340 · Contractual Services	0.00	2,000.00	-2,000.00	0.0%
541.400 · Petroleum Products	491.27	3,500.00	-3,008.73	14.0%
541.410 · Communication Services	445.16	2,400.00	-1,954.84	18.5%
541.430 · Utility Services	24,573.63	40,000.00	-15,426.37	61.4%
541.460 · Repair and Maintenance	10,032.53	11,000.00	-967.47	91.2%
541.490 · Other Expenditures	1,067.53	1,000.00	67.53	106.8%
541.521 · Supplies & Materials	445.95	2,000.00	-1,554.05	22.3%
541.522 · Uniforms	0.00	375.00	-375.00	0.0%
541.530 · Road Materials/Street Repair	207.20	2,500.00	-2,292.80	8.3%
541.630 · Street Signs	55.48	5,000.00	-4,944.52	1.1%
<b>Total 541.300 · Operating Expenditures - ST</b>	37,921.27	72,475.00	-34,553.73	52.3%
<b>541.600 · Capital Outlay - ST</b>				
541.603 · Transfer Out-Restr. 5 Cent GasTx	0.00	79,000.00	-79,000.00	0.0%
<b>Total 541.600 · Capital Outlay - ST</b>	0.00	79,000.00	-79,000.00	0.0%
<b>Total 541.000 · Streets</b>	77,576.44	201,906.00	-124,329.56	38.4%
<b>550.000 · Building and Code Enforcement</b>				
550.100 · Employee Benefits	15,980.85	22,400.00	-6,419.15	71.3%
550.120 · Salaries and Wages	57,469.95	61,186.00	-3,716.05	93.9%
<b>550.300 · Operating Expenditures</b>				
550.240 · Workers Compensation Insurance	793.07	1,200.00	-406.93	66.1%
550.311 · Legal Services & Magistrate	1,349.44	5,000.00	-3,650.56	27.0%
550.340 · Contractual Services (Code Enf)	0.00	20,000.00	-20,000.00	0.0%
550.400 · Petroleum Products	0.00	1,500.00	-1,500.00	0.0%
550.410 · Communication Services	637.36	2,100.00	-1,462.64	30.4%
550.420 · Postage	29.08	400.00	-370.92	7.3%
550.460 · Repairs and Maintenance	726.57			
550.490 · Other Expenditures	249.82	525.00	-275.18	47.6%
550.491 · Code Enforcement Other	19,937.85	2,000.00	17,937.85	996.9%
550.522 · Uniforms	0.00	300.00	-300.00	0.0%
550.540 · Education & Training	453.00	1,000.00	-547.00	45.3%
550.541 · Travel, Meetings & Dues	205.00	2,000.00	-1,795.00	10.3%
<b>Total 550.300 · Operating Expenditures</b>	24,381.19	36,025.00	-11,643.81	67.7%
<b>Total 550.000 · Building and Code Enforcement</b>	97,831.99	119,611.00	-21,779.01	81.8%
<b>571.000 · Library</b>				
571.100 · Employee Benefits	32,551.17	48,150.00	-15,598.83	67.6%
571.120 · Salaries and Wages	22,695.59	26,410.00	-3,714.41	85.9%
571.128 · Delivery Van Drivers	68,498.01	70,394.00	-1,895.99	97.3%
<b>571.300 · Operating Expenditures</b>				
571.240 · Workers Compensation Insurance	1,375.31	2,200.00	-824.69	62.5%
571.410 · Communication Services	2,439.51	3,300.00	-860.49	73.9%
571.420 · Postage	383.72	250.00	133.72	153.5%
571.430 · Utility Services	2,261.82	3,300.00	-1,038.18	68.5%
571.460 · Repair and Maintenance	704.90	500.00	204.90	141.0%
571.490 · Other Expenditures	36.25			
571.510 · Office Supplies	1,600.96	600.00	1,000.96	266.8%
571.521 · Operating Expenses---LB Van Dri	204.85	500.00	-295.15	41.0%

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Accrual Basis

**CITY OF EAGLE LAKE**  
**Profit & Loss Budget vs. Actual**  
**October 2020 through August 2021**

	Oct '20 - Aug ...	Budget	\$ Over Budget	% of Budget
571.660 · Books & Materials	3,319.84	1,500.00	1,819.84	221.3%
Total 571.300 · Operating Expenditures	12,327.16	12,150.00	177.16	101.5%
Total 571.000 · Library	136,071.93	157,104.00	-21,032.07	86.6%
572.000 · Parks & Rec				
572.100 · Employee Benefits	14,238.60	19,200.00	-4,961.40	74.2%
572.120 · Salaries and Wages	26,650.73	27,851.00	-1,200.27	95.7%
572.140 · Overtime	0.00	1,650.00	-1,650.00	0.0%
572.300 · Operating Expenditures				
572.240 · Workers Compensation Insurance	461.94	750.00	-288.06	61.6%
572.340 · Contractual Services	3,650.00	10,000.00	-6,350.00	36.5%
572.400 · Petroleum Products	1,829.10	6,000.00	-4,170.90	30.5%
572.410 · Communication Services	445.16	2,000.00	-1,554.84	22.3%
572.430 · Utility Services	40,247.13	49,000.00	-8,752.87	82.1%
572.460 · Repair & Maintenance	23,305.21	20,000.00	3,305.21	116.5%
572.461 · Grounds-Bldg/Clean/Maint/Veh	22,272.00	22,000.00	272.00	101.2%
572.490 · Other Expenditures	1,250.92	500.00	750.92	250.2%
572.512 · Trick or Treat Lane	0.00	2,500.00	-2,500.00	0.0%
572.513 · Hometown Festival (Fireworks)	2,750.00	5,500.00	-2,750.00	50.0%
572.521 · Supplies & Materials	0.00	7,000.00	-7,000.00	0.0%
572.541 · Travel, Meetings & Dues	-3.12			
572.654 · Mistletoe Marketplace	11,494.17	3,000.00	8,494.17	383.1%
572.814 · CDBG (Grants)	7,784.25	39,000.00	-31,215.75	20.0%
572.888 · Facilities Deposit Refunds - PR	14,281.00			
572.889 · Facilities Sales Tax Remit - PR	137.25			
Total 572.300 · Operating Expenditures	129,905.01	167,250.00	-37,344.99	77.7%
572.600 · Capital Outlay - PR	4,730.00			
Total 572.000 · Parks & Rec	175,524.34	215,951.00	-40,426.66	81.3%
6560 · Payroll Expenses	-727.95			
Total Expense	1,726,577.60	2,137,355.75	-410,778.15	80.8%
Net Ordinary Income	830,077.54	0.00	830,077.54	100.0%
Net Income	<b>830,077.54</b>	<b>0.00</b>	<b>830,077.54</b>	<b>100.0%</b>

**CITY OF EAGLE LAKE**  
**Balance Sheet**  
As of August 31, 2021

	Aug 31, 21
<b>ASSETS</b>	
<b>Current Assets</b>	
<b>Checking/Savings</b>	
100.000 · Cash & Cash Equivalents	
101.103 · CS - GENERAL FUND	2,687,182.98
102.216 · Petty Cash	200.00
102.217 · Petty Cash Library	15.00
<b>Total 100.000 · Cash &amp; Cash Equivalents</b>	<b>2,687,397.98</b>
101.256 · CS - BUILDING/CODE ENFORCEMENT	837.44
101.257 · CS - PARKS & REC FUND	201,763.71
101.258 · CS - PUBLIC BUILDING FUND	751,577.95
101.259 · CS- TRANSPORTATION FUND	95,344.80
103.302 · CS - BOND & INTEREST FUND	79,816.06
<b>Total Checking/Savings</b>	<b>3,816,737.94</b>
<b>Accounts Receivable</b>	
115.101 · *Accounts Receivable	83,565.21
<b>Total Accounts Receivable</b>	<b>83,565.21</b>
<b>Other Current Assets</b>	
115.200 · A/R Due from Others	30,411.23
115.300 · A/R - Due from Governments	35,448.31
116.110 · Return Checks Receivable	80.00
130.000 · Due From (To) Utility/CRA Fund	
131.100 · Due From Utility Fund-Payroll	11,382.74
131.200 · Due From Utility-Sani/Storm	-15,772.00
131.250 · Due From/To Utility Daily Dep.	3,058.98
131.350 · Due To/From Utility Fund -OTHER	-3,767.64
131.382 · DUE FROM CRA FUND-ADMIN FEES	11,934.94
131.390 · DUE FROM CRA	16,000.00
<b>Total 130.000 · Due From (To) Utility/CRA Fund</b>	<b>22,837.02</b>
149.900 · Undeposited Funds	168.60
2120 · Payroll Asset	0.01
<b>Total Other Current Assets</b>	<b>88,945.17</b>
<b>Total Current Assets</b>	<b>3,989,248.32</b>
<b>TOTAL ASSETS</b>	<b>3,989,248.32</b>
<b>LIABILITIES &amp; EQUITY</b>	
<b>Liabilities</b>	
<b>Current Liabilities</b>	
<b>Accounts Payable</b>	
202.100 · Accounts Payable	3,721.29
<b>Total Accounts Payable</b>	<b>3,721.29</b>
<b>Other Current Liabilities</b>	
203.100 · Sales Tax Payable	182.98
205.000 · Polk County Impact Fees Payable	216,620.08
205.101 · POLK COUNTY SHERIFF EDUCATION	1,939.77
205.102 · POLK COUNTY FIRE REVIEW	792.80
205.200 · DBPR Fee Payable	-383.93
205.201 · DCA PAYABLE	-702.37
208.101 · DUE TO STATE UNCLAIMED PROPERTY	-75.00
210.000 · Accrd Exp & Other Liabilities	
218.110 · Withholding Payable	-52.96
218.190 · Cobra Insurance Payable	156.94
<b>Total 210.000 · Accrd Exp &amp; Other Liabilities</b>	<b>103.98</b>
2100 · Payroll Liabilities	
2100.06 · UNITED WAY QB	30.00

09/10/21

**CITY OF EAGLE LAKE**  
**Balance Sheet**  
**As of August 31, 2021**

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	<u>Aug 31, 21</u>
2100.07 · EMPLOYEE FUND QB	75.00
2100.10 · LIBERTY LIFE QB	-0.07
2100.11 · COLONIAL ACCIDENT CANCER QB	0.03
2100.26 · PAYROLL TAXES	<u>1.00</u>
Total 2100 · Payroll Liabilities	105.96
215.000 · Accrued Payroll and Benefits	20,301.08
240.100 · DIRECT INFLOWS - UNAVAILABLE RE	<u>16,745.58</u>
Total Other Current Liabilities	255,630.93
Total Current Liabilities	<u>259,352.22</u>
Total Liabilities	259,352.22
Equity	
271.100 · Fund Balance	2,899,818.56
Net Income	<u>830,077.54</u>
Total Equity	<u>3,729,896.10</u>
TOTAL LIABILITIES & EQUITY	<u><u>3,989,248.32</u></u>

## CITY OF EAGLE LAKE - UTILITY FUND

## ACCOUNT BALANCE

AUG 2021

<b>ACCOUNT BALANCE AS OF JULY 31, 2021</b>	1,734,622.80
DEPOSITS	288,113.47
CLEARED CHECKS	(139,688.88)
WITHDRAWALS/ACH	0.00
RETURNED CHECKS	0.00
<b>ACCOUNT BALANCE AS OF AUG 31, 2021</b>	<b>1,883,047.39</b>

**OUTSTANDING CHECKS:**

19236	ADVANCED FINGERPRINTING SERVICES - REF	(73.42)
19424	LOUIS KELLY - REF*	(18.20)
19445	MATTHEW ASHMORE - REF	(41.49)
19567	DAWN ANDREWS - REF	(131.81)
19692	LUIS SANCHEZ - REF	(49.53)
19719	ANH NGUYEN - REF	(200.00)
20121	MICHELLE RICHARDSON - REF	(45.26)
20283	AROMA CHRISTIAN CHURCH - REF	(58.76)
20561	SHEILA PAGE - REF	(120.13)
20651	MARIA CASTRO - REF	(44.32)
21507	JESUS CANALES - REF	(31.23)
21682	WALTER O'BYRNE - REF	(50.88)
21667	HEATHER MCKENZIE - REF	(19.42)
21713	SHELBY DIAZ - REF	(55.65)
21740	ALFONSO ARCADIO ESTRADA - REF	(166.24)
21769	RESHEENA HARDY - REF	(29.33)
21793	PAULA TIERNEY - REF	(37.70)
21892	TOM PERRY ST - REF	(30.81)
21972	BRANDON GIBSON - REF	(31.01)
22400	LORIN OVERSMITH JR - REF	(122.65)
22458	DORIS RATTON - REF	(115.85)
22465	RICHARD DANIELS - REF	(102.68)
22468	TONY HAMM - REF	(2.59)
22489	PENNY NICHOLS - REF	(73.88)
22507	Safeguard Business Systems Inc.	(514.52)
22504	JOSE ARZATE - REF	(138.27)
22502	GREG STOHL - REF	(122.64)
22500	DANIEL FIESTAS - REF	(122.24)
22520	CONTROL DEISGN ELECTRICAL CONTRACTORS INC	(26,387.50)
22529	REPUBLIC SERVICES	(16,145.64)
22517	CITY OF BARTOW	(13,259.58)
22531	Sunstate Meter & Supply Inc.	(9,834.45)
22527	LINK COMPUTER CORPORATION	(801.13)

CITY OF EAGLE LAKE - UTILITY FUND  
ACCOUNT BALANCE

22528	PACE ANALYTICAL SERVICES LLC	(580.00)
22534	CITY OF BARTOW	(556.74)
22514	BARTOW FORD COMPANY	(532.70)
22522	FERGUSON ENTERPRISES, INC. WATERWORKS	(479.36)
22518	CLAYTON PROPERTIES GROUP - REF	(474.92)
22516	BUSINESS CARD - TE	(237.42)
22519	CODY BALCH - REF	(154.76)
22530	RICHARD FREEMAN - REF	(154.01)
22525	JOANNE MCLEOD - REF	(97.09)
22515	BENCHMARK ENVIROANALYSITCAL INC	(96.00)
22524	FRONTIER 863-401-2708-011298-5	(78.40)
22521	DEPARTMENT OF ENVIRONMENTAL PROTECTION*	(75.00)
22535	REPUBLIC SERVICES	(64.20)
22526	KATHY HOLMAN - REF	(38.95)
22513	ASAP PROGRAMS	(36.00)
22533	VICTORIA FARRER - REF	(33.71)
22532	TUCKER PAVING INC - REF	(22.57)
22523	FIDENCIO COSTILLA - REF	(15.62)

(72,706.26)

Deposit	08/27/2021	200.00
Deposit	08/30/2021	850.00
General Journal	08/30/2021	1,065.66
General Journal	08/31/2021	581.67

TOTAL OUTSTANDING DEPOSITS: 2,697.33

REMAINING ACCOUNT BALANCE: 1,813,038.46



**City of Eagle Lake-Utility Fund**  
**Profit & Loss Budget vs. Actual**  
**October 2020 through August 2021**

	Oct '20 - Aug 21	Budget	\$ Over Budget	% of Budget
<b>Ordinary Income/Expense</b>				
<b>Income</b>				
324.210 · Impact Fees-Water-residential	515,500.00			
324.211 · Impact Fees-Sewer-residential	440,431.74			
<b>343.000 · Charges for Services</b>				
343.300 · Water Charges / User Fee	627,613.25	510,000.00	117,613.25	123.1%
343.310 · Water Taps	33,000.00	3,000.00	30,000.00	1,100.0%
343.311 · New Water Meters	107,715.00	5,000.00	102,715.00	2,154.3%
343.312 · Water Reconnect Fee	75.00	8,000.00	-7,925.00	0.9%
343.330 · Service Charge - 1/2	27,436.57	16,000.00	11,436.57	171.5%
343.360 · Customer Billing Fee - 1/3	56,292.54	52,000.00	4,292.54	108.3%
<b>343.400 · Garbage Collection</b>				
343.410 · GARBAGE TOTE SALES	898.80			
343.400 · Garbage Collection - Other	446,274.78	410,000.00	36,274.78	108.8%
<b>Total 343.400 · Garbage Collection</b>	<b>447,173.58</b>	<b>410,000.00</b>	<b>37,173.58</b>	<b>109.1%</b>
343.500 · Sewer Charges / User Fee	669,830.04	663,000.00	6,830.04	101.0%
343.510 · Tap Fees - Sewer	38,600.00	3,000.00	35,600.00	1,286.7%
343.520 · Polk County Utility Tax-CITY SH	118.96	100.00	18.96	119.0%
343.900 · Stormwater Fees	57,941.00	60,000.00	-2,059.00	96.6%
349.000 · Late Fees - 1/2	26,630.00	30,000.00	-3,370.00	88.8%
<b>Total 343.000 · Charges for Services</b>	<b>2,092,425.94</b>	<b>1,760,100.00</b>	<b>332,325.94</b>	<b>118.9%</b>
361.000 · Interest Income	46,885.01	3,600.00	43,285.01	1,302.4%
<b>369.901 · Miscellaneous Income - 1/2</b>				
369.902 · Initial Set Up Fees Revenue	595.00			
369.901 · Miscellaneous Income - 1/2 - Other	42,622.74	2,000.00	40,622.74	2,131.1%
<b>Total 369.901 · Miscellaneous Income - 1/2</b>	<b>43,217.74</b>	<b>2,000.00</b>	<b>41,217.74</b>	<b>2,160.9%</b>
<b>Total Income</b>	<b>3,138,460.43</b>	<b>1,765,700.00</b>	<b>1,372,760.43</b>	<b>177.7%</b>
<b>Gross Profit</b>	<b>3,138,460.43</b>	<b>1,765,700.00</b>	<b>1,372,760.43</b>	<b>177.7%</b>
<b>Expense</b>				
<b>533.000 · Water</b>				
533.100 · Employee Benefits	47,204.10	66,000.00	-18,795.90	71.5%
<b>533.120 · Salaries and Wages</b>	<b>114,508.76</b>	<b>123,568.00</b>	<b>-9,059.24</b>	<b>92.7%</b>
533.125 · On Call Pay	7,728.53	8,200.00	-471.47	94.3%
533.140 · Overtime	2,368.83	3,500.00	-1,131.17	67.7%
<b>533.300 · Operating Expenses</b>				
533.240 · Insurance	1,909.62	3,000.00	-1,090.38	63.7%
533.310 · Engineering Services	47,986.07	5,000.00	42,986.07	959.7%
533.311 · Legal Services	32,666.45	1,500.00	31,166.45	2,177.8%
533.320 · Accounting & Auditing - WD	5,250.00	6,000.00	-750.00	87.5%
533.340 · Contractual Services	7,152.85	6,500.00	652.85	110.0%
533.400 · Petroleum Products	4,525.39	10,000.00	-5,474.61	45.3%
533.410 · Communications Services	5,784.78	6,500.00	-715.22	89.0%
533.420 · Postage Supplies & Billing 1/3	8,433.23	8,500.00	-66.77	99.2%
533.430 · Utilities	24,836.10	57,000.00	-32,163.90	43.6%
533.450 · Insurance Auto & Equipment	6,415.78	15,000.00	-8,584.22	42.8%
533.460 · Repairs & Maint Svc (Equip/Veh)	17,562.71	25,000.00	-7,437.29	70.3%
533.480 · ADVERTISING	2,030.40	2,500.00	-469.60	81.2%
533.490 · Other Expenditures	1,704.71	1,200.00	504.71	142.1%
533.521 · Supplies & Materials (Tools)	7,526.00	5,000.00	2,526.00	150.5%
533.522 · Uniforms	413.59	900.00	-486.41	46.0%
533.540 · Education and Training	241.67	1,500.00	-1,258.33	16.1%
533.541 · Travel, Meetings, & Dues	524.96	1,200.00	-675.04	43.7%
533.555 · Chemicals	0.00	14,500.00	-14,500.00	0.0%
533.560 · POLK REGIONAL WATER COOPERATI...	1,298.07	2,500.00	-1,201.93	51.9%
533.581 · Transfer to General Fund/Adm	38,958.37	60,900.00	-21,941.63	64.0%
533.602 · Repairs & Maint Svc (Plants)	62,753.84	40,000.00	22,753.84	156.9%
533.996 · Debt Service Rus Water	0.00	54,709.00	-54,709.00	0.0%
533.998 · Reserve/Contingency	26,387.50	63,100.00	-36,712.50	41.8%

**City of Eagle Lake-Utility Fund**  
**Profit & Loss Budget vs. Actual**  
**October 2020 through August 2021**

	Oct '20 - Aug 21	Budget	\$ Over Budget	% of Budget
Total 533.300 · Operating Expenses	304,362.09	392,009.00	-87,646.91	77.6%
533.600 · Capital Outlay - WD	45,500.00	40,000.00	5,500.00	113.8%
533.900 · Bad Debt Expense - WD	3,162.93			
Total 533.000 · Water	524,835.24	633,277.00	-108,441.76	82.9%
534.000 · Solid Waste				
534.300 · Operating Expenses				
534.340 · Contract for Solid Waste	259,547.47	280,000.00	-20,452.53	92.7%
534.913 · Due to Gen Fund Admin S Waste	19,437.00	21,204.00	-1,767.00	91.7%
Total 534.300 · Operating Expenses	278,984.47	301,204.00	-22,219.53	92.6%
Total 534.000 · Solid Waste	278,984.47	301,204.00	-22,219.53	92.6%
535.000 · Sewer/Waste Water Services				
535.100 · Employee Benefits	49,929.75	60,000.00	-10,070.25	83.2%
535.120 · Salaries and Wages	117,967.92	125,498.00	-7,530.08	94.0%
535.125 · On Call Pay	8,004.42	8,500.00	-495.58	94.2%
535.140 · Overtime	4,033.29	3,000.00	1,033.29	134.4%
535.300 · Operating Expenses				
535.240 · Insurance	1,869.12	2,500.00	-630.88	74.8%
535.310 · Engineering	12,871.72	5,000.00	7,871.72	257.4%
535.311 · Legal Services	0.00	600.00	-600.00	0.0%
535.312 · NPDES Charges	0.00	1,000.00	-1,000.00	0.0%
535.320 · Accounting & Auditing - SW	5,250.00	11,000.00	-5,750.00	47.7%
535.340 · Contractual Services	5,104.11	4,000.00	1,104.11	127.6%
535.400 · Petroleum Products	1,946.87	10,000.00	-8,053.13	19.5%
535.410 · Communications Services	2,765.27	4,000.00	-1,234.73	69.1%
535.420 · Postage Supplies & Billing 1/3	8,046.43	8,500.00	-453.57	94.7%
535.430 · Utilities	17,395.33	28,000.00	-10,604.67	62.1%
535.431 · Wastewater Treatment - SW	147,494.43	148,000.00	-505.57	99.7%
535.450 · Insurance Auto & Equip	8,174.46	29,500.00	-21,325.54	27.7%
535.460 · Repairs & Maint Svc (Equip/Veh)	5,020.35	5,000.00	20.35	100.4%
535.490 · Other Expenditures	774.42	500.00	274.42	154.9%
535.521 · Supplies & Materials (Tools)	0.00	1,500.00	-1,500.00	0.0%
535.522 · Uniforms	413.59	900.00	-486.41	46.0%
535.540 · Education & Training	116.67			
535.541 · Travel, Meetings & Dues	524.94	1,500.00	-975.06	35.0%
535.581 · Transfer Out - Other Funds	38,958.37	60,900.00	-21,941.63	64.0%
535.602 · Repairs & Maint-Syst (Lift Sta)	25,524.67	12,000.00	13,524.67	212.7%
535.994 · Debt Service SRF 201 Planning	115,020.32	115,000.00	20.32	100.0%
535.995 · Lift Station Debt Svc-Bond Pmt	17,085.18	21,721.00	-4,635.82	78.7%
535.998 · Reserve / Contingency	0.00	63,100.00	-63,100.00	0.0%
Total 535.300 · Operating Expenses	414,356.25	534,221.00	-119,864.75	77.6%
Total 535.000 · Sewer/Waste Water Services	594,291.63	731,219.00	-136,927.37	81.3%
535.600 · Capital Outlay	3,500.00	50,000.00	-46,500.00	7.0%
538.000 · Stormwater				
538.910 · Stormwater Expenses - Operating	2,500.00			
Total 538.000 · Stormwater	2,500.00			
538.581 · Trnsfer of Stormwater Fees	0.00	50,000.00	-50,000.00	0.0%
Total Expense	1,404,111.34	1,765,700.00	-361,588.66	79.5%
Net Ordinary Income	1,734,349.09	0.00	1,734,349.09	100.0%
Net Income	1,734,349.09	0.00	1,734,349.09	100.0%

**City of Eagle Lake-Utility Fund**  
**Balance Sheet**  
As of August 31, 2021

	Aug 31, 21
<b>ASSETS</b>	
<b>Current Assets</b>	
<b>Checking/Savings</b>	
101.108 · UNRESTRICTED CASH - ALL	
101.109 · CS- UTILITY FUND	1,813,038.46
<b>Total 101.108 · UNRESTRICTED CASH - ALL</b>	1,813,038.46
102.216 · PETTY CASH-DRAWER SET UP	50.00
150.001 · RESTRICTED CASH - ALL	
101.104 · CS STORMWATER UTILITY FUND	248,196.19
101.110 · CS- DEPOSIT FUND	256,214.54
101.111 · CS - WATER IMPACT FUND	10,466.39
101.112 · CS- SEWER IMPACT FUND	9,253.70
101.121 · CS- WATER IMPACT SAVINGS	1,133,258.26
101.122 · CS- SEWER IMPACT SAVINGS	879,029.53
101.215 · WATER METER PROJECT-BB&T	56,232.35
151.113 · CS- RUS FUND	310,541.74
151.114 · CS- SRF SINKING FUND	5,472.52
151.116 · CS- LIFT STATION FUND	28,420.32
<b>Total 150.001 · RESTRICTED CASH - ALL</b>	2,937,085.54
<b>Total Checking/Savings</b>	4,750,174.00
<b>Accounts Receivable</b>	
1200 · *Accounts Receivable	4,997.58
<b>Total Accounts Receivable</b>	4,997.58
<b>Other Current Assets</b>	
110.000 · Accounts Receivable, Net	
115.100 · Accounts Receivable	269,561.93
116.100 · Unbilled Accounts Receivable	52,421.16
116.110 · Utility Returned Checks Rec.	16,478.25
117.100 · Allowance for Bad Debts	-7,764.16
<b>Total 110.000 · Accounts Receivable, Net</b>	330,697.18
131.000 · Due From Other Funds	
131.250 · Due to/from General Fund	46,097.76
131.350 · Due From/To Gen.Fund - Other	3,767.64
207.100 · Due to General Fund-Payroll	-11,382.78
207.200 · Due to General Fund-Sani/Storm	15,772.00
<b>Total 131.000 · Due From Other Funds</b>	54,254.62
141.100 · Inventory of Supplies	10,749.32
1499 · Undeposited Funds	241.09
<b>Total Other Current Assets</b>	395,942.21
<b>Total Current Assets</b>	5,151,113.79
<b>Fixed Assets</b>	
160.900 · Fixed Assets, Net	
161.900 · Land-Water	28,526.62
164.900 · Water Plant	2,456,640.73
164.901 · Sewer Plant	5,589,632.51
164.902 · Stormwater Plant	1,913,068.76
166.900 · Furniture & Equipment - Water	459,676.60
166.901 · Furniture & Equipment - Sewer	116,195.16
167.900 · Accumulated Depreciation-Water	-1,704,443.45
167.901 · Accumulated Depr - Sewer	-3,214,640.63
167.902 · Accumulated Depr. - Stormwater	-469,818.23
<b>Total 160.900 · Fixed Assets, Net</b>	5,174,838.07
<b>Total Fixed Assets</b>	5,174,838.07

**City of Eagle Lake-Utility Fund**  
**Balance Sheet**  
As of August 31, 2021

	Aug 31, 21
<b>TOTAL ASSETS</b>	<b>10,325,951.86</b>
<b>LIABILITIES &amp; EQUITY</b>	
<b>Liabilities</b>	
<b>Current Liabilities</b>	
Accounts Payable	
202.100 · Accounts Payable	252,375.84
Total Accounts Payable	252,375.84
<b>Other Current Liabilities</b>	
202.500 · Polk County Utility Tax	9,052.14
202.501 · Bartow Sewer Impact Fee Payable	71,820.00
208.100 · DUE TO STATE-UNCLAIMED PROPERTY	-955.10
215.000 · Accrued Payroll and Benefits	11,634.99
217.000 · Accrued Compensated Absences	
217.100 · Accrued Sick Pay	54,534.00
217.200 · Accrued Vacation Pay	18,917.48
217.300 · Accrued Compensatory Time	4,720.62
Total 217.000 · Accrued Compensated Absences	78,172.10
220.100 · Customer Deposits	264,214.97
232.950 · Accrued Interest Payable	13,455.32
239.100 · OPEB LIABILITY	35,932.86
Total Other Current Liabilities	483,327.28
Total Current Liabilities	735,703.12
<b>Long Term Liabilities</b>	
203.100 · State Revolving Loan - SW	487,125.13
203.120 · RUS Water Revenue Bonds - 2007	490,631.00
203.130 · USDA - Water Meter Loan	105,489.00
203.140 · USDA LOAN - LIFT STATIONS	394,788.00
203.150 · CURRENT PORTION OF LONG TERM D	140,852.77
203.155 · LESS CURRENT PORTION OF LTD	-140,852.77
203.902 · PLATINUM BANK - HARRISON	0.01
Total Long Term Liabilities	1,478,033.14
Total Liabilities	2,213,736.26
<b>Equity</b>	
281.500 · Retained Earnings	6,377,866.51
Net Income	1,734,349.09
Total Equity	8,112,215.60
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>10,325,951.86</b>

## CITY OF EAGLE LAKE - CRA

## ACCOUNT BALANCE

AUG 2021

ACCOUNT BALANCE AS OF JULY 31, 2021	199,405.23
DEPOSITS	1.74
CLEARED CHECKS	(1,790.63)
WITHDRAWALS/ACH	0.00
RETURNED CHECKS	0.00

ACCOUNT BALANCE AS OF AUG 31, 2021	<u>197,616.34</u>
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## OUTSTANDING CHECKS:

TOTAL OUTSTANDING CHECKS	<u>0.00</u>
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REMAINING ACCOUNT BALANCE	<u>197,616.34</u>
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10:50 AM

09/10/21

Accrual Basis

**City of Eagle Lake CRA**  
**Profit & Loss Budget vs. Actual**  
 October 2020 through August 2021

	<u>Oct '20 - A...</u>	<u>Budget</u>	<u>\$ Over Bu...</u>	<u>% of Budget</u>
<b>Income</b>				
<b>310.000 · Taxes-Other</b>				
311.100 · CRA Ad Valorem taxes - E.L.	20,000.00	20,000.00	0.00	100.0%
311.101 · Polk Cty.-tax increment EL-...	39,919.75	39,500.00	419.75	101.1%
<b>Total 310.000 · Taxes-Other</b>	59,919.75	59,500.00	419.75	100.7%
<b>361.100 · Interest Income</b>	334.74	270.00	64.74	124.0%
<b>Total Income</b>	60,254.49	59,770.00	484.49	100.8%
<b>Gross Profit</b>	60,254.49	59,770.00	484.49	100.8%
<b>Expense</b>				
<b>510.000 · Operating Expenses</b>				
510.311 · Legal Services	0.00	2,000.00	-2,000.00	0.0%
510.313 · Planning Services	0.00	2,000.00	-2,000.00	0.0%
510.420 · Postage, Supplies & Materi...	0.00	100.00	-100.00	0.0%
510.430 · Utilities	1,481.66	2,000.00	-518.34	74.1%
510.460 · Repair & Maint Service	175.00	1,000.00	-825.00	17.5%
510.470 · Printing and Binding-CRA	0.00	500.00	-500.00	0.0%
510.480 · Advertising	59.00	500.00	-441.00	11.8%
510.510 · Office Supplies - CRA	1,034.41	500.00	534.41	206.9%
510.520 · OPERATING SUPPLIES	0.00	500.00	-500.00	0.0%
510.541 · Travel, Meetings and Dues	0.00	100.00	-100.00	0.0%
510.832 · Facade Grant	0.00	4,000.00	-4,000.00	0.0%
510.991 · CRA CONTIGENCY	0.00	23,566.00	-23,566.00	0.0%
<b>Total 510.000 · Operating Expenses</b>	2,750.07	36,766.00	-34,015.93	7.5%
510.320 · Accounting & Auditing	0.00	3,000.00	-3,000.00	0.0%
510.581 · Transfer Out - Other Funds	18,337.00	20,004.00	-1,667.00	91.7%
<b>Total Expense</b>	21,087.07	59,770.00	-38,682.93	35.3%
<b>Net Income</b>	<b>39,167.42</b>	<b>0.00</b>	<b>39,167.42</b>	<b>100.0%</b>

City of Eagle Lake CRA  
**Balance Sheet**  
As of August 31, 2021

	<u>Aug 31, 21</u>
<b>ASSETS</b>	
Current Assets	
Checking/Savings	
101.408 · PB- CRA COMMUNITY REDEVELOPMENT	<u>197,616.34</u>
Total Checking/Savings	<u>197,616.34</u>
Other Current Assets	
131.382 · DUE TO GENERAL FUND-ADMIN FEES	<u>-10,267.94</u>
Total Other Current Assets	<u>-10,267.94</u>
Total Current Assets	<u>187,348.40</u>
<b>TOTAL ASSETS</b>	<b><u>187,348.40</u></b>
<b>LIABILITIES &amp; EQUITY</b>	
Liabilities	
Current Liabilities	
Accounts Payable	
202.000 · Accounts Payable	<u>1,667.00</u>
Total Accounts Payable	<u>1,667.00</u>
Other Current Liabilities	
131.390 · DUE TO GENERAL FUND --LOAN PAY	<u>16,000.00</u>
Total Other Current Liabilities	<u>16,000.00</u>
Total Current Liabilities	<u>17,667.00</u>
Total Liabilities	<u>17,667.00</u>
Equity	
1110 · Retained Earnings	<u>130,513.98</u>
Net Income	<u>39,167.42</u>
Total Equity	<u>169,681.40</u>
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b><u>187,348.40</u></b>