

APPENDICES

BREVARD COUNTY

WATER SUPPLY FACILITIES WORK PLAN

FOR
BREVARD COUNTY, FLORIDA
AUGUST 2023

Prepared for:



Prepared by:

BONNIE LANDRY
& ASSOCIATES Professional Planning Services

Kimley»Horn
Expect More. Experience Better.

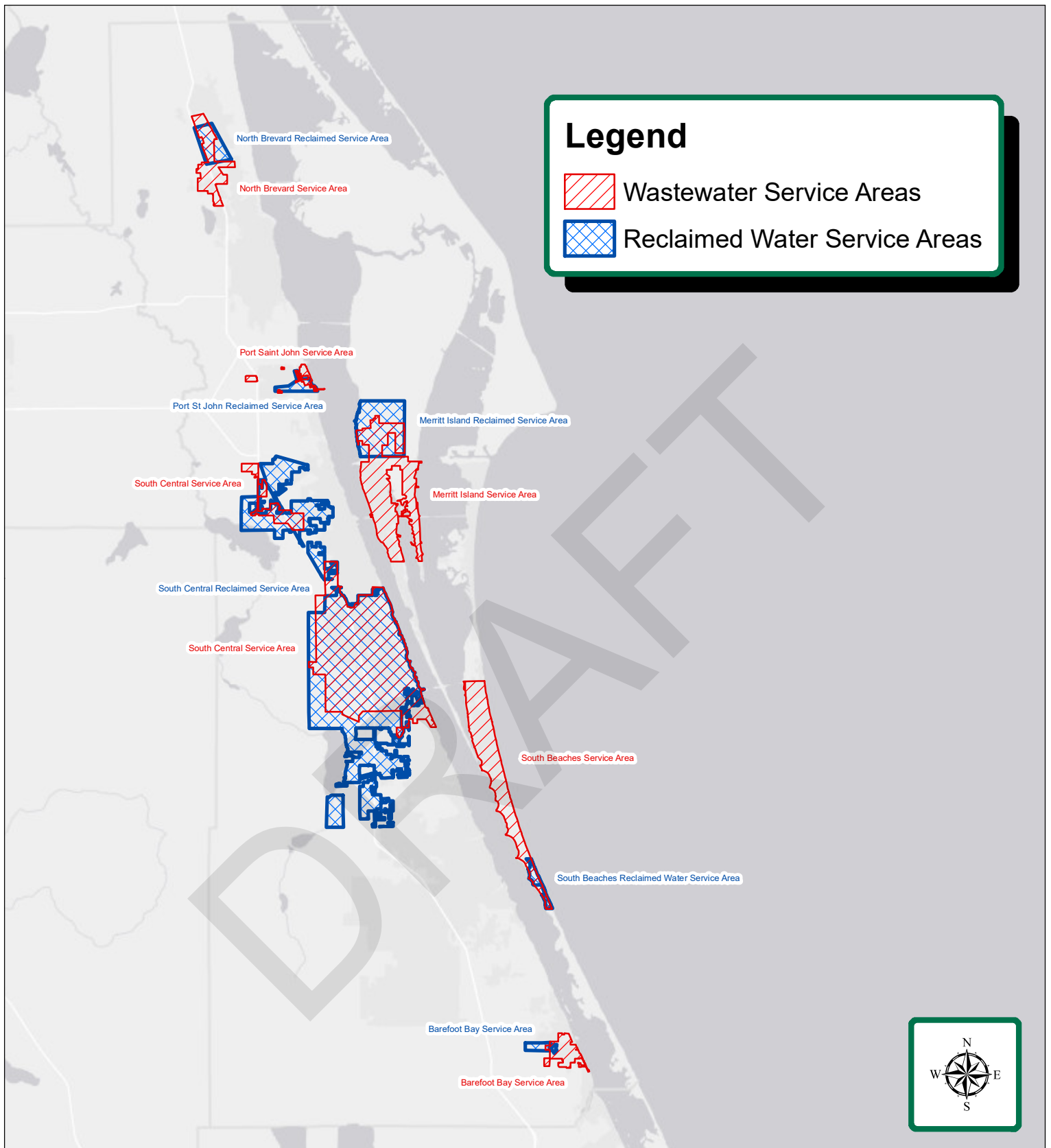
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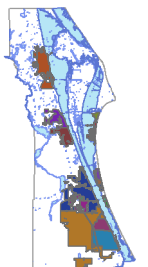


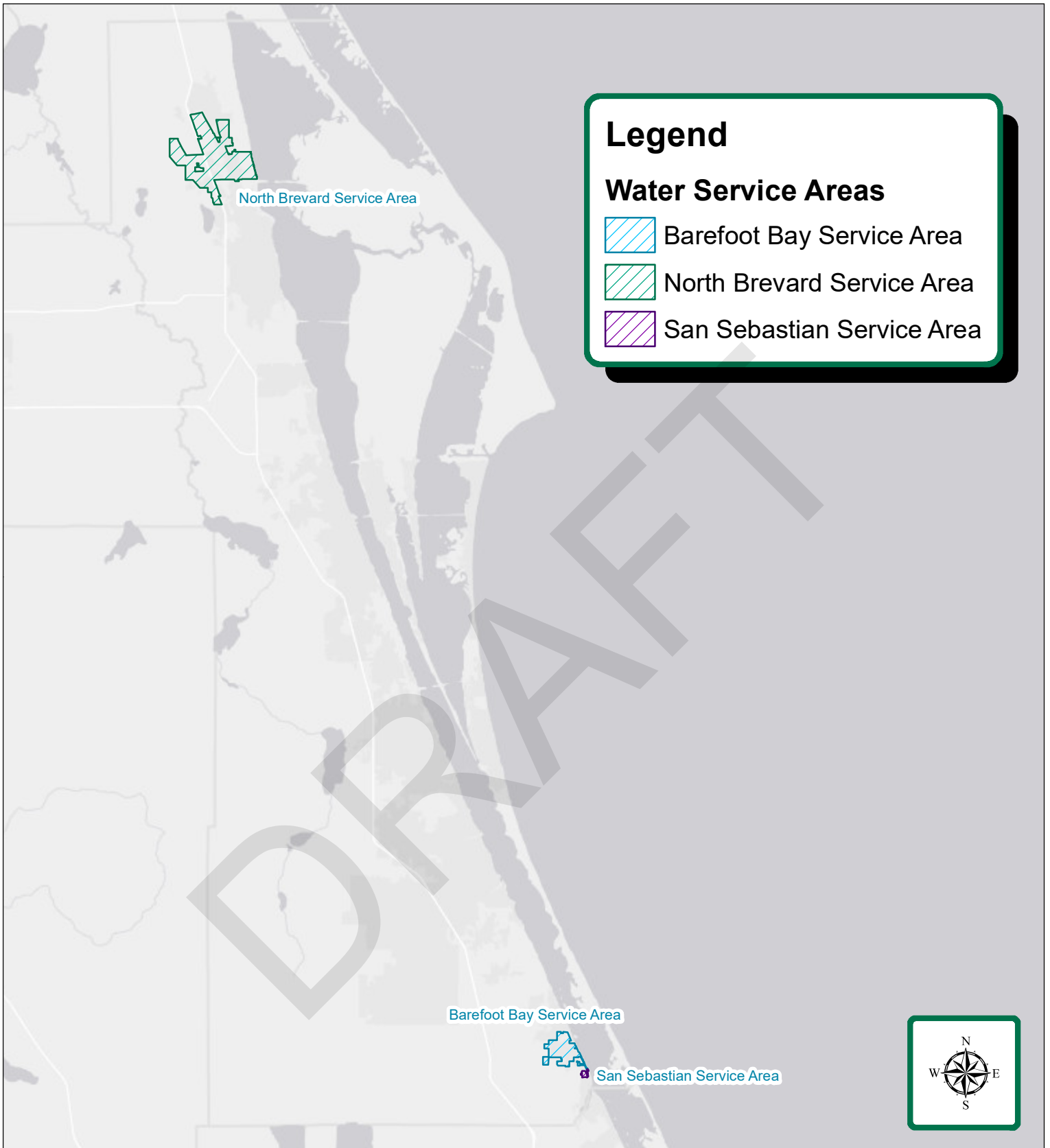
APPENDIX A

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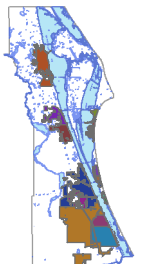


Utility Service Areas Map 2023





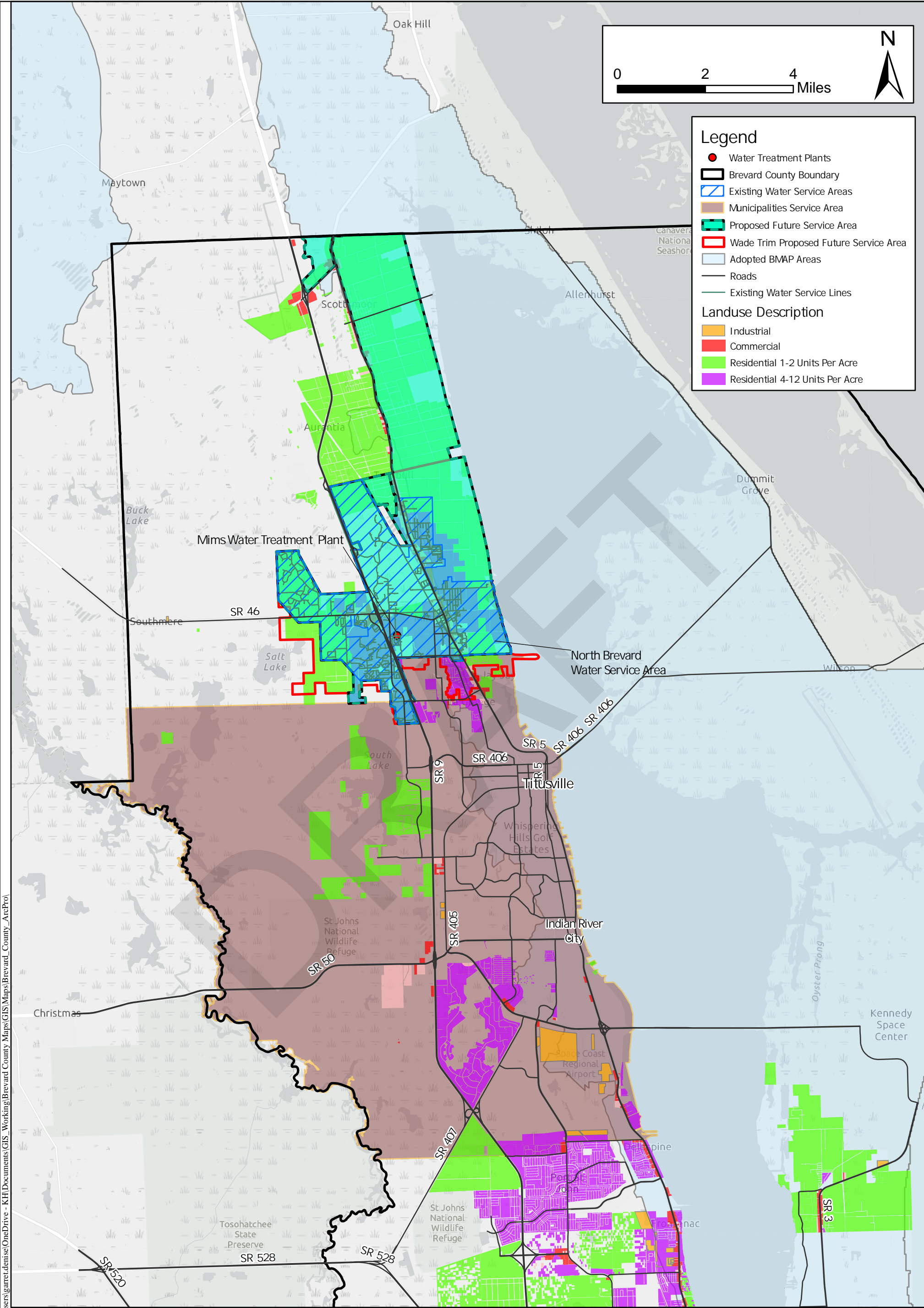
Water Service Areas Map 2023





APPENDIX B

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C:\Users\garrettenise\OneDrive - KHI\Documents\GIS_Working\Brevard County Maps\GIS\Maps\Brevard_County_ArcPro

Source: ESRI, FDOT, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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www.kimley-horn.com

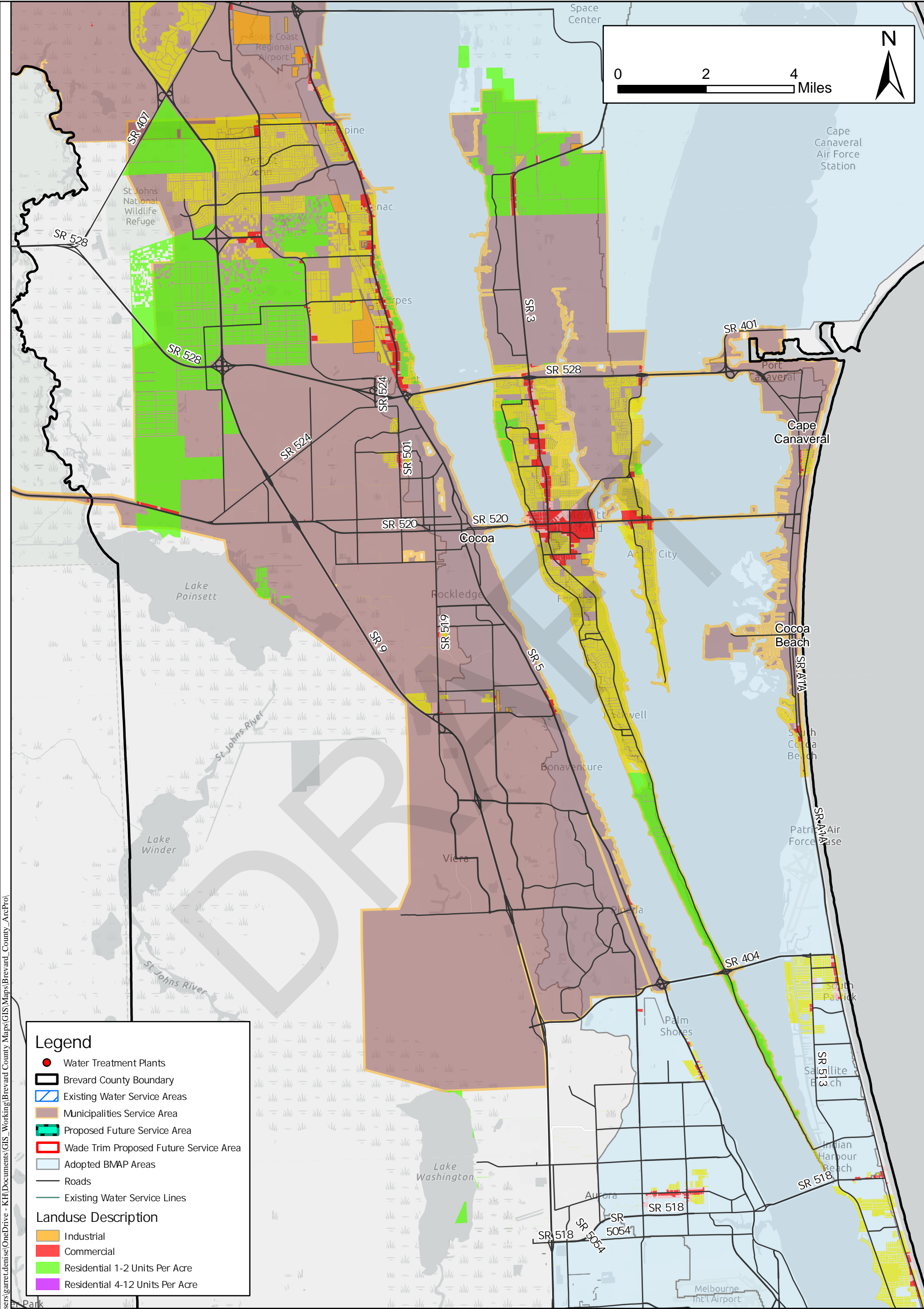
Future Water Service Area Boundary (North)

**Brevard County
Utility Service Area Map**

1 inch = 2 miles

PROJECT NUMBER: 140600003.1.300

JULY 2023



C:\Users\garret\denise\OneDrive - KHI\Documents\GIS_Working\Brevard County Maps\GIS\Maps\Brevard_County_ArcPro

Source: ESRI, FDOT, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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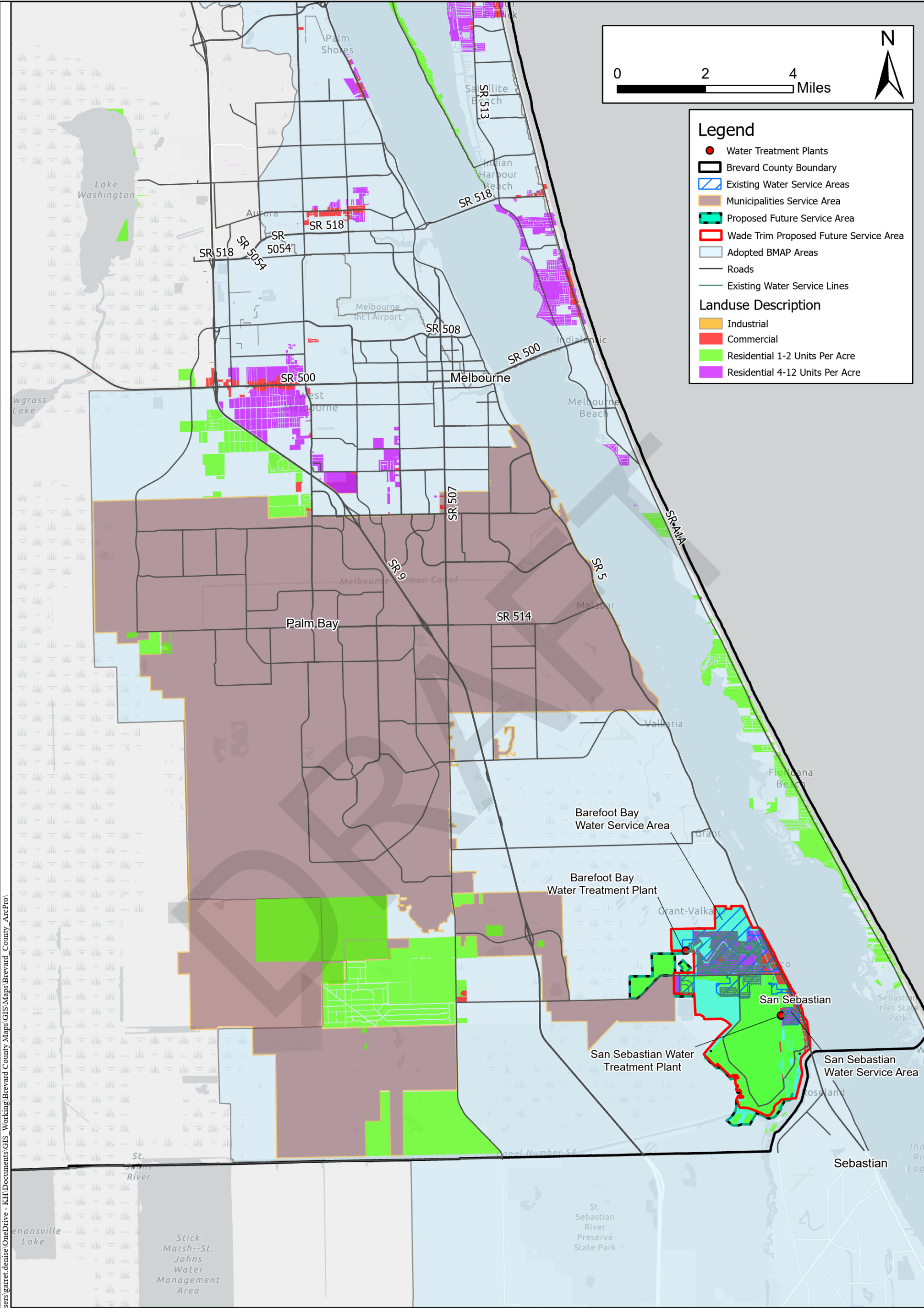
Future Water Service Area Boundary (Central)

Brevard County
Utility Service Area Map

1 inch = 2 miles

PROJECT NUMBER: 140600003.1.300

JULY 2023



C:\Users\garret.denise\OneDrive - KHI\Documents\GIS_Working\Brevard County Maps\GIS\Maps\Brevard_County_ArcPro\

Source: ESRI, FDOT, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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Future Water Service Area Boundary (South)

Brevard County
Utility Service Area Map

1 inch = 2 miles

PROJECT NUMBER: 140600003.1.300

JULY 2023



APPENDIX C

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CONSUMPTIVE USE PERMIT APPLICATION



St. Johns River Water Management District

4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • (386) 329-4500

Application forms may also be submitted electronically at floridaswater.com.

SECTION I – CONTACT INFORMATION

If necessary, attach additional sheets if there are multiple applicants, owners, agents, etc.

1. **APPLICANT** (Complete legal name in which permit should be issued)

NAME: **Barefoot Bay Water & Sewer District**

If applicant is a business, provide a contact person: **Jim Helmer**

ADDRESS: **2725 Judge Fran Jamieson Way, Utility Services Dept**

CITY, STATE, ZIP: **Melbourne FL 32940-6605**

PHONE: **(321) 633-2091**

CELL PHONE:

EMAIL ADDRESS: **jim.helmer@brevardfl.gov**

Do you want all correspondence to be transmitted electronically to this email address? ☐ Yes ☐ No

Applicant is: ☐ Owner ☐ Lessee* ☐ Other (explain)

*Attach copy of current lease, or written authorization from property owner

2. **OWNER** (If different than applicant)

NAME: **Jim Helmer, Barefoot Bay Water & Sewer District**

ADDRESS: **2725 Judge Fran Jamieson Way, Utility Services Dept**

CITY, STATE, ZIP: **Melbourne FL 32940-6605**

PHONE: **(321) 633-2091**

CELL PHONE:

EMAIL ADDRESS: **jim.helmer@brevardfl.gov**

3. **AGENT OR CONSULTANT** Address all correspondence to the person below? ☐ Yes ☐ No

NAME:

COMPANY NAME (if applicable):

ADDRESS:

CITY, STATE, ZIP:

PHONE:

CELL PHONE:

EMAIL ADDRESS:

4. **COMPLIANCE CONTACT** (Person responsible for ensuring that the permit conditions are met)

NAME: **Shelley Locklear, Barefoot Bay Water & Sewer District**

ADDRESS: **2575 Judge Fran Jamieson Way Bldg A-213**

CITY, STATE, ZIP: **Viera FL 32940**

PHONE: **(407) 633-2093**

CELL PHONE:

EMAIL ADDRESS: **shelley.locklear@brevardfl.gov**

SECTION II – APPLICATION INFORMATION

For permit application guidance, please refer to the Applicant's Handbook, Consumptive Uses of Water, which is incorporated by reference in Rule 40C-2.101(1)(a), F.A.C. (A.H.). Please complete all fields. Enter N/A for any fields that are not applicable.

1. **TYPE OF APPLICATION:** ☐ New ☒ Modification ☐ Renewal

If this application is for a modification, please describe the modification request and the reason the modification is necessary. **Transferring Well Station IDs 4213 and 4214 from the South Florida Sod Farm CUP 1708-7 to this CUP.**

2. **CONSUMPTIVE USE PERMIT NO.** (if application is for renewal or modification): 236

3. **REQUESTED PERMIT DURATION:** ☒ 20 years ☐ _____ years (up to 20 years)

☐ This project qualifies for a duration greater than 20 years, per Section 373.236, F.S.

4. **PROJECT NAME:** Barefoot Bay WTP **COUNTY:** Brevard

PHYSICAL ADDRESS: _____

5. **RELATED PERMITS** (for projects other than Public Supply)

☐ **ENVIRONMENTAL RESOURCE PERMIT:** MSSW/ERP No(s): _____

☐ **INDUSTRIAL WASTEWATER (IWW) PERMIT:** IWW Permit No(s): _____

☐ **NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT:**

NPDES Permit No(s): _____

SECTION III – USE TYPE CATEGORIES

Please check all applicable use categories associated with this application and complete the associated supplemental form(s) indicated. The **Minor Individual Supplemental Form** (Form No. 40C-2.900(2)) can be completed in lieu of Supplemental Forms A through G if all of the following criteria are met:

- Use is less than 100,000 gallons per day
- Withdrawal facilities (wells or pump intakes) are less than 8-inches diameter
- Combined withdrawal capacity is less than 1,000,000 gallons per day
- Use is not for Mining/Dewatering
- Use is for Public Supply where end users are not individually metered

Use Type Category	Supplemental Form
<input type="checkbox"/> Agricultural (e.g., crops, livestock, nursery, aquaculture, pasture)	Form A Form No. 40C-2.900(1)(a)
<input type="checkbox"/> Commercial / Industrial (e.g., service business, food and beverage production, cooling and heating, commercial attraction, manufacturing, chemical processing, power generation)	Form B Form No. 40C-2.900(1)(b)
<input type="checkbox"/> Landscape / Recreation (e.g., irrigation of parks, cemeteries, landscaped areas, golf courses, athletic fields, playgrounds)	Form C Form No. 40C-2.900(1)(c)
<input type="checkbox"/> Mining / Dewatering (e.g., water use or removal associated with construction or excavation)	Form D Form No. 40C-2.900(1)(d)
<input checked="" type="checkbox"/> Public Supply (e.g., public or privately owned potable water supply utility)	Form E Form No. 40C-2.900(1)(e)
<input type="checkbox"/> Environmental / Other (e.g., aquifer remediation, environmental enhancement, or the use of water for other purposes)	Form F Form No. 40C-2.900(1)(f)

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SECTION IV – SOURCES OF WATER
(please attach additional facility tables if necessary)

SUMMARY OF GROUNDWATER (WELL) FACILITIES

Site or Wellfield Name ¹	District ID (if available)	Florida Unique Well ID (if available)	Owner's Well Name	Capacity (gpm)	Pump Type ²	Casing Diameter (inches) ³	Casing Depth (feet)	Total Depth (feet)	Status ⁴ (include date if proposed)	Type of Water Use Accounting Method ⁵	Last Meter Check / Method Validation ⁶	Type of Water Use (refer to Section III)
Barefoot Bay WTP	4426		1	180		8	60	98	Active			
Barefoot Bay WTP	4427		2	180		8	73	98	Active			
Barefoot Bay WTP	4428		3	150		10	60	100	Active			
Barefoot Bay WTP	4429		4	125		10	60	100	Active			
Barefoot Bay WTP	4430		6	140		12	60	100	Active			
Barefoot Bay WTP	4431		7	160		12	60	100	Active			
Barefoot Bay WTP	4432		8	175		12	60	100	Active			
Barefoot Bay WTP	4433		9	200		12	60	100	Active			

1 If project consists of separate or non-contiguous pieces of property or wellfields

2 Centrifugal (impeller located above water level), submersible (pump set below water level), turbine (motor at ground surface that drives an impeller below water level), vacuum underdrain (typically used for dewatering), well point system (typically used for dewatering), or other (any pump that does not fall into one of the categories previously listed)

3 The casing diameter is defined as the largest permanent water-bearing casing of the well at land surface.

4 Active (currently in use), Inactive (capped, does not have power, or the connection to the water supply system has been severed), Abandoned (plugged and abandoned in accordance with 40C-3, Florida Administrative Code), or Proposed (include anticipated construction date)

5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter

6 Enter the date of the last flow meter accuracy check or alternative method validation

SUMMARY OF SURFACE WATER (PUMP) FACILITIES

Site Name ¹	District ID (if available)	Owner's Pump Name	Pump Capacity (gpm)	Pump Intake Diameter (inches)	Pump Type ²	Name of Surface Water Body	Type of Surface Water Body ³	Status ⁴ (include date if proposed)	Type of Water Use Accounting Method ⁵	Last Meter Check / Method Validation ⁶	Type of Water Use (refer to Section III)

1 If project consists of separate or non-contiguous pieces of property or wellfields

2 Centrifugal (impeller located above water level), submersible (pump set below water level), turbine (motor at ground surface that drives an impeller below water level), hydraulic dredge pump (typically used for mining), hydraulic dewatering pump (typically used for construction or mining), other (any pump that does not fall into one of the categories previously listed)

3 Ditch/canal, lake/pond (natural), lake/pond (artificial), river/creek, spring, mining/borrow pit

4 Active (currently in use), Inactive (does not have power, or the connection to the water supply system has been severed), Proposed

5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter

6 Enter the date of the last flow meter accuracy check or alternative method validation

SUMMARY OF CONNECTION POINT FACILITIES

Connection points include locations where potable or non-potable water (including reclaimed water) purchased from a water supplier enters a project site.

Site Name ¹	District ID (if available)	Owner's Connection Point Name	Water Supplier Name ²	Type of Surface Water Body ³	Status ⁴ (include date if proposed)	Type of Water Use Accounting Method ⁵	Last Meter Check / Method Validation ⁶	Type of Water Use (refer to Section III)

1 If project consists of separate or non-contiguous pieces of property or wellfields

2 Name of water supplier that provides water to the project through the connection point

3 Reclaimed water holding pond, stormwater management system

4 Active (currently in use), Inactive (the connection to the water supply system has been severed), Proposed

5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter

6 Enter the date of the last flow meter accuracy check or alternative method validation

SECTION V – USE OF LOWEST QUALITY WATER AND EVALUATION OF RECLAIMED WATER FEASIBILITY

The applicant may be required to evaluate the feasibility of utilizing reclaimed water and/or other lower quality water sources. The feasibility analysis must be completed as outlined in Section 2.3.3(e), A.H.

SECTION VI – SUMMARY OF REQUESTED WATER USE

Summarize the requested water use from each supplemental form (Agricultural, Public Supply, Commercial / Industrial, etc.) in the table below. Provide projections for each source, at five-year intervals, for the requested permit duration. If the requested permit duration exceeds 20 years, please attach a supplemental sheet providing additional five-year projections for each source.

Year	Requested Amounts and Source(s) of Water				Total Requested Water Use (mg/y)
	(mg/y ²)	(mg/y)	(mg/y)	(mg/y)	

¹ Provide the name of the water source. Examples include upper Floridan aquifer, stormwater pond, surficial aquifer, Davis Lake.

² Million gallons per year

SECTION VII – AQUIFER STORAGE AND RECOVERY *(complete if applicable)*

ASR Facility Name	Source of Stored Water ¹	Storage Aquifer Name	Recovery Water Destination	Projected Demand Average (mg/y)	Projected Demand Maximum (mg/y)	Projected Injected Average (mg/y)	Projected Injected Maximum (mg/y)

¹ Aquifer name, surface water body, water treatment plant name.

Please describe any projected increases or decreases (from historical average) in the amounts stored or recovered.

SECTION VIII – IMPACT EVALUATION

When determining whether the permit applicant has provided reasonable assurances that the conditions for issuance in Rule 40C-2.301, F.A.C., are met, the District will consider the projected impacts of the proposed consumptive use on an individual and cumulative basis. In order to provide reasonable assurance, studies and/or impact evaluations may be required. Please refer to the Applicant's Handbook for guidance regarding the impact evaluations and attach analyses, if applicable.

SECTION IX – APPLICANT CERTIFICATION

I certify that to the best of my knowledge and belief, all of the information provided on this form and in any attachment to it is correct. I also certify that I have legal authority to execute this application for the applicant and certify that the applicant will have sufficient legal authority to undertake the activities described herein. I understand that any material false statement in an application to continue, initiate, or modify a use, or any material false statement in any report or statement of fact required of the permittee, may result in revocation, in whole or in part, of the permit (Section 373.243(1), F.S.). With advance notice, I agree to provide St. Johns River Water Management District staff, with proper identification, entry to the project site for the purpose of performing analyses of the site for determining whether the conditions for issuance will be met. Further, if a permit is granted, I agree that, with advance notice, District staff with proper identification shall have permission to enter, inspect, collect samples, and take measurements of permitted facilities to determine compliance with the permit conditions and permitted plans and specifications.

(If applicable) I authorize _____ to act as my agent for permit application coordination.

Jim Helmer

APPLICANT'S NAME
(print or type)

APPLICANT'S SIGNATURE

25-JAN-18

DATE

AUTHORIZED AGENT'S NAME
(print or type)

AUTHORIZED AGENT'S SIGNATURE

DATE

When an application that will be considered by the District's Governing Board is complete, the applicant will be notified of the date of the hearing (Governing Board meeting) at which the application will be considered at least 14 days in advance. The Governing Board normally meets on the second Tuesday of the month.

SECTION X – APPLICANT CHECKLIST

The following items must be included with the permit application submittal:

- ☐ Proof of Property Control (e.g., deed, lease), if not already on file with the District
- ☐ Application Fee (refer to online fee schedule or Applicant's Handbook)
- ☐ Location/Site Map
- ☐ Supplemental Form(s) and associated supporting information (e.g., maps, calculations)
- ☐ Water Conservation Plan

Additional Addresses

Applicant	
------------------	--

Land Owner	
-------------------	--

Agent	
--------------	--

Compliance Contact	
---------------------------	--

Consultant	
-------------------	--

Water Use Reporting (EN-50) Contact	Mark Dowe Barefoot Bay Water Treatment Plant
--	---

	931 Barefoot Blvd Ste 2 Barefoot Bay FL 32976-7653
--	---

Attorney	
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DRAFT



CONSUMPTIVE USE PERMIT APPLICATION



St. Johns River Water Management District

4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • (386) 329-4500

Application forms may also be submitted electronically at floridaswater.com.

SECTION I – CONTACT INFORMATION

If necessary, attach additional sheets if there are multiple applicants, owners, agents, etc.

1. **APPLICANT** (Complete legal name in which permit should be issued)

NAME: **Brevard County Utility Services Department**

If applicant is a business, provide a contact person: **James Helmer**

ADDRESS: **2725 Judge Fran Jamieson Way**

CITY, STATE, ZIP: **Melbourne FL 32940-6605**

PHONE: **321-633-2091**

CELL PHONE:

EMAIL ADDRESS:

Do you want all correspondence to be transmitted electronically to this email address? ☐ Yes ☐ No

Applicant is: ☐ Owner ☐ Lessee* ☐ Other (explain)

*Attach copy of current lease, or written authorization from property owner

2. **OWNER** (If different than applicant)

NAME: **James Helmer, Brevard County Utility Services Department**

ADDRESS: **2725 Judge Fran Jamieson Way**

CITY, STATE, ZIP: **Melbourne FL 32940-6605**

PHONE: **321-633-2091**

CELL PHONE:

EMAIL ADDRESS:

3. **AGENT OR CONSULTANT** Address all correspondence to the person below? ☐ Yes ☐ No

NAME:

COMPANY NAME (if applicable):

ADDRESS:

CITY, STATE, ZIP:

PHONE:

CELL PHONE:

EMAIL ADDRESS:

4. **COMPLIANCE CONTACT** (Person responsible for ensuring that the permit conditions are met)

NAME: **Shelley Locklear, Barefoot Bay Water & Sewer District**

ADDRESS: **Bldg A-213, 2575 Judge Fran Jamieson Way**

CITY, STATE, ZIP: **Viera FL 32940**

PHONE: **321-633-2093**

CELL PHONE:

EMAIL ADDRESS: **shelley.locklear@brevardfl.gov**

SECTION II – APPLICATION INFORMATION

For permit application guidance, please refer to the Applicant's Handbook, Consumptive Uses of Water, which is incorporated by reference in Rule 40C-2.101(1)(a), F.A.C. (A.H.). Please complete all fields. Enter N/A for any fields that are not applicable.

1. **TYPE OF APPLICATION:** ☐ New ☐ Modification ☒ Renewal

If this application is for a modification, please describe the modification request and the reason the modification is necessary. _____

2. **CONSUMPTIVE USE PERMIT NO.** (if application is for renewal or modification): 233

3. **REQUESTED PERMIT DURATION:** ☒ 20 years ☐ _____ years (up to 20 years)

☐ This project qualifies for a duration greater than 20 years, per Section 373.236, F.S.

4. **PROJECT NAME:** Mims Water Supply System **COUNTY:** Brevard

PHYSICAL ADDRESS: 2262 High Drive Mims 32754

5. **RELATED PERMITS** (for projects other than Public Supply)

☐ **ENVIRONMENTAL RESOURCE PERMIT:** MSSW/ERP No(s): _____

☐ **INDUSTRIAL WASTEWATER (IWW) PERMIT:** IWW Permit No(s): _____

☐ **NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT:**

NPDES Permit No(s): _____

SECTION III – USE TYPE CATEGORIES

Please check all applicable use categories associated with this application and complete the associated supplemental form(s) indicated. The **Minor Individual Supplemental Form** (Form No. 40C-2.900(2)) can be completed in lieu of Supplemental Forms A through G if all of the following criteria are met:

- Use is less than 100,000 gallons per day
- Withdrawal facilities (wells or pump intakes) are less than 8-inches diameter
- Combined withdrawal capacity is less than 1,000,000 gallons per day
- Use is not for Mining/Dewatering
- Use is for Public Supply where end users are not individually metered

Use Type Category	Supplemental Form
<input type="checkbox"/> Agricultural (e.g., crops, livestock, nursery, aquaculture, pasture)	Form A Form No. 40C-2.900(1)(a)
<input type="checkbox"/> Commercial / Industrial (e.g., service business, food and beverage production, cooling and heating, commercial attraction, manufacturing, chemical processing, power generation)	Form B Form No. 40C-2.900(1)(b)
<input type="checkbox"/> Landscape / Recreation (e.g., irrigation of parks, cemeteries, landscaped areas, golf courses, athletic fields, playgrounds)	Form C Form No. 40C-2.900(1)(c)
<input type="checkbox"/> Mining / Dewatering (e.g., water use or removal associated with construction or excavation)	Form D Form No. 40C-2.900(1)(d)
<input checked="" type="checkbox"/> Public Supply (e.g., public or privately owned potable water supply utility)	Form E Form No. 40C-2.900(1)(e)
<input type="checkbox"/> Environmental / Other (e.g., aquifer remediation, environmental enhancement, or the use of water for other purposes)	Form F Form No. 40C-2.900(1)(f)
<input type="checkbox"/> Institutional (e.g., hospital, university, military base, correctional facility)	Form G Form No. 40C-2.900(1)(g)

SECTION IV – SOURCES OF WATER
(please attach additional facility tables if necessary)

SUMMARY OF GROUNDWATER (WELL) FACILITIES

Site or Wellfield Name ¹	District ID (if available)	Florida Unique Well ID (if available)	Owner's Well Name	Capacity (gpm)	Pump Type ²	Casing Diameter (inches) ³	Casing Depth (feet)	Total Depth (feet)	Status ⁴ (include date if proposed)	Type of Water Use Accounting Method ⁵	Last Meter Check / Method Validation ⁶	Type of Water Use (refer to Section III)
Mims Water Supply System	36150		16	300		12	50	80	Proposed			
Mims Water Supply System	36149		15	300		12	50	80	Proposed			
Mims Water Supply System	36151		17	300		12	50	80	Proposed			
Mims Water Supply System	36152		18	300		12	50	80	Proposed			
Mims Water Supply System	36153		19	300		12	50	80	Proposed			
Mims Water	36154		20	300		12	50	80	Proposed			

Supply System												
Mims Water Supply System	36155		21	300		12	50	80	Proposed			
Mims Water Supply System	36156		22	300		12	50	80	Proposed			
Mims Water Supply System	0		GMW-CL4 (MW 8-9)				Unknown	Unknown	Active			
Mims Water Supply System	0		Monitoring Station at Well 7 (PZ2)				Unknown	Unknown	Active			
Mims Water Supply System	0		Monitoring Station at Well 7 (PZ1) (S13 T21S R34E)				Unknown	Unknown	Active			
Mims Water Supply System	0		GMW-AII5 (MW 10-11)				Unknown	Unknown	Active			

Mims Water Supply System	0		GMW-CL3 (MW 7)				Unknown	Unknown	Active			
Mims Water Supply System	0		Monitoring Station at Well 6 (PZ3) (S19 T21S R35E)				Unknown	Unknown	Active			
Mims Water Supply System	0		Monitoring Station at Well 6 (PZ4)				Unknown	Unknown	Active			
Mims Water Supply System	0		GMW-CL5 (MW 6)				Unknown	Unknown	Active			
Mims Water Supply System	36147		13	300		12	50	80	Proposed			
Mims Water Supply System	4304		7	280		12	35	70	Active			
Mims Water Supply	4312		1	350		8	63	90	Active			

System												
Mims Water Supply System	36148		14	300		12	50	80	Proposed			
Mims Water Supply System	4313		2	350		12	50	70	Active			
Mims Water Supply System	4315		4	350		8	61	66	Active			
Mims Water Supply System	4316		5	150		10	62	80	Active			
Mims Water Supply System	4321		11	250		12	55	80	Active			
Mims Water Supply System	4322		12	300		12	50	80	Proposed			
Mims Water Supply	4317		6	200		12	50	70	Active			

System												
Mims Water Supply System	4318		8	240		12	30	65	Active			
Mims Water Supply System	4319		9	350		12	65	85	Active			
Mims Water Supply System	4320		10	350		12	42	67	Active			

1 If project consists of separate or non-contiguous pieces of property or wellfields

2 Centrifugal (impeller located above water level), submersible (pump set below water level), turbine (motor at ground surface that drives an impeller below water level), vacuum underdrain (typically used for dewatering), well point system (typically used for dewatering), or other (any pump that does not fall into one of the categories previously listed)

3 The casing diameter is defined as the largest permanent water-bearing casing of the well at land surface.

4 Active (currently in use), Inactive (capped, does not have power, or the connection to the water supply system has been severed), Abandoned (plugged and abandoned in accordance with 40C-3, Florida Administrative Code), or Proposed (include anticipated construction date)

5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter

6 Enter the date of the last flow meter accuracy check or alternative method validation

SUMMARY OF SURFACE WATER (PUMP) FACILITIES

Site Name ¹	District ID (if available)	Owner's Pump Name	Pump Capacity (gpm)	Pump Intake Diameter (inches)	Pump Type ²	Name of Surface Water Body	Type of Surface Water Body ³	Status ⁴ (include date if proposed)	Type of Water Use Accounting Method ⁵	Last Meter Check / Method Validation ⁶	Type of Water Use (refer to Section III)

1 If project consists of separate or non-contiguous pieces of property or wellfields

2 Centrifugal (impeller located above water level), submersible (pump set below water level), turbine (motor at ground surface that drives an impeller below water level), hydraulic dredge pump (typically used for mining), hydraulic dewatering pump (typically used for construction or mining), other (any pump that does not fall into one of the categories previously listed)

3 Ditch/canal, lake/pond (natural), lake/pond (artificial), river/creek, spring, mining/borrow pit

4 Active (currently in use), Inactive (does not have power, or the connection to the water supply system has been severed), Proposed

- 5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter
 6 Enter the date of the last flow meter accuracy check or alternative method validation

SUMMARY OF CONNECTION POINT FACILITIES

Connection points include locations where potable or non-potable water (including reclaimed water) purchased from a water supplier enters a project site.

Site Name ¹	District ID (if available)	Owner's Connection Point Name	Water Supplier Name ²	Type of Surface Water Body ³	Status ⁴ (include date if proposed)	Type of Water Use Accounting Method ⁵	Last Meter Check / Method Validation ⁶	Type of Water Use (refer to Section III)

- 1 If project consists of separate or non-contiguous pieces of property or wellfields
 2 Name of water supplier that provides water to the project through the connection point
 3 Reclaimed water holding pond, stormwater management system
 4 Active (currently in use), Inactive (the connection to the water supply system has been severed), Proposed
 5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter
 6 Enter the date of the last flow meter accuracy check or alternative method validation

SECTION V – USE OF LOWEST QUALITY WATER AND EVALUATION OF RECLAIMED WATER FEASIBILITY

The applicant may be required to evaluate the feasibility of utilizing reclaimed water and/or other lower quality water sources. The feasibility analysis must be completed as outlined in Section 2.3.3(e), A.H.

SECTION VI – SUMMARY OF REQUESTED WATER USE

Summarize the requested water use from each supplemental form (Agricultural, Public Supply, Commercial / Industrial, etc.) in the table below. Provide projections for each source, at five-year intervals, for the requested permit duration. If the requested permit duration exceeds 20 years, please attach a supplemental sheet providing additional five-year projections for each source.

Year	Requested Amounts and Source(s) of Water				
	Surficial Aquafer (mg ²)	Surficial Aquifer (mg)	(mg)	(mg)	Total Requested Water Use (mg)
Other/U nknown	2 7 7 . 9	3 2 1 . 2			277.9
2023 - 2028		3 1 0 . 8			310.8
2028 - 2033		3 1 9 . 5			319.5
2033 - 2038		3 2 1 . 2			321.2

¹ Provide the name of the water source. Examples include upper Floridan aquifer, stormwater pond, surficial aquifer, Davis Lake.

² Million gallons per year

SECTION VII – AQUIFER STORAGE AND RECOVERY *(complete if applicable)*

ASR Facility Name	Source of Stored Water ¹	Storage Aquifer Name	Recovery Water Destination	Projected Demand Average (mg)	Projected Demand Maximum (mg)	Projected Injected Average (mg)	Projected Injected Maximum (mg)

¹ Aquifer name, surface water body, water treatment plant name.

Please describe any projected increases or decreases (from historical average) in the amounts stored or recovered.

SECTION VIII – IMPACT EVALUATION

When determining whether the permit applicant has provided reasonable assurances that the conditions for issuance in Rule 40C-2.301, F.A.C., are met, the District will consider the projected impacts of the proposed consumptive use on an individual and cumulative basis. In order to provide reasonable assurance, studies and/or impact evaluations may be required. Please refer to the Applicant's Handbook for guidance regarding the impact evaluations and attach analyses, if applicable.

SECTION IX – APPLICANT CERTIFICATION

I certify that to the best of my knowledge and belief, all of the information provided on this form and in any attachment to it is correct. I also certify that I have legal authority to execute this application for the applicant and certify that the applicant will have sufficient legal authority to undertake the activities described herein. I understand that any material false statement in an application to continue, initiate, or modify a use, or any material false statement in any report or statement of fact required of the permittee, may result in revocation, in whole or in part, of the permit (Section 373.243(1), F.S.). With advance notice, I agree to provide St. Johns River Water Management District staff, with proper identification, entry to the project site for the purpose of performing analyses of the site for determining whether the conditions for issuance will be met. Further, if a permit is granted, I agree that, with advance notice, District staff with proper identification shall have permission to enter, inspect, collect samples, and take measurements of permitted facilities to determine compliance with the permit conditions and permitted plans and specifications.

(If applicable) I authorize _____ to act as my agent for permit application coordination.

James Helmer

APPLICANT'S NAME
(print or type)

APPLICANT'S SIGNATURE

08-JUN-18

DATE

AUTHORIZED AGENT'S NAME
(print or type)

AUTHORIZED AGENT'S SIGNATURE

DATE

When an application that will be considered by the District's Governing Board is complete, the applicant will be notified of the date of the hearing (Governing Board meeting) at which the application will be considered at least 14 days in advance. The Governing Board normally meets on the second Tuesday of the month.

SECTION X – APPLICANT CHECKLIST

The following items must be included with the permit application submittal:

- ☐ Proof of Property Control (e.g., deed, lease), if not already on file with the District
- ☐ Application Fee (refer to online fee schedule or Applicant's Handbook)

- ☐ Location/Site Map
- ☐ Supplemental Form(s) and associated supporting information (e.g., maps, calculations)
- ☐ Water Conservation Plan

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Additional Addresses

Applicant	
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Land Owner	
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Agent	
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Compliance Contact	
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Consultant	
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Water Use Reporting (EN-50) Contact	Rudy Khan Brevard County Utility Services Department
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	2725 Judge Fran Jamieson Way Melbourne FL 32940-6605
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Attorney	
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CONSUMPTIVE USE PERMIT APPLICATION



St. Johns River Water Management District

4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • (386) 329-4500

Application forms may also be submitted electronically at floridaswater.com.

SECTION I – CONTACT INFORMATION

If necessary, attach additional sheets if there are multiple applicants, owners, agents, etc.

1. **APPLICANT** (Complete legal name in which permit should be issued)

NAME: **Brevard County Utility Services**

If applicant is a business, provide a contact person: **Edward Fontanin**

ADDRESS: **2725 Judge Fran Jamieson Way**

CITY, STATE, ZIP: **Viera FL 32940-6605**

PHONE: **(321) 350-8374**

CELL PHONE:

EMAIL ADDRESS: **Edward.fontanin@brevardfl.gov**

Do you want all correspondence to be transmitted electronically to this email address? ☐ Yes ☐ No

Applicant is: ☒ Owner ☐ Lessee* ☐ Other (explain)

*Attach copy of current lease, or written authorization from property owner

2. **OWNER** (If different than applicant)

NAME: **Edward Fontanin, Brevard County Utility Services**

ADDRESS: **2725 Judge Fran Jamieson Way**

CITY, STATE, ZIP: **Viera FL 32940-6605**

PHONE: **(321) 350-8374**

CELL PHONE:

EMAIL ADDRESS: **Edward.fontanin@brevardfl.gov**

3. **AGENT OR CONSULTANT** Address all correspondence to the person below? ☐ Yes ☐ No

NAME: **Courtney Duff**

COMPANY NAME (if applicable): **Brevard County Utility Services**

ADDRESS: **2725 Judge Fran Jamieson Way Bldg A Ste 213**

CITY, STATE, ZIP: **Viera FL 32940-6605**

PHONE: **(321) 350-8374**

CELL PHONE: **(321) 507-8136**

EMAIL ADDRESS: **Courtney.Duff@brevardfl.gov**

4. **COMPLIANCE CONTACT** (Person responsible for ensuring that the permit conditions are met)

NAME: **Courtney Duff, Brevard County Utility Services**

ADDRESS: **2725 Judge Fran Jamieson Way Bldg A Ste 213**

CITY, STATE, ZIP: **Viera FL 32940-6605**

PHONE: **(321) 350-8374**

CELL PHONE: **(321) 507-8136**

EMAIL ADDRESS: **Courtney.Duff@brevardfl.gov**

SECTION II – APPLICATION INFORMATION

For permit application guidance, please refer to the Applicant's Handbook, Consumptive Uses of Water, which is incorporated by reference in Rule 40C-2.101(1)(a), F.A.C. (A.H.). Please complete all fields. Enter N/A for any fields that are not applicable.

1. **TYPE OF APPLICATION:** ☐ New ☐ Modification ☒ Renewal

If this application is for a modification, please describe the modification request and the reason the modification is necessary. _____

2. **CONSUMPTIVE USE PERMIT NO.** (if application is for renewal or modification): **1742**

3. **REQUESTED PERMIT DURATION:** ☒ 20 years ☐ _____ years (up to 20 years)

☐ This project qualifies for a duration greater than 20 years, per Section 373.236, F.S.

4. **PROJECT NAME:** **San Sebastian Water** **COUNTY:** **Brevard**

PHYSICAL ADDRESS: _____

5. **RELATED PERMITS** (for projects other than Public Supply)

☐ ENVIRONMENTAL RESOURCE PERMIT: MSSW/ERP No(s): _____

☐ INDUSTRIAL WASTEWATER (IWW) PERMIT: IWW Permit No(s): _____

☐ NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT:

NPDES Permit No(s): _____

SECTION III – USE TYPE CATEGORIES

Please check all applicable use categories associated with this application and complete the associated supplemental form(s) indicated. The **Minor Individual Supplemental Form** (Form No. 40C-2.900(2)) can be completed in lieu of Supplemental Forms A through G if all of the following criteria are met:

- Use is less than 100,000 gallons per day
- Withdrawal facilities (wells or pump intakes) are less than 8-inches diameter
- Combined withdrawal capacity is less than 1,000,000 gallons per day
- Use is not for Mining/Dewatering
- Use is for Public Supply where end users are not individually metered

Use Type Category	Supplemental Form
<input type="checkbox"/> Agricultural (e.g., crops, livestock, nursery, aquaculture, pasture)	Form A Form No. 40C-2.900(1)(a)
<input type="checkbox"/> Commercial / Industrial (e.g., service business, food and beverage production, cooling and heating, commercial attraction, manufacturing, chemical processing, power generation)	Form B Form No. 40C-2.900(1)(b)
<input type="checkbox"/> Landscape / Recreation (e.g., irrigation of parks, cemeteries, landscaped areas, golf courses, athletic fields, playgrounds)	Form C Form No. 40C-2.900(1)(c)
<input type="checkbox"/> Mining / Dewatering (e.g., water use or removal associated with construction or excavation)	Form D Form No. 40C-2.900(1)(d)
<input checked="" type="checkbox"/> Public Supply (e.g., public or privately owned potable water supply utility)	Form E Form No. 40C-2.900(1)(e)
<input type="checkbox"/> Environmental / Other (e.g., aquifer remediation, environmental enhancement, or the use of water for other purposes)	Form F Form No. 40C-2.900(1)(f)
<input type="checkbox"/> Institutional (e.g., hospital, university, military base, correctional facility)	Form G Form No. 40C-2.900(1)(g)

SECTION IV – SOURCES OF WATER
(please attach additional facility tables if necessary)

SUMMARY OF GROUNDWATER (WELL) FACILITIES

Site or Wellfield Name ¹	District ID (if available)	Florida Unique Well ID (if available)	Owner's Well Name	Capacity (gpm)	Pump Type ²	Casing Diameter (inches) ³	Casing Depth (feet)	Total Depth (feet)	Status ⁴ (include date if proposed)	Type of Water Use Accounting Method ⁵	Last Meter Check / Method Validation ⁶	Type of Water Use (refer to Section III)
San Sebastian Water LLC	478472		West Well # 5- replace ment for Well 1	150	Submersible		72	95	Proposed		10-MAY-18	
San Sebastian Water LLC	38982		4 - replace for Well 2	55		6	83	103	Active			

1 If project consists of separate or non-contiguous pieces of property or wellfields

2 Centrifugal (impeller located above water level), submersible (pump set below water level), turbine (motor at ground surface that drives an impeller below water level), vacuum underdrain (typically used for dewatering), well point system (typically used for dewatering), or other (any pump that does not fall into one of the categories previously listed)

3 The casing diameter is defined as the largest permanent water-bearing casing of the well at land surface.

- 4 Active (currently in use), Inactive (capped, does not have power, or the connection to the water supply system has been severed), Abandoned (plugged and abandoned in accordance with 40C-3, Florida Administrative Code), or Proposed (include anticipated construction date)
- 5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter
- 6 Enter the date of the last flow meter accuracy check or alternative method validation

SUMMARY OF SURFACE WATER (PUMP) FACILITIES

Site Name ¹	District ID (if available)	Owner's Pump Name	Pump Capacity (gpm)	Pump Intake Diameter (inches)	Pump Type ²	Name of Surface Water Body	Type of Surface Water Body ³	Status ⁴ (include date if proposed)	Type of Water Use Accounting Method ⁵	Last Meter Check / Method Validation ⁶	Type of Water Use (refer to Section III)

1 If project consists of separate or non-contiguous pieces of property or wellfields

2 Centrifugal (impeller located above water level), submersible (pump set below water level), turbine (motor at ground surface that drives an impeller below water level), hydraulic dredge pump (typically used for mining), hydraulic dewatering pump (typically used for construction or mining), other (any pump that does not fall into one of the categories previously listed)

3 Ditch/canal, lake/pond (natural), lake/pond (artificial), river/creek, spring, mining/borrow pit

4 Active (currently in use), Inactive (does not have power, or the connection to the water supply system has been severed), Proposed

5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter

6 Enter the date of the last flow meter accuracy check or alternative method validation

SUMMARY OF CONNECTION POINT FACILITIES

Connection points include locations where potable or non-potable water (including reclaimed water) purchased from a water supplier enters a project site.

Site Name ¹	District ID (if available)	Owner's Connection Point Name	Water Supplier Name ²	Type of Surface Water Body ³	Status ⁴ (include date if proposed)	Type of Water Use Accounting Method ⁵	Last Meter Check / Method Validation ⁶	Type of Water Use (refer to Section III)

1 If project consists of separate or non-contiguous pieces of property or wellfields

2 Name of water supplier that provides water to the project through the connection point

3 Reclaimed water holding pond, stormwater management system

4 Active (currently in use), Inactive (the connection to the water supply system has been severed), Proposed

- 5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter
- 6 Enter the date of the last flow meter accuracy check or alternative method validation

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SECTION V – USE OF LOWEST QUALITY WATER AND EVALUATION OF RECLAIMED WATER FEASIBILITY

The applicant may be required to evaluate the feasibility of utilizing reclaimed water and/or other lower quality water sources. The feasibility analysis must be completed as outlined in Section 2.3.3(e), A.H.

SECTION VI – SUMMARY OF REQUESTED WATER USE

Summarize the requested water use from each supplemental form (Agricultural, Public Supply, Commercial / Industrial, etc.) in the table below. Provide projections for each source, at five-year intervals, for the requested permit duration. If the requested permit duration exceeds 20 years, please attach a supplemental sheet providing additional five-year projections for each source.

Year	Requested Amounts and Source(s) of Water				
	Surficial Aquifer (mg ²)	(mg ^y)	(mg ^y)	(mg ^y)	Total Requested Water Use (mg ^y)
Other/Unknown	31.32				28.08
2026 - 2031	29.15				29.15
2031 - 2036	30.22				30.22
2036 - 2041	31.32				31.32

¹ Provide the name of the water source. Examples include upper Floridan aquifer, stormwater pond, surficial aquifer, Davis Lake.

² Million gallons per year

SECTION VII – AQUIFER STORAGE AND RECOVERY *(complete if applicable)*

ASR Facility Name	Source of Stored Water ¹	Storage Aquifer Name	Recovery Water Destination	Projected Demand Average (mg ^y)	Projected Demand Maximum (mg ^y)	Projected Injected Average (mg ^y)	Projected Injected Maximum (mg ^y)

¹ Aquifer name, surface water body, water treatment plant name.

Please describe any projected increases or decreases (from historical average) in the amounts stored or recovered.

SECTION VIII – IMPACT EVALUATION

When determining whether the permit applicant has provided reasonable assurances that the conditions for issuance in Rule 40C-2.301, F.A.C., are met, the District will consider the projected impacts of the proposed consumptive use on an individual and cumulative basis. In order to provide reasonable assurance, studies and/or impact evaluations may be required. Please refer to the Applicant's Handbook for guidance regarding the impact evaluations and attach analyses, if applicable.

SECTION IX – APPLICANT CERTIFICATION

I certify that to the best of my knowledge and belief, all of the information provided on this form and in any attachment to it is correct. I also certify that I have legal authority to execute this application for the applicant and certify that the applicant will have sufficient legal authority to undertake the activities described herein. I understand that any material false statement in an application to continue, initiate, or modify a use, or any material false statement in any report or statement of fact required of the permittee, may result in revocation, in whole or in part, of the permit (Section 373.243(1), F.S.). With advance notice, I agree to provide St. Johns River Water Management District staff, with proper identification, entry to the project site for the purpose of performing analyses of the site for determining whether the conditions for issuance will be met. Further, if a permit is granted, I agree that, with advance notice, District staff with proper identification shall have permission to enter, inspect, collect samples, and take measurements of permitted facilities to determine compliance with the permit conditions and permitted plans and specifications.

(If applicable) I authorize **Courtney Duff** to act as my agent for permit application coordination.

Edward Fontanin

APPLICANT'S NAME
(print or type)

APPLICANT'S SIGNATURE

22-JUN-21

DATE

Courtney Duff

AUTHORIZED AGENT'S NAME
(print or type)

Courtney Duff

AUTHORIZED AGENT'S SIGNATURE

22-JUN-21

DATE

When an application that will be considered by the District's Governing Board is complete, the applicant will be notified of the date of the hearing (Governing Board meeting) at which the application will be considered at least 14 days in advance. The Governing Board normally meets on the second Tuesday of the month.

SECTION X – APPLICANT CHECKLIST

The following items must be included with the permit application submittal:

- ☐ Proof of Property Control (e.g., deed, lease), if not already on file with the District
- ☐ Application Fee (refer to online fee schedule or Applicant's Handbook)
- ☐ Location/Site Map
- ☐ Supplemental Form(s) and associated supporting information (e.g., maps, calculations)
- ☐ Water Conservation Plan

Additional Addresses

Applicant	
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Land Owner	
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Agent	
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Compliance Contact	
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Consultant	
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Water Use Reporting (EN-50) Contact	
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Attorney	
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St. Johns River Water Management District

Hans G. Tanzler III, Executive Director

4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • (386) 329-4500
On the Internet at floridaswater.com.

March 21, 2013

City of Titusville
2836 Garden St
Titusville, FL 32796

SUBJECT: Consumptive Use Permit Number 2-009-10647-7
Titusville Area II & Area III Wellfields

Dear Sir/Madam:

Enclosed is your permit as authorized by the St. Johns River Water Management District on March 21, 2013.

Please be advised that the period of time within which a third party may request an administrative hearing on this permit may not have expired by the date of issuance. A potential petitioner has twenty-six (26) days from the date on which the actual notice is deposited in the mail, or twenty-one (21) days from publication of this notice when actual notice is not provided, within which to file a petition for an administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes. Receipt of such a petition by the District may result in this permit becoming null and void.

Permit issuance does not relieve you from the responsibility of obtaining permits from any federal, state and/or local agencies asserting concurrent jurisdiction over this work.

The enclosed permit is a legal document and should be kept with your other important records. Please read the permit and conditions carefully since the referenced conditions may require submittal of additional information. All information submitted as compliance with permit conditions must be submitted to the nearest District Service Center and should include the above referenced permit number.

Sincerely,

A handwritten signature in cursive script that reads 'M. Daniels'.

Margaret Daniels, Bureau Chief
Bureau of Regulatory Support

Enclosures: Permit, Conditions for Issuance,

cc: District Permit File

Attorney: City of Titusville
C/O Dwight W Severs
PO Box 2806
Titusville, FL 32781-2806

GOVERNING BOARD

Lad Daniels, CHAIRMAN
JACKSONVILLE

John A. Miklos, VICE CHAIRMAN
ORLANDO

Douglas C. Bournique, SECRETARY
VERO BEACH

Maryam H. Ghyabi, TREASURER
ORMOND BEACH

Chuck Drake
ORLANDO

Richard G. Hamann
GAINESVILLE

George W. Robbins
JACKSONVILLE

Fred N. Roberts, Jr.
OCALA

W. Leonard Wood
FERNANDINA BEACH

Attorney: de la Parte & Gilbert PA
C/O Edward P de la Parte Jr Esq
PO Box 2350
Tampa, FL 33601-2350

DRAFT

PERMIT NO. 2-009-10647-7

DATE ISSUED: March 21, 2013

PROJECT NAME: Titusville Area II & Area III Wellfields

A PERMIT AUTHORIZING:

The District authorizes the continued use, as limited by the attached conditions, of 6.01 million gallons per day (mgd) of groundwater from the surficial aquifer system (Area II and Area III wellfields) and the Floridan aquifer (already permitted from the Area IV Wellfield) to serve an estimated population of 63,369 with potable water for household, commercial/industrial, water utility, and essential (fire protection) uses through 2031. This modification authorizes an increase in groundwater withdrawals from the Area III wellfield from 0.3 mgd to 0.5 mgd in 2013. The combined annual groundwater withdrawals from the Area II, Area III and Area IV wellfields will not be changed with this modification.

LOCATION:

Site: AREA II
Brevard County

Site: Area III
Brevard County

Section(s):	30, 31, 32	Township(s):	21S	Range(s):	35E
	4, 5		22S		35E
	27, 28, 33		23S		35E

ISSUED TO:

City of Titusville
2836 Garden St
Titusville, FL 32796

Permittee agrees to hold and save the St. Johns River Water Management District and its successors harmless from any and all damages, claims, or liabilities which may arise from permit issuance. Said application, including all maps and specifications attached thereto, is by reference made a part hereof.

This permit does not convey to permittee any property rights nor any rights or privileges other than those specified herein, nor relieve the permittee from complying with any law, regulation or requirement affecting the rights of other bodies or agencies. All structures and works installed by permittee hereunder shall remain the property of the permittee.

This permit may be revoked, modified or transferred at any time pursuant to the appropriate provisions of Chapter 373, Florida Statutes and 40C-1, Florida Administrative Code.

PERMIT IS CONDITIONED UPON:

See conditions on attached "Exhibit A", dated March 21, 2013

AUTHORIZED BY: St. Johns River Water Management District
Division of Regulatory Services

By: Carl R. Lanaber Jr.

Carl Larrabee
Bureau Chief

DRAFT

"EXHIBIT A"
CONDITIONS FOR ISSUANCE OF PERMIT NUMBER 10647
City of Titusville
DATED MARCH 21, 2013

1. District authorized staff, upon proper identification, will have permission to enter, inspect, and observe permitted and related facilities in order to determine compliance with the approved plans, specifications, and conditions of this permit.
2. Nothing in this permit should be construed to limit the authority of the St. Johns River Water Management District to declare a water shortage and issue orders pursuant to Section 373.175, Florida Statutes, or to formulate a plan for implementation during periods of water shortage, pursuant to Section 373.246, Florida Statutes. In the event a water shortage is declared by the District Governing Board, the permittee must adhere to the water shortage restrictions as specified by the District, even though the specified water shortage restrictions may be inconsistent with the terms and conditions of this permit.
3. Prior to the construction, modification, or abandonment of a well, the permittee must obtain a Water Well Construction Permit from the St. Johns River Water Management District, or the appropriate local government pursuant to Chapter 40C-3, Florida Administrative Code. Construction, modification, or abandonment of a well will require modification of the consumptive use permit when such construction, modification, or abandonment is other than that specified and described on the consumptive use permit application form.
4. Leaking or inoperative well casings, valves, or controls must be repaired or replaced as required to eliminate the leak or make the system fully operational.
5. Legal uses of water existing at the time of permit application may not be significantly adversely impacted by the consumptive use. If unanticipated significant adverse impacts occur, the District shall revoke the permit in whole or in part to curtail or abate the adverse impacts, unless the impacts can be mitigated by the permittee.
6. Off-site land uses existing at the time of permit application may not be significantly adversely impacted as a result of the consumptive use. If unanticipated significant adverse impacts occur, the District shall revoke the permit in whole or in part to curtail or abate the adverse impacts, unless the impacts can be mitigated by the permittee.
7. The District must be notified, in writing, within 30 days of any sale, conveyance, or other transfer of a well or facility from which the permitted consumptive use is made or with in 30 days of any transfer of ownership or control of the real property at which the permitted consumptive use is located. All transfers of ownership or transfers of permits are subject to the provisions of section 40C-1.612.
8. A District issued identification tag shall be prominently displayed at each withdrawal site by permanently affixing such tag to the pump, headgate, valve, or other withdrawal facility as provided by Section 40C-2.401, Florida Administrative Code. Permittee shall notify the District in the event that a replacement tag is needed.
9. The permittee's use of water as authorized by this permit shall not cause an interference with an existing legal use of water as defined in District rules. If interference occurs, the District may revoke the permit in whole or in part to abate the adverse impact unless otherwise mitigated by the permittee. In those cases where other permit holders are identified by the District as also contributing to the interference, the permittee may choose to mitigate in a cooperative effort with these other permittees. The permittee

shall submit a mitigation plan to the District, and obtain District approval, prior to implementing any mitigation.

10. All irrigation shall be in conformity with the requirements set forth in subsection 40C-2.042(2), F.A.C.
11. All submittals made to demonstrate compliance with this permit must include the CUP number 10647 plainly labeled on the submittal.
12. This permit will expire on January 11, 2032.
13. Maximum annual groundwater withdrawals from the Area II Wellfield must not exceed:
 - 1,278 million gallons (3.50 mgd average) in 2011,
 - 1,004 million gallons (2.75 mgd average) in 2012,
 - 913 million gallons (2.50 mgd average) in 2013,
 - 803 million gallons (2.20 mgd average) in 2014,
 - 1,004 million gallons (2.75 mgd average) in 2015,
 - 913 million gallons (2.50 mgd average) in 2016,
 - 730 million gallons (2.00 mgd average) in 2017,
 - 730 million gallons (2.00 mgd average) in 2018,
 - 821 million gallons (2.25 mgd average) in 2019,
 - 821 million gallons (2.25 mgd average) in 2020,
 - 821 million gallons (2.25 mgd average) in 2021,
 - 821 million gallons (2.25 mgd average) in 2022,
 - 913 million gallons (2.50 mgd average) in 2023,
 - 913 million gallons (2.50 mgd average) in 2024,
 - 913 million gallons (2.50 mgd average) in 2025,
 - 1,004 million gallons (2.75 mgd average) in 2026,
 - 1,004 million gallons (2.75 mgd average) in 2027,
 - 1,004 million gallons (2.75 mgd average) in 2028,
 - 1,004 million gallons (2.75 mgd average) in 2029,
 - and 1,095 million gallons (3.00 mgd average) in 2030 and 2031.
14. Maximum annual groundwater withdrawals from the Area III Wellfield must not exceed:
 - 416.1 million gallons (1.14 mgd average) in 2011,
 - 394.2 million gallons (1.08 mgd average) in 2012,
 - 182.5 million gallons (0.5 mgd average) in 2013,
 - 109.5 million gallons (0.3 mgd average) in 2014,
 - 0 million gallons (0.0 mgd average) in 2015,
 - 109.5 million gallons (0.3 mgd average) in 2016,
 - 438.0 million gallons (1.2 mgd average) in 2017 through 2031.
15. The combined annual groundwater withdrawals from the Area II, Area III, and Area IV Wellfields and the water obtained from the City of Cocoa for the public supply needs of Titusville must not exceed:
 - 1,756 million gallons (4.81 mgd average) in 2011,
 - 1,767 million gallons (4.84 mgd average) in 2012,
 - 1,778 million gallons (4.87 mgd average) in 2013,
 - 1,792 million gallons (4.91 mgd average) in 2014,
 - 1,803 million gallons (4.94 mgd average) in 2015,
 - 1,843 million gallons (5.05 mgd average) in 2016,
 - 1,865 million gallons (5.11 mgd average) in 2017,
 - 1,887 million gallons (5.17 mgd average) in 2018,

1,909 million gallons (5.23 mgd average) in 2019,
1,927 million gallons (5.28 mgd average) in 2020,
1,949 million gallons (5.34 mgd average) in 2021,
1,975 million gallons (5.41 mgd average) in 2022,
1,997 million gallons (5.47 mgd average) in 2023,
2,018 million gallons (5.53 mgd average) in 2024,
2,040 million gallons (5.59 mgd average) in 2025,
2,066 million gallons (5.66 mgd average) in 2026,
2,088 million gallons (5.72 mgd average) in 2027,
2,110 million gallons (5.78 mgd average) in 2028,
2,135 million gallons (5.85 mgd average) in 2029, and
2,194 million gallons (6.01 mgd average) in 2030 and 2031.

In the event that the permittee receives water from the City of Cocoa for potable use, then the allocation for any year above shall be reduced an amount equivalent to the quantity provided to the permittee by the City of Cocoa in that year.

16. The permittee must operate under the Area II Wellfield Management Plan submitted to the District on June 22, 2010, and continue to abide with the following conditions: a) Continuous surface water and shallow ground water monitoring devices must continue to monitor water levels within the Parkland wetland. The existing wells near the Parkland wetland may be pumped when the wetland water level is at or above 13.5 feet NGVD during the wet season (June through October) and at or above 11.5 NGVD during the dry season (November through May). Pumping from these wells is not authorized when the Parkland wetland water levels fall below these elevations. The permittee must maintain water level control devices (e.g. float valves) on each well to ensure that water levels do not fall below the above, prescribed elevations. After the proposed wells have been operated for one year, the initial pumping level elevations may be adjusted based upon a review of the associated wetland-monitoring plan by District staff. b) Wells 7, 16, 17, and 27 are to remain off-line. These wells are not to be used except for sample collection and emergency use. Any emergency use other than for fire protection must be approved by the District prior to use.
17. The permittee must operate under the Area III Wellfield Management Plan submitted to the District in June 22, 2010, and continue to abide by the following conditions: a) Wells 315 (ID No. 3869), 316 (ID No. 3870), 319 (3873), 327 (ID No. 3881), and 332 (ID No. 3886) are to remain off-line. These wells are not to be used except for emergency use. Any emergency use other fire protection must be approved by the District prior to use. b) Wells 339 (ID No. 3890) through 345 (ID No. 3897) are only to be used during periods of wet weather when the water level in the pond located approximately 900 feet west of Well 345 is at or above an elevation of 17 NGVD (4.5 feet below the top of staff gauge). The pond water level elevation must be monitored on a monthly basis during dry periods and on a weekly basis during periods when the wells 339 through 345 are in use.
18. Total withdrawals from all Area II and Area III wells (i.e. well 1 (ID No. 3837) through well 57 (ID No. 20098)), must be recorded continuously, totaled monthly, and reported to the District at least every six months for the duration of this permit using District Form No. EN-50. The reporting dates each year will be as follows:

Reporting Period	Report Due Date
January - June	July 31
July - December	January 31

19. Total withdrawals from the City of Cocoa interconnection (ID No. 411463) must be recorded continuously, totaled monthly, and reported to the District at least every six months for the duration of this permit using District Form No. EN-50. The reporting

dates each year will be as follows:

Reporting Period	Report Due Date
January - June	July 31
July - December	January 31

20. The permittee must have all flow meters checked for accuracy at least once every 10 years within 30 days of the anniversary date of permit issuance, and recalibrated if the difference between the actual flow and the meter reading is greater than 5%. District Form No. EN-51 must be submitted to the District within 10 days of the inspection/calibration.
21. Within one year of permit issuance, monitor well AIII-1b must be replaced by deep monitor wells to the northeast, AIII-2b located near production well 335, and to the south, AIII-3b located near production well 312. The well completion reports for the new wells must be submitted within 30 days of well installation.
22. If hydrologic or vegetative wetland monitoring data and evaluations indicate adverse impacts are occurring to the Parkland wetland, one or a combination of the following actions will be required to mitigate the adverse impacts to the wetland: (a) Titusville shall comply with any new wet season and dry season critical water level elevations established by the District; (b) Titusville shall reduce pumping from the wells within the vicinity of Parkland wetland.
23. The City of Titusville reclaimed water system must continue to beneficially reuse at least 75% of the wastewater generated.
24. The permittee must have groundwater samples from all permitted Titusville production wells and monitoring wells collected and analyzed quarterly for the permit duration according to the following schedule: Quarter 1 (March), Quarter 2 (June), Quarter 3 (September) and Quarter 4 (December). The permitted Titusville production and monitoring wells along with the required sampling parameters are included in the quarterly monitoring program listed in Figure 1.

Sample Collection

All groundwater samples must be collected in accordance with the Florida Department of Environmental Protection's (FDEP) standard operating procedures (SOP), DEP-SOP-001/01, DEP Quality Assurance Rule, 62-160, F.A.C.

Wells must be purged in accordance with the appropriate procedure in DEP-SOP-001/01, as necessary to evacuate water from the well column and induce groundwater representative of the hydrogeologic formation into the well prior to sampling. Purged water must be sampled and analyzed in the field for the following parameters:

Water Temperature (°C)
pH (SU)
Specific Conductance (umhos/cm or uS/cm)
Turbidity (NTU)

Purging must be documented using the Groundwater Sampling Log form referenced in the FDEP SOP or equivalent.

Water samples must be stored on ice immediately after collection, and remain on ice until received by the laboratory. It is recommended that sample duplicates be taken to allow for laboratory errors or data loss, and these samples be stored by the laboratory

for a minimum of 60 days to ensure backup sample availability should re-analyses be required.

Laboratory Analyses

Water samples must be analyzed in the laboratory for limited parameters or major ions as required in Figure 1.

Limited Parameter Chemical Analyses

Limited parameter chemical analyses shall include the following:

Chloride (mg/L)
Sulfate (mg/L)
Total Dissolved Solids (mg/L)
Specific Conductance (umhos/cm or uS/cm)

If the District determines that results for limited parameter analyses indicate that changes in groundwater geochemistry at any of the permitted production wells or monitoring wells may be trending towards a chloride concentration or hydrochemistry significantly different from background levels and indicating potential saline water intrusion, the District will notify the permittee within 90 days that major ion analyses will be required for the identified production well(s) for the permit duration.

Major Ion Chemical Analyses

Major ion chemical analyses shall include the following:

Calcium (mg/L)
Magnesium (mg/L)
Potassium (mg/L)
Sodium (mg/L)
Total iron (mg/L)
Chloride (mg/L)
Sulfate (mg/L)
Bicarbonate Alkalinity (as mg/L CaCO_3)
Carbonate Alkalinity (as mg/L CaCO_3)
Total Dissolved Solids (mg/L)
Specific Conductance (umhos/cm or uS/cm)

Quality Assurance

The permittee must provide documentation that field instruments were properly calibrated prior to obtaining field measurements during purging and sampling.

All water quality analyses must be performed by a laboratory certified by the Florida Department of Health (FDOH) and the National Environmental Laboratory Accreditation Program (NELAP). All laboratory analyses must be by methods for which the laboratory has FDOH certification. All laboratory analyses must be completed within EPA holding times. If data is lost or a laboratory error occurs and the EPA holding time for an analysis has expired, the permittee must have the well re-sampled within 15 days of notification from the laboratory that a loss or laboratory error has occurred. The resample shall be collected according to the procedures described above, and analyzed for the field parameters and the major ion suite listed above.

With the exception of pH, laboratory analyses utilizing selective ion electrodes are not acceptable due to the inadequate sensitivity of these methods. Analyses utilizing test kits typically used for field screening (e.g., Hatch and LaMotte) are also not acceptable for the same reason.

All major ion analyses must be checked for anion-cation balance (equivalent concentration in meq/L), and must not exceed 5% difference. If the ion balance exceeds 5% difference, the permittee must review the data and include in the report submitted to the District, a discussion of the cause or explanation of the imbalance. The permittee may also be required to have the sample re-analyzed if it is within acceptable holding times or have the well re-sampled. The resample shall be collected according to the procedures described above, and analyzed for the four field parameters and the major ion suite.

Reports

A report must be submitted to the District no later than the last day of the month after the sampling (for example, the report for samples collected in April must be submitted to the District no later than May 31). The report must include the following:

Table summarizing results for field measurements and laboratory chemical analyses
Well sampling log
Field instrument calibration verification
Chain of custody forms (if outsourced)
Laboratory analytical report (if outsourced)

All data must be submitted to the District in a District-approved electronic format readable by the District's computerized database.

FIGURE 1
Titusville Groundwater Monitoring Network
Quarterly Water Quality and Water Level Monitoring Schedule

WELLFIELD	MAJOR ION SUITE ¹ Titusville Well Name (District Station ID)	LIMITED PARAMETERS ² Titusville Well Name (District Station ID)	WATER LEVELS ³ Titusville Well Name (District Station ID)
Area II	6 (3900)		6 (3900)
	49A (3860)		49A (3860)
	52 (20093)		52 (20093)
	36A (3847)		36A (3847)
	33A (3844)		33A (3844)
	3A (3891)		3A (3891)
	4A (3898)		4A (3898)
	32A (3843)		32A (3843)
	53 (20094)		53 (20094)
	34A (3845)		34A (3845)
	31A (3842)		31A (3842)
	42 (3853)		42 (3853)
	20 (3914)		20 (3914)
	37A (3848)		37A (3848)
	18 (3912)		18 (3912)
	9 (3903)		9 (3903)
	All-1A (409902)		All-1A (409902)
	All-2A (409901)		All-2A (409901)

	AII-2B (409900)		AII-2B (409900)
		24 (3918)	24 (3918)
		30 (3841)	30 (3841)
		8 (3902)	8 (3902)
		5A (3899)	5A (3899)
		35A (3846)	35A (3846)
		46A (3857)	46A (3857)
		17 (3911)	17 (3911)
		40 (3851)	40 (3851)
		48 (3859)	48 (3859)
		51(20092)	51(20092)

WELLFIELD	MAJOR ION SUITE ¹ Titusville Well Name (District Station ID)	LIMITED PARAMETERS ² Titusville Well Name (District Station ID)	WATER LEVELS ³ Titusville Well Name (District Station ID)
Area III		319 (3873)	319 (3873)
		313 (3867)	313 (3867)
		311 (3865)	311 (3865)
		316 (3870)	316 (3870)
		345 (3897)	345 (3897)
		344 (3896)	344 (3896)
		317 (3871)	317 (3871)
		305 (3862)	305 (3862)
		320 (3874)	320 (3874)
		332 (3886)	332 (3886)
Area II		50 (20091)	50 (20091)
		38A (3849)	38A (3849)
		47 (3858)	47 (3858)
		45A (3856)	45A (3856)
		44 (3855)	44 (3855)
		39A (3850)	39A (3850)
		16 (3910)	16 (3910)
		13 (3907)	13 (3907)
		2A(3864)	2A(3864)
Area III	329 (3883)		329 (3883)
	335 (3889)		335 (3889)
	323 (3877)		323 (3877)
	334 (3888)		334 (3888)
	333 (3887)		333 (3887)
	312 (3866)		312 (3866)
	304 (3861)		304 (3861)
	315 (3869)		315 (3869)
	340 (3892)		340 (3892)
	310 (3863)		310 (3863)< /tr>
	343 (3895)		343 (3895)
	314 (3868)		314 (3868)
	339 (3890)		339 (3890)
	AIII-1B (409899)		AIII-1B (409899)
		341 (3893)	341 (3893)
		318 (3872)	318 (3872)
		330 (3884)	330 (3884)

		342 (3894)	342 (3894)
		328 (3882)	328 (3882)

Water samples must be collected quarterly as follows: Quarter 1 (March), Quarter 2 (June), Quarter 3 (September) and Quarter 4 (December). Results must be submitted to the District quarterly no later than the last day of the month following the last month of the quarter (for example, results for Quarter 1 must be submitted to the District no later than April 30).

All water samples must include the following field measurements: Water Temperature (°C), pH (SU), Specific Conductance (umhos/cm or uS/cm) and Turbidity (NTU).

¹Major Ion Suite – must be analyzed in the laboratory for Calcium (mg/L), Magnesium (mg/L), Potassium (mg/L), Sodium (mg/L), Total Iron (mg/L), Chloride (mg/L), Sulfate (mg/L), Bicarbonate Alkalinity (as mg/L CaCO₃), Carbonate Alkalinity (as mg/L CaCO₃), Total Dissolved Solids (mg/L) and Specific Conductance (umhos/cm or uS/cm).

²Limited Parameters – must be analyzed in the laboratory for Chloride (mg/L), Sulfate (mg/L), Total Dissolved Solids (mg/L) and Specific Conductance (umhos/cm or uS/cm).

³Groundwater r Levels – must be measured for both stabilized pumping conditions and static water levels, corrected to compensate for changes in barometric pressure (if required), converted to elevations relative to the North American Vertical Datum (NAVD) of 1988 and submitted to the District quarterly no later than the last day of the month following the month that the measurements were obtained (for example, the results for groundwater level elevations measured in March must be submitted to the District no later than April 30).

25. If the quarterly water sample for any well, with the exception of well 8 (ID No. 3902), 18 (ID No. 3912), 311 (ID No. 3865), 328 (ID No. 3882), and 333 (ID No. 3887), exceeds a chloride concentration of 250 mg/l, that well must be taken out of service. If continued sampling of the above referenced wells, which exceeded 250 mg/l shows that the chloride concentration has fallen below 200 mg/l, then the well(s) may be placed back in service. If the chloride concentration of the above referenced wells is within the range of 200 mg/l to 250 mg/l, then the pumping schedule will be restricted to 8 hours per day. A minimum of 8 hours recovery must occur between pumping cycles. If after a period of two years the chloride concentration has not fallen below 250 mg/l, then the well must be used only for emergency use. Any emergency use other than fire protection, must be approved by the District prior to use. Any emergency use well must be backplugged or a District approved replacement must be constructed to ensure that chloride concentrations are below 200 mg/l before the well can be place back into production.
26. Wells 8 (ID No. 3902), 18 (ID No. 3912), 311 (ID No. 3865), 328 (ID No. 3882), and 333 (ID No. 3887) can be used as blending wells, without restrictions as long as their chloride concentrations do not exceed 325 mg/l. If the chloride concentration of the above referenced wells exceeds 325 mg/l, then the pumping schedule will be restricted to 8 hours per day. A minimum of 8 hours recovery must occur between pumping cycles.
27. The permittee must continue to measure the quantity of water withdrawn from wells 2-A (#3864), 3-A (#3891), 31-A (#3842) through 39-A (#3850), 45-A (#3856), 46-A (#3857), 49-A (3860) through 57 (#20098), 304 (#3861), 305 (#3862), 310 (#3863) through 319 (#3873), 323 (#3877), 328 (#3882) through 330 (#3884), 332 (#3886) through 335 (#3889), and 339 (#3890) through 345 (#3897), as listed in the file, by in-line totalizing flow meters. The totalizing flow meters must maintain 95% accuracy, be verifiable, and be installed according to manufacturer specifications.

28. Wells 6 (#3900), 8 (#3902), 9 (#3903), 16 (#3910) through 18 (#3918), 20 (#3914), 30 (#3841), 40 (#3851), 42(#3853), 44 (#3855), 47 (#3858), and 48 (#3859) must each be equipped with totalizing flowmeters, or an alternative method for measuring flow must be implemented. The permittee has elected to implement an alternative method for wells 6 (#3900), 8 (#3902), 9 (#3903), 16 (#3910) through 18 (#3918), 20 (#3914), 30 (#3841), 40 (#3851), 42(#3853), 44 (#3855), 47 (#3858), and 48 (#3859) which utilizes master metering in conjunction with the measured flow rate (which is checked quarterly) and a run time log book for each well as a basis for calculating the quantity of water withdrawn from the wells. The permittee may not alter the approved alternative method without prior written approval from the District. The method must maintain 90% accuracy and be verifiable. If after a period of one year, the selected alternative does not meet the accuracy criteria, totalizing flow meters or another District-approved alternative must be used. If flow meters are used, the meters must maintain 95% accuracy, be verifiable and be installed according to manufacturer specifications. Documentation of proper installation of flow meters may be accomplished by a site visit by District staff, or by submitting a copy of the manufacturer's specifications and a photograph within 30 days of meter installation.
29. The Permittee must maintain the meter or float valves. In case of failure or breakdown of any meter or float valve, the District must be notified in writing within 5 days of its discovery. A defective meter, or float valve, must be repaired or replaced within 30 days of its discovery.
30. The permittee must continue to send an annual reuse report to the District describing the distribution of reclaimed water within Titusville's service area that has occurred during the previous year. In addition, the permittee must submit an annual update of the alternative sources in use, to be used, or under evaluation in the current year. These reports must be submitted to the District annually on January 31 starting in 2013.
31. The Permittee must continue to maintain the existing leak detection program and continue auditing line flushing, fire hydrant use and testing, line breaks, and street cleaning. These reports must be submitted to the District annually starting on January 31, 2013 with the water use reports.
32. The permittee must continue to conduct hydrologic and photo monitoring at each of the ten (10) wetland areas listed below;
- a. PZ1 (ID 411331), All-S1 Marsh in Salt Lake WMA, (Sec 26, T. 21 S., R. 34 E.),
 - b. PZ2 (ID 411332), All-S2 NW corner of Garden St and I-95, (Sec 31, T. 21 S., R. 35 E.),
 - c. PZ3 (ID 411333), All-S4 Parkland wetland, (Sec 32, T. 21 S., R. 35 E.),
 - d. PZ4 (ID 411334), All-S5 Silver Lake N of Thal Rd, (Sec 7, T. 22 S., R. 35 E.),
 - e. PZ5 (ID 411335), All-S6 Forested wetland S of 405, (Sec 4, T. 22 S., R. 35 E.),
 - f. PZ6 (ID 411336), All-S1 Sawgrass marsh W of Barna, (Sec 28 & 33, T. 22 S., R. 35 E.),
 - g. PZ7 (ID 411337), All-S2 Marsh W of Sisson Rd, (Sec 34, T. 22 S., R. 35 E.),
 - h. PZ8 (ID 411338), All-S3 Shrub swamp N of 405 & 407, (Sec 33, T. 22 S., R. 35 E.),
 - i. PZ9 (ID 411339), All-S4 Forested wetland W of Barna, (Sec 21, T. 22 S., R. 35 E.),
 - j. PZ10 (ID 411340), All-S5 Wet prairie W of Perimeter Rd, (Sec 3, T. 23 S., R. 35 E.).

33. Wetland Monitoring Data must be submitted electronically every six months in a District-approved computer accessible format. Specifically, data collected January through June must be submitted on or before July 31st of each year and data collected July through December must be submitted on or before January 31st of each year. Data submittal will start on January 31st, 2012. Water level data (measured weekly without data loggers or daily at noon with data loggers) must be recorded by the permittee for each wetland monitoring site and must be reported as elevation relative to the North American Vertical Datum (NAVD) of 1988.
34. The permittee must calibrate and maintain in working order all data loggers and probes used for measuring water levels in monitor wells. A defective data logger and/or probe must be reported to the District and repaired or replaced and recalibrated within 30 days of its discovery.
35. On or before March 31st, starting in 2012, the permittee must submit a Wetland Annual Report summarizing the wetland monitoring efforts and comparing all of the wetland monitoring data recorded for the last calendar year and previous years. The report must include panoramic photographs taken in September at the established photo stations and graphs summarizing the water level data and available District radar rainfall data. The elevation of the upland/wetland interface must be indicated on the graphs. In addition, the report will include a brief analysis and discussion of trends and wetland health.
36. If the permittee is unable to obtain or maintain legal access to any of the monitoring sites referenced above, the permittee must notify SJRWMD in writing within 15 days of concluding that access to any specific site is not possible. Within 45 days of this notification, the permittee must submit an alternative site to modify the monitoring network. Within six months of SJRWMD approval of the monitoring network modification, the permittee must implement the approved change(s).
37. The permittee's consumptive use shall not adversely impact wetlands, lakes, streamflows, and springflows, or cause or contribute to a violation of minimum flows and levels adopted in Chapter 40C-8, except as authorized by a District-approved minimum flow or level (MFL) prevention/recovery strategy. The District shall revoke the permit in whole or in part to curtail or abate the adverse impacts, if the permittee fails to implement its portion of any Board-approved prevention/recovery strategy.
38. On or before December 31, 2015, the permittee shall submit a report to the District analyzing the effect of the proposed stormwater hydration project on the yield of the Area III Wellfield and/or any other Area II or Area III well or wellfield rehabilitation project. The report shall provide the estimated yield of the Area II and Area III wellfields based upon the proposed stormwater rehydration project and any other wellfield rehabilitation actions. The report shall also address whether the permittee will continue to rely on all the existing sources of water and whether any adjustment in permitted allocation is needed. In addition, the permittee shall submit to District staff for review and approval an action plan to implement any proposed changes to the permitted allocation or water obtained from other sources.

39. The permittee must submit a compliance report to the District under subsection 373.236(4), of the Florida Statutes. The permittee must submit the report by January 10, 2022. The report shall contain sufficient information to demonstrate that the permittee's use of water will continue, for the remaining duration of the permit, to meet the conditions for permit issuance set forth in the District rules that existed at the time the permit was issued for 20 years by the District. In providing such assurance, the compliance report must meet the submittal requirements of section 6.5.5 of the Applicant's Handbook: Consumptive Uses of Water, December 27, 2010.

DRAFT



CONSUMPTIVE USE PERMIT APPLICATION



St. Johns River Water Management District

4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • (386) 329-4500

Application forms may also be submitted electronically at floridaswater.com.

SECTION I – CONTACT INFORMATION

If necessary, attach additional sheets if there are multiple applicants, owners, agents, etc.

1. **APPLICANT** (Complete legal name in which permit should be issued)

NAME: City of Melbourne

If applicant is a business, provide a contact person: Harold Nantz

ADDRESS: 2885 Harper Rd

CITY, STATE, ZIP: Melbourne FL 32904-1154

PHONE: 321-608-5000

CELL PHONE: _____

EMAIL ADDRESS: hnantz@mlbfl.org

Do you want all correspondence to be transmitted electronically to this email address? ☐ Yes ☐ No

Applicant is: ☐ Owner ☐ Lessee* ☐ Other (explain) _____

*Attach copy of current lease, or written authorization from property owner

2. **OWNER** (If different than applicant)

NAME: Harold Nantz, City of Melbourne

ADDRESS: 2885 Harper Rd

CITY, STATE, ZIP: Melbourne FL 32904-1154

PHONE: 321-608-5000

CELL PHONE: _____

EMAIL ADDRESS: hnantz@mlbfl.org

3. **AGENT OR CONSULTANT** Address all correspondence to the person below? ☐ Yes ☐ No

NAME: _____

COMPANY NAME (if applicable): _____

ADDRESS: _____

CITY, STATE, ZIP: _____

PHONE: _____

CELL PHONE: _____

EMAIL ADDRESS: _____

4. **COMPLIANCE CONTACT** (Person responsible for ensuring that the permit conditions are met)

NAME: Dave Phares

ADDRESS: 6055 Lake Washington Rd

CITY, STATE, ZIP: Melbourne FL 32934-7890

PHONE: 321-255-4622

CELL PHONE: _____

EMAIL ADDRESS: david.phares@mlbfl.org

SECTION II – APPLICATION INFORMATION

For permit application guidance, please refer to the Applicant's Handbook, Consumptive Uses of Water, which is incorporated by reference in Rule 40C-2.101(1)(a), F.A.C. (A.H.). Please complete all fields. Enter N/A for any fields that are not applicable.

1. **TYPE OF APPLICATION:** ☐ New ☐ Modification ☒ Renewal

If this application is for a modification, please describe the modification request and the reason the modification is necessary. _____

2. **CONSUMPTIVE USE PERMIT NO.** (if application is for renewal or modification): 50301

3. **REQUESTED PERMIT DURATION:** ☐ 20 years ☐ _____ years (up to 20 years)

☒ This project qualifies for a duration greater than 20 years, per Section 373.236, F.S.

4. **PROJECT NAME:** City of Melbourne Utilities **COUNTY:** Brevard

PHYSICAL ADDRESS: _____

5. **RELATED PERMITS** (for projects other than Public Supply)

☐ ENVIRONMENTAL RESOURCE PERMIT: MSSW/ERP No(s): _____

☐ INDUSTRIAL WASTEWATER (IWW) PERMIT: IWW Permit No(s): _____

☐ NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT:

NPDES Permit No(s): _____

SECTION III – USE TYPE CATEGORIES

Please check all applicable use categories associated with this application and complete the associated supplemental form(s) indicated. The **Minor Individual Supplemental Form** (Form No. 40C-2.900(2)) can be completed in lieu of Supplemental Forms A through G if all of the following criteria are met:

- Use is less than 100,000 gallons per day
- Withdrawal facilities (wells or pump intakes) are less than 8-inches diameter
- Combined withdrawal capacity is less than 1,000,000 gallons per day
- Use is not for Mining/Dewatering
- Use is for Public Supply where end users are not individually metered

Use Type Category	Supplemental Form
<input type="checkbox"/> Agricultural (e.g., crops, livestock, nursery, aquaculture, pasture)	Form A Form No. 40C-2.900(1)(a)
<input type="checkbox"/> Commercial / Industrial (e.g., service business, food and beverage production, cooling and heating, commercial attraction, manufacturing, chemical processing, power generation)	Form B Form No. 40C-2.900(1)(b)
<input type="checkbox"/> Landscape / Recreation (e.g., irrigation of parks, cemeteries, landscaped areas, golf courses, athletic fields, playgrounds)	Form C Form No. 40C-2.900(1)(c)
<input type="checkbox"/> Mining / Dewatering (e.g., water use or removal associated with construction or excavation)	Form D Form No. 40C-2.900(1)(d)
<input checked="" type="checkbox"/> Public Supply (e.g., public or privately owned potable water supply utility)	Form E Form No. 40C-2.900(1)(e)
<input type="checkbox"/> Environmental / Other (e.g., aquifer remediation, environmental enhancement, or the use of water for other purposes)	Form F Form No. 40C-2.900(1)(f)
<input type="checkbox"/> Institutional (e.g., hospital, university, military base, correctional facility)	Form G Form No. 40C-2.900(1)(g)

SECTION IV – SOURCES OF WATER
(please attach additional facility tables if necessary)

SUMMARY OF GROUNDWATER (WELL) FACILITIES

Site or Wellfield Name ¹	District ID (if available)	Florida Unique Well ID (if available)	Owner's Well Name	Capacity (gpm)	Pump Type ²	Casing Diameter (inches) ³	Casing Depth (feet)	Total Depth (feet)	Status ⁴ (include date if proposed)	Type of Water Use Accounting Method ⁵	Last Meter Check / Method Validation ⁶	Type of Water Use (refer to Section III)
City of Melbourne Utilities	1019		Well 1	2500	Turbine	16	250	844	Active	Flow Meter		
City of Melbourne Utilities	1020		Well 2	2500	Turbine	16	250	867	Active	Flow Meter		
City of Melbourne Utilities	1022		Well 3A	2500	Submersible	16	251	Unknown	Active	Flow Meter		
City of Melbourne Utilities	1023		Well 4	2500	Turbine	16	177	563	Active	Flow Meter		
City of Melbourne Utilities	1024		Well 5	2500	Turbine	16	250	850	Proposed	Flow Meter		
City of Melbourne Utilities	1025		Well 6	2500	Turbine	16	250	850	Proposed	Flow Meter		

¹ If project consists of separate or non-contiguous pieces of property or wellfields

- 2 Centrifugal (impeller located above water level), submersible (pump set below water level), turbine (motor at ground surface that drives an impeller below water level), vacuum underdrain (typically used for dewatering), well point system (typically used for dewatering), or other (any pump that does not fall into one of the categories previously listed)
- 3 The casing diameter is defined as the largest permanent water-bearing casing of the well at land surface.
- 4 Active (currently in use), Inactive (capped, does not have power, or the connection to the water supply system has been severed), Abandoned (plugged and abandoned in accordance with 40C-3, Florida Administrative Code), or Proposed (include anticipated construction date)
- 5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter
- 6 Enter the date of the last flow meter accuracy check or alternative method validation

SUMMARY OF SURFACE WATER (PUMP) FACILITIES

Site Name ¹	District ID (if available)	Owner's Pump Name	Pump Capacity (gpm)	Pump Intake Diameter (inches)	Pump Type ²	Name of Surface Water Body	Type of Surface Water Body ³	Status ⁴ (include date if proposed)	Type of Water Use Accounting Method ⁵	Last Meter Check / Method Validation ⁶	Type of Water Use (refer to Section III)
City of Melbourne Utilities	0	1026 - South Pump Station	18000	0	Centrifugal		Lake/Pond (Natural)	Active	Flow Meter	15-AUG-18	Public Supply
City of Melbourne Utilities	0	1027 - North Pump Station	0	0	Centrifugal		Lake/Pond (Natural)	Inactive	Flow Meter		Public Supply

- 1 If project consists of separate or non-contiguous pieces of property or wellfields
- 2 Centrifugal (impeller located above water level), submersible (pump set below water level), turbine (motor at ground surface that drives an impeller below water level), hydraulic dredge pump (typically used for mining), hydraulic dewatering pump (typically used for construction or mining), other (any pump that does not fall into one of the categories previously listed)
- 3 Ditch/canal, lake/pond (natural), lake/pond (artificial), river/creek, spring, mining/borrow pit
- 4 Active (currently in use), Inactive (does not have power, or the connection to the water supply system has been severed), Proposed
- 5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter
- 6 Enter the date of the last flow meter accuracy check or alternative method validation

SUMMARY OF CONNECTION POINT FACILITIES

Connection points include locations where potable or non-potable water (including reclaimed water) purchased from a water supplier enters a project site.

Site Name ¹	District ID (if available)	Owner's Connection Point Name	Water Supplier Name ²	Type of Surface Water Body ³	Status ⁴ (include date if proposed)	Type of Water Use Accounting Method ⁵	Last Meter Check / Method Validation ⁶	Type of Water Use (refer to Section III)

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- 1 If project consists of separate or non-contiguous pieces of property or wellfields
- 2 Name of water supplier that provides water to the project through the connection point
- 3 Reclaimed water holding pond, stormwater management system
- 4 Active (currently in use), Inactive (the connection to the water supply system has been severed), Proposed
- 5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter
- 6 Enter the date of the last flow meter accuracy check or alternative method validation

DRAFT

SECTION V – USE OF LOWEST QUALITY WATER AND EVALUATION OF RECLAIMED WATER FEASIBILITY

The applicant may be required to evaluate the feasibility of utilizing reclaimed water and/or other lower quality water sources. The feasibility analysis must be completed as outlined in Section 2.3.3(e), A.H.

SECTION VI – SUMMARY OF REQUESTED WATER USE

Summarize the requested water use from each supplemental form (Agricultural, Public Supply, Commercial / Industrial, etc.) in the table below. Provide projections for each source, at five-year intervals, for the requested permit duration. If the requested permit duration exceeds 20 years, please attach a supplemental sheet providing additional five-year projections for each source.

Year	Requested Amounts and Source(s) of Water				Total Requested Water Use (mg/y)
	(mg/y ²)	(mg/y)	(mg/y)	(mg/y)	

¹ Provide the name of the water source. Examples include upper Floridan aquifer, stormwater pond, surficial aquifer, Davis Lake.

² Million gallons per year

SECTION VII – AQUIFER STORAGE AND RECOVERY *(complete if applicable)*

ASR Facility Name	Source of Stored Water ¹	Storage Aquifer Name	Recovery Water Destination	Projected Demand Average (mg/y)	Projected Demand Maximum (mg/y)	Projected Injected Average (mg/y)	Projected Injected Maximum (mg/y)

¹ Aquifer name, surface water body, water treatment plant name.

Please describe any projected increases or decreases (from historical average) in the amounts stored or recovered.

SECTION VIII – IMPACT EVALUATION

When determining whether the permit applicant has provided reasonable assurances that the conditions for issuance in Rule 40C-2.301, F.A.C., are met, the District will consider the projected impacts of the proposed consumptive use on an individual and cumulative basis. In order to provide reasonable assurance, studies and/or impact evaluations may be required. Please refer to the Applicant's Handbook for guidance regarding the impact evaluations and attach analyses, if applicable.

SECTION IX – APPLICANT CERTIFICATION

I certify that to the best of my knowledge and belief, all of the information provided on this form and in any attachment to it is correct. I also certify that I have legal authority to execute this application for the applicant and certify that the applicant will have sufficient legal authority to undertake the activities described herein. I understand that any material false statement in an application to continue, initiate, or modify a use, or any material false statement in any report or statement of fact required of the permittee, may result in revocation, in whole or in part, of the permit (Section 373.243(1), F.S.). With advance notice, I agree to provide St. Johns River Water Management District staff, with proper identification, entry to the project site for the purpose of performing analyses of the site for determining whether the conditions for issuance will be met. Further, if a permit is granted, I agree that, with advance notice, District staff with proper identification shall have permission to enter, inspect, collect samples, and take measurements of permitted facilities to determine compliance with the permit conditions and permitted plans and specifications.

(If applicable) I authorize _____ to act as my agent for permit application coordination.

Harold Nantz

APPLICANT'S NAME
(print or type)

APPLICANT'S SIGNATURE

10-MAY-19

DATE

AUTHORIZED AGENT'S NAME
(print or type)

AUTHORIZED AGENT'S SIGNATURE

DATE

When an application that will be considered by the District's Governing Board is complete, the applicant will be notified of the date of the hearing (Governing Board meeting) at which the application will be considered at least 14 days in advance. The Governing Board normally meets on the second Tuesday of the month.

SECTION X – APPLICANT CHECKLIST

The following items must be included with the permit application submittal:

- ☐ Proof of Property Control (e.g., deed, lease), if not already on file with the District
- ☐ Application Fee (refer to online fee schedule or Applicant's Handbook)
- ☐ Location/Site Map
- ☐ Supplemental Form(s) and associated supporting information (e.g., maps, calculations)
- ☐ Water Conservation Plan

Additional Addresses

Applicant	
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Land Owner	
-------------------	--

Agent	
--------------	--

Compliance Contact	Shaniese Alexander 6055 Lake Washington Rd Melbourne FL 32934-7890
---------------------------	--

Consultant	
-------------------	--

Water Use Reporting (EN-50) Contact	David Phares
--	--------------

	6055 Lake Washington Rd Melbourne FL 32934-7890
--	--

Attorney	
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DRAFT



CONSUMPTIVE USE PERMIT APPLICATION



St. Johns River Water Management District

4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • (386) 329-4500

Application forms may also be submitted electronically at floridaswater.com.

SECTION I – CONTACT INFORMATION

If necessary, attach additional sheets if there are multiple applicants, owners, agents, etc.

1. **APPLICANT** (Complete legal name in which permit should be issued)

NAME: **City of Cocoa**

If applicant is a business, provide a contact person: **Jack Walsh**

ADDRESS: **351 Shearer Blvd**

CITY, STATE, ZIP: **Cocoa FL 32922-7203**

PHONE: **321-433-8700**

CELL PHONE:

EMAIL ADDRESS:

Do you want all correspondence to be transmitted electronically to this email address? ☐ Yes ☐ No

Applicant is: ☐ Owner ☐ Lessee* ☐ Other (explain)

*Attach copy of current lease, or written authorization from property owner

2. **OWNER** (If different than applicant)

NAME: **Jack Walsh, City of Cocoa**

ADDRESS: **351 Shearer Blvd**

CITY, STATE, ZIP: **Cocoa FL 32922-7203**

PHONE: **321-433-8700**

CELL PHONE:

EMAIL ADDRESS:

3. **AGENT OR CONSULTANT** Address all correspondence to the person below? ☐ Yes ☐ No

NAME: **Mark Farrell, P.E.**

COMPANY NAME (if applicable): **WRA**

ADDRESS: **4260 W Linebaugh Ave**

CITY, STATE, ZIP: **Tampa FL 33624-5241**

PHONE: **(813) 265-3130**

CELL PHONE:

EMAIL ADDRESS: **mfarrell@wraengineering.com**

4. **COMPLIANCE CONTACT** (Person responsible for ensuring that the permit conditions are met)

NAME: **James Mitchell, City of Cocoa Dyal Water Treatment Plant**

ADDRESS: **65 Stone St.**

CITY, STATE, ZIP: **Cocoa FL 32922**

PHONE: **321-635-7772**

CELL PHONE:

EMAIL ADDRESS: **jmitchell@cocoafl.org**

SECTION II – APPLICATION INFORMATION

For permit application guidance, please refer to the Applicant's Handbook, Consumptive Uses of Water, which is incorporated by reference in Rule 40C-2.101(1)(a), F.A.C. (A.H.). Please complete all fields. Enter N/A for any fields that are not applicable.

1. **TYPE OF APPLICATION:** ☐ New ☐ Modification ☒ Renewal

If this application is for a modification, please describe the modification request and the reason the modification is necessary. _____

2. **CONSUMPTIVE USE PERMIT NO.** (if application is for renewal or modification): **50245**

3. **REQUESTED PERMIT DURATION:** ☐ 20 years ☐ _____ years (up to 20 years)

☒ This project qualifies for a duration greater than 20 years, per Section 373.236, F.S.

4. **PROJECT NAME:** **City of Cocoa** **COUNTY:** **Orange**

PHYSICAL ADDRESS: **351 Shearer Boulevard Cocoa, Florida 32922 Cocoa 32922**

5. **RELATED PERMITS** (for projects other than Public Supply)

☐ **ENVIRONMENTAL RESOURCE PERMIT:** MSSW/ERP No(s): _____

☒ **INDUSTRIAL WASTEWATER (IWW) PERMIT:** IWW Permit No(s): **FL0021521**

☐ **NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT:**

NPDES Permit No(s): _____

SECTION III – USE TYPE CATEGORIES

Please check all applicable use categories associated with this application and complete the associated supplemental form(s) indicated. The **Minor Individual Supplemental Form** (Form No. 40C-2.900(2)) can be completed in lieu of Supplemental Forms A through G if all of the following criteria are met:

- Use is less than 100,000 gallons per day
- Withdrawal facilities (wells or pump intakes) are less than 8-inches diameter
- Combined withdrawal capacity is less than 1,000,000 gallons per day
- Use is not for Mining/Dewatering
- Use is for Public Supply where end users are not individually metered

Use Type Category	Supplemental Form
<input type="checkbox"/> Agricultural (e.g., crops, livestock, nursery, aquaculture, pasture)	Form A Form No. 40C-2.900(1)(a)
<input type="checkbox"/> Commercial / Industrial (e.g., service business, food and beverage production, cooling and heating, commercial attraction, manufacturing, chemical processing, power generation)	Form B Form No. 40C-2.900(1)(b)
<input type="checkbox"/> Landscape / Recreation (e.g., irrigation of parks, cemeteries, landscaped areas, golf courses, athletic fields, playgrounds)	Form C Form No. 40C-2.900(1)(c)
<input type="checkbox"/> Mining / Dewatering (e.g., water use or removal associated with construction or excavation)	Form D Form No. 40C-2.900(1)(d)
<input checked="" type="checkbox"/> Public Supply (e.g., public or privately owned potable water supply utility)	Form E Form No. 40C-2.900(1)(e)
<input type="checkbox"/> Environmental / Other (e.g., aquifer remediation, environmental enhancement, or the use of water for other purposes)	Form F Form No. 40C-2.900(1)(f)
<input type="checkbox"/> Institutional (e.g., hospital, university, military base, correctional facility)	Form G Form No. 40C-2.900(1)(g)

SECTION IV – SOURCES OF WATER
(please attach additional facility tables if necessary)

SUMMARY OF GROUNDWATER (WELL) FACILITIES

Site or Wellfield Name ¹	District ID (if available)	Florida Unique Well ID (if available)	Owner's Well Name	Capacity (gpm)	Pump Type ²	Casing Diameter (inches) ³	Casing Depth (feet)	Total Depth (feet)	Status ⁴ (include date if proposed)	Type of Water Use Accounting Method ⁵	Last Meter Check / Method Validation ⁶	Type of Water Use (refer to Section III)
City of Cocoa	11720		6T	156		10	75	155	Active			
City of Cocoa	11721		1	486		20	316	374	Active			
City of Cocoa	11722		5T	70		10	95	165	Active			
City of Cocoa	11723		8T	740		10	75	150	Active			
City of Cocoa	11724		9T	35		10	75	150	Active			
City of Cocoa	11725		10T	205		10	80	150	Active			
City of Cocoa	11726		11T	100		10	70	140	Active			
City of Cocoa	11727		12T	135		10	50	125	Active			
City of Cocoa	11728		13T	70		10	70	140	Active			
City of Cocoa	11729		14T	90		10	60	120	Active			
City of Cocoa	11730		15T	30		10	60	120	Active			
City of Cocoa	11731		16T	27		10	60	120	Active			

City of Cocoa	11732		38			8	334	440	Active			
City of Cocoa	11733		39	300		8	325	440	Active			
City of Cocoa	11734		40			8	327	420	Active			
City of Cocoa	11735		41	300		8	324	440	Active			
City of Cocoa	11736		42		Submersible	8	323	400	Active			
City of Cocoa	11737		43	400	Submersible	8	327	423	Active			
City of Cocoa	11738		44	485	Submersible	8	306	418	Active			
City of Cocoa	11739		20	2430		16	290	530	Active			
City of Cocoa	11740		21			10	315	500	Active			
City of Cocoa	11741		22				295	602	Active			
City of Cocoa	11742		25	2430		16	300	600	Active			
City of Cocoa	11743		24				315	603	Active			
City of Cocoa	11744		23			10	326	540	Active			
City of Cocoa	11745		R-1	694		16	315	356	Active			
City of Cocoa	11746		R-2	694		16	280	370	Inactive			
City of Cocoa	11747		2	415		8	271	450	Active			

City of Cocoa	11748		R-3	694		16	300	370	Active			
City of Cocoa	11749		R-4	694		16	300	370	Active			
City of Cocoa	11750		R-5	694		16	300	370	Active			
City of Cocoa	11751		R-6	694		16	300	370	Active			
City of Cocoa	11752		3	415		12	266	450	Active			
City of Cocoa	11753		2T			16	Unknown	160	Active			
City of Cocoa	11754		1T	200		12	85	200	Active			
City of Cocoa	11755		3T	139		10	75	140	Active			
City of Cocoa	11756		4	1250		12	251	524	Active			
City of Cocoa	11757		4A1	1250		18	266	527	Active			
City of Cocoa	11758		4T	0		10	75	120	Inactive			
City of Cocoa	11759		5	347		12	251	409	Active			
City of Cocoa	11760		7	417		12	285	399	Active			
City of Cocoa	11761		7T	694		12	75	115	Active			
City of Cocoa	11762		8R	415		12	275	400	Active			
City of Cocoa	11763		9	347		12	230	385	Active			

City of Cocoa	11764		10	208		12	229	350	Active			
City of Cocoa	11765		11	694		12	323	580	Active			
City of Cocoa	11766		12A	1250		12	275	600	Active			
City of Cocoa	11767		12B	1250		12	260	519	Active			
City of Cocoa	11768		7A		Submersible	9	260	525	Active			
City of Cocoa	11769		13R	466		16	270	400	Active			
City of Cocoa	11770		14	2153		12	252	761	Active			
City of Cocoa	11771		15	2292		12	262	702	Active			
City of Cocoa	11772		16	2292		12	255	600	Active			
City of Cocoa	11773		17	2292		12	252	600	Active			
City of Cocoa	11774		18	2430		16	254	600	Active			
City of Cocoa	11775		19	2430		16	254	600	Active			
City of Cocoa	34077		17T	120		10	75	150	Proposed			
City of Cocoa	34078		18T	120		10	75	150	Proposed			
City of Cocoa	34079		19T	120		10	75	150	Proposed			
City of Cocoa	34080		R-7	694		16	300	370	Active			

City of Cocoa	34081		R-8	694		16	300	370	Active			
City of Cocoa	34082		R-9	694		16	300	370	Active			
City of Cocoa	34083		R-10	694		16	300	370	Active			
City of Cocoa	243924		Taylor Creek Downstr eam Transect 8 - PZ1				Unknown	Unknown	Active			
City of Cocoa	243926		Taylor Creek Downstr eam Transect 5 - PZ2				Unknown	Unknown	Active			
City of Cocoa	243928		Taylor Creek Downstr eam Transect 5 - PZ1				Unknown	Unknown	Active			
City of Cocoa	243929		Taylor Creek Downstr eam Transect 3 - PZ1				Unknown	Unknown	Active			
City of Cocoa	243930		Well 38				1	3	Active			
City of Cocoa	243931		Well 10T				1.5	3.5	Active			

City of Cocoa	243932		Well 16T				1.8	3.8	Active			
City of Cocoa	243933		Well 5T				1.7	3.7	Active			
City of Cocoa	243934		Jim Creek Reference Transect 2 - PZ1				Unknown	Unknown	Active			
City of Cocoa	243935		Jim Creek Reference Transect 2 - SW				Unknown	Unknown	Active			
City of Cocoa	243936		Jim Creek Reference Transect 1 - SW				Unknown	Unknown	Active			
City of Cocoa	243937		Jim Creek Reference Transect 1 - PZ2				Unknown	Unknown	Active			
City of Cocoa	243974		Well 14T				1.2	3.2	Active			
City of Cocoa	243975		Well 11T				1.4	3.4	Active			
City of Cocoa	243976		Well 12T-1				1	3	Active			

City of Cocoa	243977		Well 9T				.5	2.5	Active			
City of Cocoa	243978		Well 12T-2				.8	2.8	Active			
City of Cocoa	243979		Well 13T				1.4	3.4	Active			
City of Cocoa	243980		Well 15T				Unknown	Unknown	Active			
City of Cocoa	243997		Taylor Creek Downstream Transect 3 - PZ2				Unknown	Unknown	Active			
City of Cocoa	243999		Jim Creek Reference Transect 2 - PZ2				Unknown	Unknown	Active			
City of Cocoa	244000		Jim Creek Reference Transect 1 - PZ1				Unknown	Unknown	Active			
City of Cocoa	244055		Taylor Creek Downstream Transect 8 - PZ2				Unknown	Unknown	Active			
City of Cocoa	244057		Well 44				Unknown	Unknown	Active			

City of Cocoa	442332		1T			2	5	15	Active			
City of Cocoa	442333		2T			2	5	15	Active			
City of Cocoa	442334		7A			2	5	15	Active			
City of Cocoa	442335		21			2	5	15	Active			
City of Cocoa	442337		Taylor Creek Downstr eam Transect 3-SW				Unknown	Unknown	Active			
City of Cocoa	442338		Taylor Creek Downstr eam Transect 5-SW				Unknown	Unknown	Active			
City of Cocoa	442339		Taylor Creek Downstr eam Transect 8-SW				Unknown	Unknown	Active			
City of Cocoa	447242		G			6	8	8	Active			

1 If project consists of separate or non-contiguous pieces of property or wellfields

2 Centrifugal (impeller located above water level), submersible (pump set below water level), turbine (motor at ground surface that drives an impeller below water level), vacuum underdrain (typically used for dewatering), well point system (typically used for dewatering), or other (any pump that does not fall into one of the categories previously listed)

3 The casing diameter is defined as the largest permanent water-bearing casing of the well at land surface.

4 Active (currently in use), Inactive (capped, does not have power, or the connection to the water supply system has been severed), Abandoned (plugged and abandoned in accordance with 40C-3, Florida Administrative Code), or Proposed (include anticipated construction date)

5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter

6 Enter the date of the last flow meter accuracy check or alternative method validation

SUMMARY OF SURFACE WATER (PUMP) FACILITIES

Site Name ¹	District ID (if available)	Owner's Pump Name	Pump Capacity (gpm)	Pump Intake Diameter (inches)	Pump Type ²	Name of Surface Water Body	Type of Surface Water Body ³	Status ⁴ (include date if proposed)	Type of Water Use Accounting Method ⁵	Last Meter Check / Method Validation ⁶	Type of Water Use (refer to Section III)
City of Cocoa	34084	P1	4167	0	Centrifugal	Taylor Creek Reservoir	Lake/Pond (Natural)	Active			
City of Cocoa	34085	P2	4167	0	Centrifugal	Taylor Creek Reservoir	Lake/Pond (Natural)	Active			
City of Cocoa	34086	P3	4167	0	Centrifugal	Taylor Creek Reservoir	Lake/Pond (Natural)	Active			
City of Cocoa	34087	P4	4167	0	Centrifugal	Taylor Creek Reservoir	Lake/Pond (Natural)	Proposed			
City of Cocoa	34088	P5	4167	0	Centrifugal	Taylor Creek Reservoir	Lake/Pond (Natural)	Proposed			

¹ If project consists of separate or non-contiguous pieces of property or wellfields

² Centrifugal (impeller located above water level), submersible (pump set below water level), turbine (motor at ground surface that drives an impeller below water level), hydraulic dredge pump (typically used for mining), hydraulic dewatering pump (typically used for construction or mining), other (any pump that does not fall into one of the categories previously listed)

³ Ditch/canal, lake/pond (natural), lake/pond (artificial), river/creek, spring, mining/borrow pit

⁴ Active (currently in use), Inactive (does not have power, or the connection to the water supply system has been severed), Proposed

⁵ Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter

⁶ Enter the date of the last flow meter accuracy check or alternative method validation

SUMMARY OF CONNECTION POINT FACILITIES

Connection points include locations where potable or non-potable water (including reclaimed water) purchased from a water supplier enters a project site.

Site Name ¹	District ID (if available)	Owner's Connection Point Name	Water Supplier Name ²	Type of Surface Water Body ³	Status ⁴ (include date if proposed)	Type of Water Use Accounting Method ⁵	Last Meter Check / Method Validation ⁶	Type of Water Use (refer to Section III)

1 If project consists of separate or non-contiguous pieces of property or wellfields

2 Name of water supplier that provides water to the project through the connection point

3 Reclaimed water holding pond, stormwater management system

4 Active (currently in use), Inactive (the connection to the water supply system has been severed), Proposed

5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter

6 Enter the date of the last flow meter accuracy check or alternative method validation

SECTION V – USE OF LOWEST QUALITY WATER AND EVALUATION OF RECLAIMED WATER FEASIBILITY

The applicant may be required to evaluate the feasibility of utilizing reclaimed water and/or other lower quality water sources. The feasibility analysis must be completed as outlined in Section 2.3.3(e), A.H.

SECTION VI – SUMMARY OF REQUESTED WATER USE

Summarize the requested water use from each supplemental form (Agricultural, Public Supply, Commercial / Industrial, etc.) in the table below. Provide projections for each source, at five-year intervals, for the requested permit duration. If the requested permit duration exceeds 20 years, please attach a supplemental sheet providing additional five-year projections for each source.

Year	Requested Amounts and Source(s) of Water				
	IAS (mg ²)	TCR (mg)	UFA (mg)	(mg)	Total Requested Water Use (mg)
Other/Unk nown	1095	3223	10220		14538

¹ Provide the name of the water source. Examples include upper Floridan aquifer, stormwater pond, surficial aquifer, Davis Lake.

² Million gallons per year

SECTION VII – AQUIFER STORAGE AND RECOVERY *(complete if applicable)*

ASR Facility Name	Source of Stored Water ¹	Storage Aquifer Name	Recovery Water Destination	Projected Demand Average (mg)	Projected Demand Maximum (mg)	Projected Injected Average (mg)	Projected Injected Maximum (mg)
Dyal Plant	Treated Water	Floridan	Drought Use	0	0	0	0

¹ Aquifer name, surface water body, water treatment plant name.

Please describe any projected increases or decreases (from historical average) in the amounts stored or recovered.

The treated water is either pumped into the distribution system or to a 10-well aquifer storage and recovery (ASR) system at the Dyal plant which can store in excess of 1 billion gallons of water for later use during drought periods.

SECTION VIII – IMPACT EVALUATION

When determining whether the permit applicant has provided reasonable assurances that the conditions for issuance in Rule 40C-2.301, F.A.C., are met, the District will consider the projected impacts of the proposed consumptive use on an individual and cumulative basis. In order to provide reasonable assurance, studies and/or impact evaluations may be required. Please refer to the Applicant's Handbook for guidance regarding the impact evaluations and attach analyses, if applicable.

SECTION IX – APPLICANT CERTIFICATION

I certify that to the best of my knowledge and belief, all of the information provided on this form and in any attachment to it is correct. I also certify that I have legal authority to execute this application for the applicant and certify that the applicant will have sufficient legal authority to undertake the activities described herein. I understand that any material false statement in an application to continue, initiate, or modify a use, or any material false statement in any report or statement of fact required of the permittee, may result in revocation, in whole or in part, of the permit (Section 373.243(1), F.S.). With advance notice, I agree to provide St. Johns River Water Management District staff, with proper identification, entry to the project site for the purpose of performing analyses of the site for determining whether the conditions for issuance will be met. Further, if a permit is granted, I agree that, with advance notice, District staff with proper identification shall have permission to enter, inspect, collect samples, and take measurements of permitted facilities to determine compliance with the permit conditions and permitted plans and specifications.

(If applicable) I authorize Mark Farrell, P.E. to act as my agent for permit application coordination.

Jack Walsh

APPLICANT'S NAME
(print or type)

APPLICANT'S SIGNATURE

08-FEB-22

DATE

Mark Farrell, P.E.

AUTHORIZED AGENT'S NAME
(print or type)

AUTHORIZED AGENT'S SIGNATURE

08-FEB-22

DATE

When an application that will be considered by the District's Governing Board is complete, the applicant will be notified of the date of the hearing (Governing Board meeting) at which the application will be considered at least 14 days in advance. The Governing Board normally meets on the second Tuesday of the month.

SECTION X – APPLICANT CHECKLIST

The following items must be included with the permit application submittal:

- ☐ Proof of Property Control (e.g., deed, lease), if not already on file with the District
- ☐ Application Fee (refer to online fee schedule or Applicant's Handbook)
- ☐ Location/Site Map
- ☐ Supplemental Form(s) and associated supporting information (e.g., maps, calculations)

☐ Water Conservation Plan

DRAFT

Additional Addresses

Applicant	
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Land Owner	
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Agent	
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Compliance Contact	
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Consultant	
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Water Use Reporting (EN-50) Contact	David Fisher Dyal Water Plant, 351 Shearer Blvd
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	Cocoa FL 32922-7203
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Attorney	
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DRAFT



APPENDIX D

DRAFT

Utility Services Department

Program Name: COUNTY WATER AND WASTEWATER
Project Name: Mims: Water Main Replacement of Asbestos Cement Pipe
Project Total: \$11,229,439
Project Timeline: October 1, 2019 through September 30, 2027
Funded Program: 6980111
District(s): 1

Project Description, Milestones and Service Impact

This project will replace the asbestos cement and thin-walled P V C pipe in the Mims water distribution system and includes changing over the water service connections from the existing pipes to the new pipes. This project will take place in seven phases. The Mims water distribution system piping includes asbestos-cement and thin-walled P V C water pipes that were installed in the 1960's. The current pipe material is conducive to breaking thus the replacement of the pipe to better material will ensure the integrity of the water system.

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027 & Future	Total Revenue
Charges For Services Revenue	\$ 222,192	\$ 13,915	\$ 225,000	\$ 2,223,370	\$ 2,573,027	\$ 2,882,903	\$ -	\$ 8,140,407
Other Finance Sources Revenue	\$ 3,089,032	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,089,032
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unfunded	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenue	\$ 3,311,224	\$ 13,915	\$ 225,000	\$ 2,223,370	\$ 2,573,027	\$ 2,882,903	\$ -	\$ 11,229,439
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design Expense	\$ -	\$ -	\$ -	\$ 224,070	\$ 109,007	\$ -	\$ -	\$ 333,077
Construction Expense	\$ 3,311,224	\$ 13,915	\$ 225,000	\$ 1,999,300	\$ 2,464,020	\$ 2,882,903	\$ -	\$ 10,896,362
Other Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expense	\$ 3,311,224	\$ 13,915	\$ 225,000	\$ 2,223,370	\$ 2,573,027	\$ 2,882,903	\$ -	\$ 11,229,439

Utility Services Department

Utility Services Department

Program Name: COUNTY WATER AND WASTEWATER
Project Name: Mims: Plant Mixing Improvements
Project Total: \$380,000
Project Timeline: October 1, 2019 through September 30, 2024
Funded Program: 6540116
District(s): 1

Project Description, Milestones and Service Impact

This project consists of replacing the chlorine and ammonia mixing system at the Mims water treatment plant. The system has reached its useful life and requires replacement in order to meet FDEP compliance.

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027 & Future	Total Revenue
Charges For Services Revenue	\$ -	\$ 175,000	\$ 5,000	\$ 200,000	\$ -	\$ -	\$ -	\$ 380,000
Other Finance Sources Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unfunded	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenue	\$ -	\$ 175,000	\$ 5,000	\$ 200,000	\$ -	\$ -	\$ -	\$ 380,000
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction Expense	\$ -	\$ -	\$ 180,000	\$ 200,000	\$ -	\$ -	\$ -	\$ 380,000
Other Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expense	\$ -	\$ -	\$ 180,000	\$ 200,000	\$ -	\$ -	\$ -	\$ 380,000

Utility Services Department

Program Name: COUNTY WATER AND WASTEWATER
Project Name: Mims: Clarifier Replacement
Project Total: \$1,916,000
Project Timeline: October 1, 2019 through September 30, 2024
Funded Program: 6540118
District(s): 1

Project Description, Milestones and Service Impact

Major upgrade that will increase performance/efficiencies of asset 640041 at the Mims Water treatment plant. The clarifier treatment unit was built in the early 1960's and has exceeded its useful life. New turbine, rakes, stilling well and any additional steel components inside the concrete tank will have to be replaced.

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027 & Future	Total Revenue
Charges For Services Revenue	\$ -	\$ -	\$ 200,000	\$ 1,716,000	\$ -	\$ -	\$ -	\$ 1,916,000
Other Finance Sources Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unfunded	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenue	\$ -	\$ -	\$ 200,000	\$ 1,716,000	\$ -	\$ -	\$ -	\$ 1,916,000
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design Expense	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Construction Expense	\$ -	\$ -	\$ -	\$ 1,716,000	\$ -	\$ -	\$ -	\$ 1,716,000
Other Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expense	\$ -	\$ -	\$ 200,000	\$ 1,716,000	\$ -	\$ -	\$ -	\$ 1,916,000

Utility Services Department

Utility Services Department

Program Name: COUNTY WATER AND WASTEWATER
Project Name: Mims: Plant Additional Wells
Project Total: \$3,200,500
Project Timeline: October 1, 2019 through September 30, 2024
Funded Program: 6983105
District(s): 1

Project Description, Milestones and Service Impact

This project consists of installing new water wells to the Mims water system. Current wells have been underperforming in their water withdrawal resulting in the installation of new wells to meet customer water demand.

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027 & Future	Total Revenue
Charges For Services Revenue	\$ 785,774	\$ 614,726	\$ -	\$ -	\$ -	\$ -	\$ -	1,400,500
Other Finance Sources Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Permit/Fees Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Unfunded	\$ -	\$ -	\$ 1,800,000	\$ -	\$ -	\$ -	\$ -	1,800,000
Total Revenue	\$ 785,774	\$ 614,726	\$ 1,800,000	\$ -	\$ -	\$ -	\$ -	3,200,500
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Planning/Design Expense	\$ -	\$ 11,761	\$ -	\$ -	\$ -	\$ -	\$ -	11,761
Construction Expense	\$ 785,774	\$ 2,965	\$ 300,000	\$ 2,100,000	\$ -	\$ -	\$ -	3,188,739
Other Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total Expense	\$ 785,774	\$ 14,726	\$ 300,000	\$ 2,100,000	\$ -	\$ -	\$ -	3,200,500

Utility Services Department

Program Name: COUNTY WATER AND WASTEWATER
Project Name: South Beaches: Deep Injection Well Improvements
Project Total: \$1,600,000
Project Timeline: October 1, 2019 through September 30, 2024
Funded Program: 6540318
District(s): 3

Project Description, Milestones and Service Impact

Replacement of existing Deep Injection Well (D I W) pumps, electrical, controls, instrumentation and building improvements and associated infrastructure which is a substantial improvement to increase performance. This will increase the pumping capacity down the deep injection well. Improvements will be made to/for asset 640767.

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027 & Future	Total Revenue
Charges For Services Revenue	\$ -	\$ -	\$ 100,000	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 1,600,000
Other Finance Sources Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unfunded	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenue	\$ -	\$ -	\$ 100,000	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 1,600,000
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design Expense	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Construction Expense	\$ -	\$ -	\$ -	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 1,500,000
Other Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expense	\$ -	\$ -	\$ 100,000	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 1,600,000

ANNUAL CAPITAL IMPROVEMENT PLAN FOR FY 2022-2023 TO FY 2026-2027

Utility Services Department

Utility Services Department

Program Name: COUNTY WATER AND WASTEWATER
Project Name: South Beaches: Flow Meter Replacement
Project Total: \$75,000
Project Timeline: October 1, 2019 through September 30, 2024
Funded Program: 6540502
District(s): 3

Project Description, Milestones and Service Impact

This project will change the orientation of the pipe from above ground to below ground and will improve the measuring accuracy of the FDEP required flow meter. The current flow meter configuration allows for inaccurate readings due to air entrapment.

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027 & Future	Total Revenue
Charges For Services Revenue	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	75,000
Other Finance Sources Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Permit/Fees Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Unfunded	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total Revenue	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	75,000
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Planning/Design Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Construction Expense	\$ -	\$ -	75,000	\$ -	\$ -	\$ -	\$ -	75,000
Other Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total Expense	\$ -	\$ -	75,000	\$ -	\$ -	\$ -	\$ -	75,000

Utility Services Department

Program Name: COUNTY WATER AND WASTEWATER
Project Name: South Central: Additional Plant Reject Pond
Project Total: \$1,600,000
Project Timeline: October 1, 2019 through September 30, 2024
Funded Program: 6540423
District(s): 4

Project Description, Milestones and Service Impact

Install additional reject pond and pumping system north of the two existing storage ponds needed to optimize reclaimed water production at SCWWTP and provide additional capacity. Includes self contained pump equipment with filtering & chlorination.

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027 & Future	Total Revenue
Charges For Services Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Other Finance Sources Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Permit/Fees Revenue	\$ -	\$ 200,000	\$ 1,400,000	\$ -	\$ -	\$ -	\$ -	1,600,000
Unfunded	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total Revenue	\$ -	\$ 200,000	\$ 1,400,000	\$ -	\$ -	\$ -	\$ -	1,600,000
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Planning/Design Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Construction Expense	\$ -	\$ -	\$ 1,600,000	\$ -	\$ -	\$ -	\$ -	1,600,000
Other Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total Expense	\$ -	\$ -	\$ 1,600,000	\$ -	\$ -	\$ -	\$ -	1,600,000

Utility Services Department

Program Name: COUNTY WATER AND WASTEWATER
Project Name: South Central: Flow Meter Replacement
Project Total: \$75,000
Project Timeline: October 1, 2019 through September 30, 2024
Funded Program: 6540420
District(s): 4

Project Description, Milestones and Service Impact

This project will change the orientation of the pipe from above ground to below ground and will improve the measuring accuracy of the FDEP required flow meter. The current flow meter configuration allows for inaccurate readings due to air entrapment.

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027 & Future	Total Revenue
Charges For Services Revenue	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	75,000
Other Finance Sources Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Permit/Fees Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Unfunded	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total Revenue	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	75,000
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Planning/Design Expense	\$ -	\$ -	75,000	\$ -	\$ -	\$ -	\$ -	75,000
Construction Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Other Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total Expense	\$ -	\$ -	75,000	\$ -	\$ -	\$ -	\$ -	75,000

Utility Services Department

Utility Services Department

Program Name: COUNTY WATER AND WASTEWATER
Project Name: South Central: Replace Plant Reuse Transfer Pumps and Controls
Project Total: \$900,000
Project Timeline: October 1, 2019 through September 30, 2025
Funded Program: 6540421
District(s): 4

Project Description, Milestones and Service Impact

Transfer pumps and controls have exceeded the design service life and are becoming more prone to failure. Replacement parts are hard to find due to age.

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027 & Future	Total Revenue
Charges For Services Revenue	\$ -	\$ 614,725	\$ -	\$ -	\$ 285,275	\$ -	\$ -	\$ 900,000
Other Finance Sources Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unfunded	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenue	\$ -	\$ 614,725	\$ -	\$ -	\$ 285,275	\$ -	\$ -	\$ 900,000
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design Expense	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Construction Expense	\$ -	\$ -	\$ -	\$ -	\$ 800,000	\$ -	\$ -	\$ 800,000
Other Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expense	\$ -	\$ -	\$ 100,000	\$ -	\$ 800,000	\$ -	\$ -	\$ 900,000

Utility Services Department

Utility Services Department

Program Name: COUNTY WATER AND WASTEWATER
Project Name: South Central: Reuse Flow Meter Replacement
Project Total: \$100,000
Project Timeline: October 1, 2019 through September 30, 2024
Funded Program: 6986409
District(s): 4

Project Description, Milestones and Service Impact

This project will change the orientation of the pipe from above ground to below ground and will improve the measuring accuracy of the FDEP required flow meter. The current flow meter configuration allows for inaccurate readings due to air entrapment.

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027 & Future	Total Revenue
Charges For Services Revenue	\$ -	\$ 75,000	\$ 25,000	\$ -	\$ -	\$ -	\$ -	100,000
Other Finance Sources Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Permit/Fees Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Unfunded	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total Revenue	\$ -	\$ 75,000	\$ 25,000	\$ -	\$ -	\$ -	\$ -	100,000
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Planning/Design Expense	\$ -	\$ -	100,000	\$ -	\$ -	\$ -	\$ -	100,000
Construction Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Other Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total Expense	\$ -	\$ -	100,000	\$ -	\$ -	\$ -	\$ -	100,000

Utility Services Department

Program Name: COUNTY WATER AND WASTEWATER
Project Name: South Central: Reuse System Optimization Improvements
Project Total: \$440,733
Project Timeline: October 1, 2019 through September 30, 2024
Funded Program: 6540409
District(s): 4

Project Description, Milestones and Service Impact

This project involves several projects to improve the level of service, integrity and operation of the South Central reclaimed water system. Performing these projects will increase the level of service to the reuse customers within this service area.

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027 & Future	Total Revenue
Charges For Services Revenue	\$ 197,250	\$ 243,483	\$ -	\$ -	\$ -	\$ -	\$ -	440,733
Other Finance Sources Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Permit/Fees Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Unfunded	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total Revenue	\$ 197,250	\$ 243,483	\$ -	\$ -	\$ -	\$ -	\$ -	440,733
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Planning/Design Expense	\$ 4,150	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,150
Construction Expense	\$ 193,100	\$ 68,483	\$ 175,000	\$ -	\$ -	\$ -	\$ -	436,583
Other Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total Expense	\$ 197,250	\$ 68,483	\$ 175,000	\$ -	\$ -	\$ -	\$ -	440,733

Utility Services Department

Utility Services Department

Program Name: COUNTY WATER AND WASTEWATER
Project Name: South Central: Viera Wetlands - Improvements To Pump Station and Effluent Electrical
Project Total: \$2,577,928
Project Timeline: October 1, 2019 through September 30, 2024
Funded Program: 6538429
District(s): 4

Project Description, Milestones and Service Impact

This project involves the replacement of the Viera Wetlands pumping station. Not only is this pump station not performing to expectation but is visible to those visiting the wetland. This project will address its performance and esthetics. Current electrical feed to the wetlands pump is insufficient for the pump size/ horse power required for operation. This project brings upgraded power from existing FPL transformers to the pump site. Presently, if the pumps must be operated, they are powered by portable generators. Completion of the project will also reduce the total hours of generator operation and free another generator for use during storm events. Existing wetland equipment is failing and is in need of replacement. Improvements to include a structure to move the equipment out of the elements

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027 & Future	Total Revenue
Charges For Services Revenue	\$ 4,928	\$ 362,000	\$ -	\$ 111,000	\$ 700,000	\$ 700,000	\$ 700,000	\$ 2,577,928
Other Finance Sources Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unfunded	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenue	\$ 4,928	\$ 362,000	\$ -	\$ 111,000	\$ 700,000	\$ 700,000	\$ 700,000	\$ 2,577,928
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction Expense	\$ 4,928	\$ -	\$ 173,000	\$ 300,000	\$ 700,000	\$ 700,000	\$ 700,000	\$ 2,577,928
Other Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expense	\$ 4,928	\$ -	\$ 173,000	\$ 300,000	\$ 700,000	\$ 700,000	\$ 700,000	\$ 2,577,928

Utility Services Department

Utility Services Department

Program Name: COUNTY WATER AND WASTEWATER
Project Name: Sykes: Effluent Pump Station Building Replacement
Project Total: \$5,765,000
Project Timeline: October 1, 2023 through September 30, 2024
Funded Program: 6520204
District(s): 2

Project Description, Milestones and Service Impact

Construct a new pump station building with pump station inside for the filter feed pumps and deep injection well pumps; minor filter backwash strainer improvements; and new electrical gear including replacements for automatic transfer switches 1-3 and master distribution panels. Replaces asset 640636.

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027 & Future	Total Revenue
Charges For Services Revenue	\$ -	\$ -	\$ 665,000	\$ 5,100,000	\$ -	\$ -	\$ -	\$ 5,765,000
Other Finance Sources Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unfunded	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenue	\$ -	\$ -	\$ 665,000	\$ 5,100,000	\$ -	\$ -	\$ -	\$ 5,765,000
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design Expense	\$ -	\$ -	\$ 665,000	\$ -	\$ -	\$ -	\$ -	\$ 665,000
Construction Expense	\$ -	\$ -	\$ -	\$ 5,100,000	\$ -	\$ -	\$ -	\$ 5,100,000
Other Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expense	\$ -	\$ -	\$ 665,000	\$ 5,100,000	\$ -	\$ -	\$ -	\$ 5,765,000

Utility Services Department

Program Name: COUNTY WATER AND WASTEWATER
Project Name: Sykes: Reclaimed Water Improvements
Project Total: \$992,741
Project Timeline: October 1, 2019 through September 30, 2024
Funded Program: 6300236
District(s): 2

Project Description, Milestones and Service Impact

This is phase 1 of a 3 phase project which will provide necessary improvements to the reclaimed water production facility to meet future demands of a growing population in the north Merritt Island region.

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027 & Future	Total Revenue
Charges For Services Revenue	\$ 292,741	\$ 700,000	\$ -	\$ -	\$ -	\$ -	\$ -	992,741
Other Finance Sources Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Permit/Fees Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Unfunded	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total Revenue	\$ 292,741	\$ 700,000	\$ -	\$ -	\$ -	\$ -	\$ -	992,741
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Planning/Design Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Construction Expense	\$ 292,741	\$ -	\$ 600,000	\$ 100,000	\$ -	\$ -	\$ -	992,741
Other Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total Expense	\$ 292,741	\$ -	\$ 600,000	\$ 100,000	\$ -	\$ -	\$ -	992,741

Utility Services Department

Program Name: COUNTY WATER AND WASTEWATER
Project Name: Sykes: Sodium Hypochlorite Improvements
Project Total: \$5,600,000
Project Timeline: October 1, 2023 through September 30, 2024
Funded Program: 6300239
District(s): 2

Project Description, Milestones and Service Impact

Install new dual chamber chlorine contact tank to replace the one wrapped around the north ground storage tank; install a transfer pump station sized to pump up to the future height of the ground storage tanks; install new sodium hypochlorite storage facility including a new building.

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027 & Future	Total Revenue
Charges For Services Revenue	\$ -	\$ -	\$ 600,000	\$ 5,000,000	\$ -	\$ -	\$ -	\$ 5,600,000
Other Finance Sources Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unfunded	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenue	\$ -	\$ -	\$ 600,000	\$ 5,000,000	\$ -	\$ -	\$ -	\$ 5,600,000
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design Expense	\$ -	\$ -	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ 600,000
Construction Expense	\$ -	\$ -	\$ -	\$ 5,000,000	\$ -	\$ -	\$ -	\$ 5,000,000
Other Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expense	\$ -	\$ -	\$ 600,000	\$ 5,000,000	\$ -	\$ -	\$ -	\$ 5,600,000

Utility Services Department

Program Name: BAREFOOT BAY WATER AND WASTEWATER
Project Name: Barefoot Bay Water: Center Drive Replacement
Project Total: \$647,000
Project Timeline: October 1, 2023 through September 30, 2024
Funded Program: 6540315
District(s): 3

Project Description, Milestones and Service Impact

Original Drive Equipment is 20 years old and has reached its useful life. The drive is rusting and sweeping corner drives are worn and leaking. This component is major component of the water production plant.

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027 & Future	Total Revenue
Charges For Services Revenue	\$ -	\$ -	\$ 75,000	\$ 572,000	\$ -	\$ -	\$ -	\$ 647,000
Other Finance Sources Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unfunded	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenue	\$ -	\$ -	\$ 75,000	\$ 572,000	\$ -	\$ -	\$ -	\$ 647,000
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design Expense	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000
Construction Expense	\$ -	\$ -	\$ -	\$ 572,000	\$ -	\$ -	\$ -	\$ 572,000
Other Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expense	\$ -	\$ -	\$ 75,000	\$ 572,000	\$ -	\$ -	\$ -	\$ 647,000

Utility Services Department

Program Name: BAREFOOT BAY WATER AND WASTEWATER
Project Name: Barefoot Bay Water: Chlorine & Ammonia Feed Systems At The Booster Pump Station And Soft Starters Installation
Project Total: \$1,431,964
Project Timeline: October 1, 2019 through September 30, 2024
Funded Program: 513868
District(s): 3

Project Description, Milestones and Service Impact

This project consists of installing a chlorine and ammonia feed system at the Barefoot Bay water booster station. Included in this project are upgrades to the pumping and electrical systems that would be tied into this project. Doing this project will assure that we continually meet the Clean Water Act requirements associated with potable water.

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027 & Future	Total Revenue
Charges For Services Revenue	\$ 68,354	\$ 146,100	\$ 35,510	\$ -	\$ -	\$ -	\$ -	249,964
Grant Revenue	\$ -	\$ -	\$ 1,182,000	\$ -	\$ -	\$ -	\$ -	1,182,000
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Permit/Fees Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Unfunded	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total Revenue	\$ 68,354	\$ 146,100	\$ 1,217,510	\$ -	\$ -	\$ -	\$ -	1,431,964
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Planning/Design Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Construction Expense	\$ -	\$ -	\$ 1,182,000	\$ -	\$ -	\$ -	\$ -	1,182,000
Other Expense	\$ 68,354	\$ 81,610	\$ 100,000	\$ -	\$ -	\$ -	\$ -	249,964
Total Expense	\$ 68,354	\$ 81,610	\$ 1,282,000	\$ -	\$ -	\$ -	\$ -	1,431,964

Utility Services Department

Utility Services Department

Program Name: BAREFOOT BAY WATER AND WASTEWATER
Project Name: Barefoot Bay Wastewater: Clarifier Rehabilitation
Project Total: \$375,000
Project Timeline: October 1, 2021 through September 30, 2023
Funded Program: 6540314
District(s): 3

Project Description, Milestones and Service Impact

This project involves the rehabilitation of clarifier #1 (West), asset #640020. The current clarifier is not in operation. This project will address the age and the performance of the equipment. Doing so will assure we maintain compliance with the FDEP.

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027 & Future	Total Revenue
Charges For Services Revenue	\$ -	\$ 375,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 375,000
Other Finance Sources Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unfunded	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenue	\$ -	\$ 375,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 375,000
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction Expense	\$ -	\$ -	\$ 375,000	\$ -	\$ -	\$ -	\$ -	\$ 375,000
Other Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expense	\$ -	\$ -	\$ 375,000	\$ -	\$ -	\$ -	\$ -	\$ 375,000

Utility Services Department

Program Name: BAREFOOT BAY WATER AND WASTEWATER
Project Name: Barefoot Bay Water: Carbon Dioxide Replacement
Project Total: \$260,000
Project Timeline: October 1, 2022 through September 30, 2023
Funded Program: 6540316
District(s): 3

Project Description, Milestones and Service Impact

The current CO2 system is undersized and replacement is needed to have better pH control to compensate for variability of lime slaker at the water production plant.

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027 & Future	Total Revenue
Charges For Services Revenue	\$ -	\$ -	\$ 260,000	\$ -	\$ -	\$ -	\$ -	\$ 260,000
Other Finance Sources Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unfunded	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenue	\$ -	\$ -	\$ 260,000	\$ -	\$ -	\$ -	\$ -	\$ 260,000
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction Expense	\$ -	\$ -	\$ 260,000	\$ -	\$ -	\$ -	\$ -	\$ 260,000
Other Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expense	\$ -	\$ -	\$ 260,000	\$ -	\$ -	\$ -	\$ -	\$ 260,000