



CITY OF
ORLANDO

Potable Water

Goals, Objectives, and Policies

Approved August 12, 1991 • Amended April 25, 2022

POLICY DOCUMENT

THIS PAGE INTENTIONALLY LEFT BLANK

POTABLE WATER GOALS, OBJECTIVES AND POLICIES

GOAL 1

To provide efficient and effective potable water service in a manner which enhances the public health, safety, and welfare; is consistent with the desired urban form; and minimizes public costs.

Objective 1.1 The City shall establish wellhead protection areas consistent with the DEP 500 foot radial setback and continue coordination with Orange County and SJRWMD on future wellhead protection areas.

(Amended February 7, 2000, Effective March 9, 2000, Doc. No. 32636)

Policy 1.1.1 The City shall prohibit potentially high risk land uses from the established cones of influence.

Policy 1.1.2 OUC shall periodically monitor and inspect its potable water wells to ensure they are in good repair and are not acting as conduits to potentially contaminated water.

(Amended April 24, 2017, Effective May 25, 2017; Doc. No. 1704241203)

Policy 1.1.3 The City shall not approve any new development classified as a large quantity generator by the Resource Conservation and Recovery Act or land uses prohibited in Conservation Policy 1.3.1 within the established cones of depression as an interim measure until such time that an Aquifer Protection and Wellhead Protection ordinance is adopted unless adequate leak protection and spill containment up to 150% of the stored volume is guaranteed.

Objective 1.2 In addition to the significant reduction in per household demand already achieved since 2004, the City shall reduce total per household potable water demand by an additional 3 percent between 2017 and 2020, and an additional 4 percent by 2040, from a baseline in 2017 of 79,000 gallons per household per year.

(Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004; Amended April 24, 2017, Effective May 25, 2017; Doc. No. 1704241203)

Policy 1.2.1 In order to conserve potable water supplies throughout the planning period, the City Landscaping Code and its water conservation requirements shall apply.

The City shall continue to improve conservation rates by periodically updating the Building Code and Land Development Code to incorporate advances in water conservation practices.

(Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004; Amended April 24, 2017, Effective May 25, 2017; Doc. No. 1704241203)

- Policy 1.2.2 OUC shall conduct water audits for commercial and residential customers to reduce and eliminate leaks and inefficient use.
- Policy 1.2.3 The City shall reduce the use of potable water for irrigation purposes throughout the planning period by adopting and enforcing regulations that require property owners in the reclaimed water service area to connect to the reclaimed water network where feasible. When determining reclaimed water feasibility the availability of reclaimed water and the net reduction in potable water use shall be considered (when potable water saved is greater than potable water flushing for water quality).
(Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004; Amended April 24, 2017, Effective May 25, 2017; Doc. No. 1704241203)
- Policy 1.2.4 The City shall reduce the use of potable water for irrigation purposes by maintaining regulations throughout the planning period that require the use of native vegetation or other drought resistant species in new development.
(Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004)
- Policy 1.2.5 OUC will continue to require the metering of all water to ensure accountability of water use.
- Policy 1.2.6 The City Planning Division and the Public Works Department shall be responsible for coordinating with the OUC to identify and implement proposals to pursue new water conservation opportunities.
(Amended May 16, 1994, Effective July 28, 1994, Doc. No. 27538; Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004)
- Policy 1.2.7 The City shall permit future growth and development only within designated service areas where existing public facilities have sufficient capacity, or public/private financial commitments have been made, to support the projected service demands and to discourage urban sprawl. Improvements needed to address projected deficiencies shall be included in the Capital Improvements Element prior to development approval.
(Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004)
- Policy 1.2.8 Reserved.
(Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004; Amended April 24, 2017, Effective May 25, 2017; Doc. No. 1704241203)
- Policy 1.2.9 OUC shall promote water conservation through multi-media outreach activities and supporting educational efforts including television and radio advertising, website information and other outreach initiatives.
(Amended July 7, 2008, Effective September 30, 2008, Doc. No. 0807071004; Amended April 24, 2017, Effective May 25, 2017; Doc. No. 1704241203)
- Policy 1.2.10 OUC shall conduct landscape irrigation audits for high-volume users.
(Amended July 7, 2008, Effective September 30, 2008, Doc. No. 0807071004)

Policy 1.2.11 OUC shall maintain inverted block water rates and may increase such rates over time if necessary.
(Amended July 7, 2008, Effective September 30, 2008, Doc. No. 0807071004)

Objective 1.3 The City shall cooperate in implementing the Central Florida Water Initiative Regional Water Supply Plan through regular OUC/Water Management District coordination and jurisdictional authority, throughout the planning period and through adoption of the City’s Water Supply Facilities Work Plan. The City shall adopt and maintain the Water Supply Facilities Work Plan for at least a 10-year planning period. The 2022 Water Supply Facilities Work Plan, dated December 21, 2021 is herein adopted, by reference. The Water Supply Facilities Work Plan provides data and analysis necessary to support the goals, objectives and policies in this element. A 5-year schedule of water supply projects needed to meet demand in the Plan is provided in Figure PW-3. Supporting data and analysis may be attached as appendices to the Water Supply Facilities Work Plan, and updated from time to time, without the necessity of an amendment to the Growth Management Plan.
(Amended May 16, 1994, Effective July 28, 1994, Doc. No. 27538; Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004; Amended July 7, 2008, Effective September 30, 2008, Doc. No. 0807071004; Amended June 8, 2009, Effective August 25, 2009, Doc. No. 0906081103; Amended April 24, 2017, Effective May 25, 2017; Doc. No. 1704241203; Amended April 25, 2022, Effective May 26, 2022, Doc. No. 2204251201)

Policy 1.3.1 The City shall, through the mandated operating procedures of the Orlando Utilities Commission, and through adoption of the City’s Water Supply Facilities Work Plan, cooperate in implementing the State’s Water Supply Plan and the regional Central Florida Water Initiative Regional Water Supply Plan.
(Amended May 16, 1994, Effective July 28, 1994, Doc. No. 27538; Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004; Amended April 24, 2017, Effective May 25, 2017; Doc. No. 1704241203)

Policy 1.3.2 The City shall update its Water Supply Facilities Work Plan within eighteen months after the adoption of the Central Florida Water Initiative Regional Water Supply Plan, pursuant to the adoption schedule of the South Florida Water Management District, the St. Johns Water Management District and the Southwest Florida Water Management District.
(Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004; Amended April 24, 2017, Effective May 25, 2017; Doc. No. 1704241203)

Policy 1.3.3 The Water Supply Facilities Work Plan shall incorporate projected demand from all properties located within City limits, including those served by the Orlando Utilities Commission, Orange County Utilities Department, the Taft Water Association and the Winter Park Utilities Department. In addition, the Plan shall address each utility’s water supply projects that are needed to accommodate the projected demand.
(Amended July 7, 2008, Effective September 30, 2008, Doc. No. 0807071004)

Objective 1.4 The City shall continue efforts to expand its wastewater reuse service areas.

Policy 1.4.1 The City shall develop the re-use of wastewater and/or reclaimed water wherever it is economically and environmentally feasible.
(Amended February 7, 2000, Effective March 9, 2000, Doc. No. 32636)

Policy 1.4.2 The City shall coordinate extension of the reclaimed water system into residential and commercial developments where feasible.
(Amended February 7, 2000, Effective March 9, 2000, Doc. No. 32636; Amended April 25, 2022, Effective May 26, 2022 Doc. No. 2204251201)

Policy 1.4.3 The City shall implement the reclaimed water capital projects described in the 10-year Water Supply Facilities Work Plan and the Capital Improvements Element.
(Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004)

Policy 1.4.4 Within the Wekiva Overlay, as identified in Figure WW-28, the City shall require new development proposals that meet the thresholds for designation as a Development of Regional Impact to evaluate the feasibility of extending reclaimed water lines to serve the property.
(Amended December 15, 2008, Effective March 10, 2009, Doc. No.0812151104)

Objective 1.5 The City shall annually evaluate the potable water infrastructure to maximize its use.

Policy 1.5.1 OUC shall replace water production and distribution facilities based on improved efficiency, quality or reliability.

Policy 1.5.2 The City shall use the following Levels of Service in its evaluation of future potable water infrastructure service:

<u>Land Use</u>	<u>LOS Without Reclaimed Water</u>	<u>LOS With Reclaimed Water</u>
Single-Family	325 g/du/d	160 g/du/d
Multi-Family	200 g/du/d	200 g/du/d
Office	0.15 g/sqft/d	0.15 g/sqft/d
Commercial	0.13 g/sqft/d	0.13 g/sqft/d
Hotel	187 g/rm/d	187 g/rm/d
Industrial	0.22 g/sqft/d	0.22 g/sqft/d
Government	0.15 g/sqft/d	0.15 g/sqft/d
Hospital	0.22 g/sqft/d	0.22 g/sqft/d

<u>Design Flow</u>	<u>Pressure</u>
Average Day	50 psi
Peak Day	40 psi
Peak Day plus Fire	25 psi

These LOS shall be based on the average day demand.
(Amended January 30, 2006, Effective March 2, 2006, Doc. No. 060130908)

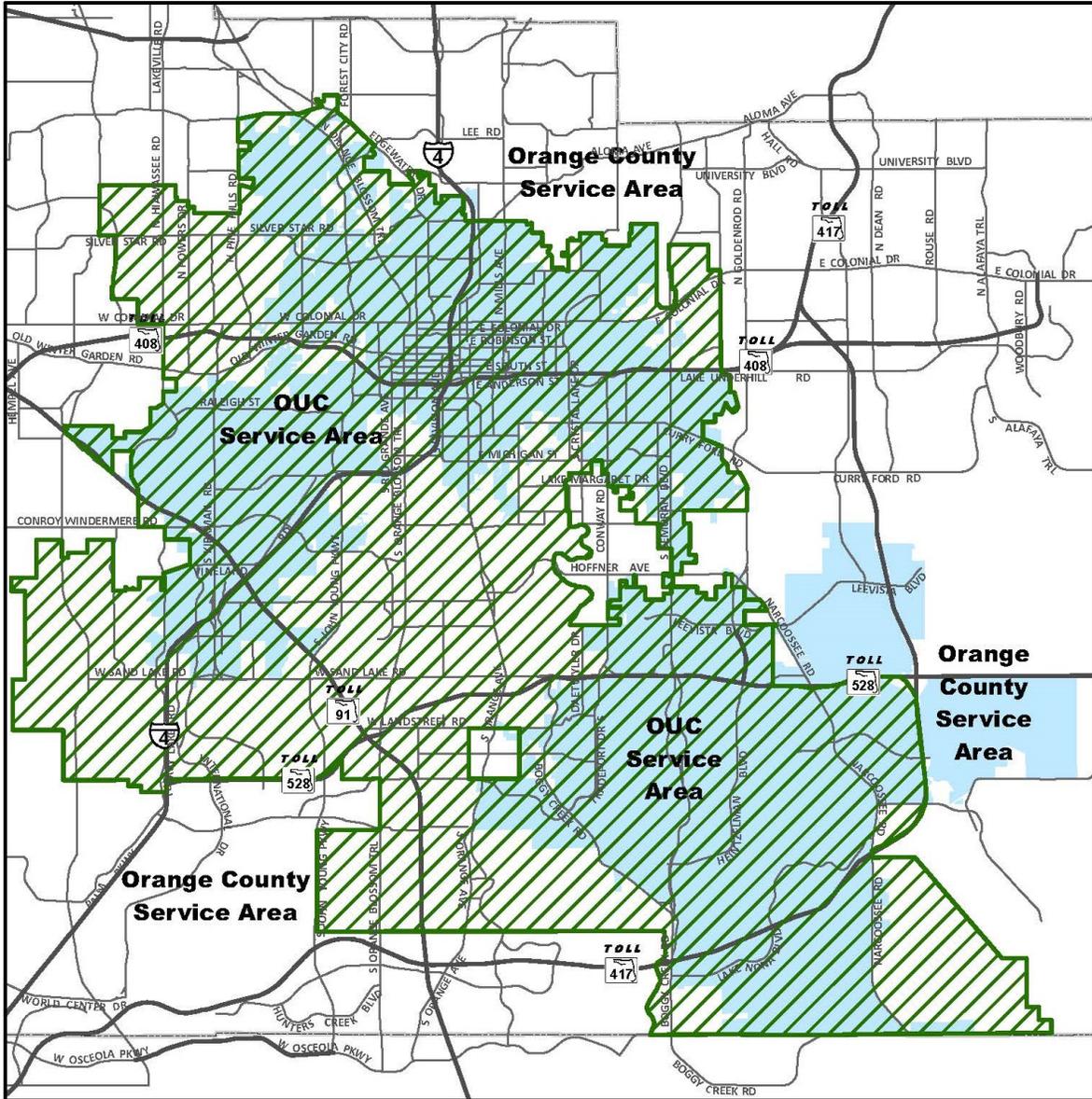
- Policy 1.5.3 The City shall coordinate with OUC to ensure that adequate quantities of water are available to meet the demands for fire protection.
(Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004)
- Policy 1.5.4 The Orlando Utilities Commission shall provide water service pursuant to the provisions of the Amended and Restated Orlando Utilities Commission/Orange County Water Service Territorial Agreement.
(Amended September 11, 1995, Effective November 27, 1995, Doc. No. 28770; Amended February 7, 2000, Effective March 9, 2000, Doc. No. 32636)
- Policy 1.5.5 The City shall coordinate with OUC to adjust potable water level of service standards over time to account for per-unit demand reductions caused by conservation measures and the increased availability of reclaimed water.
(Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004)
- Objective 1.6** All potable water delivered by OUC within the City Limits shall meet the State’s primary drinking water standards.
- Policy 1.6.1 OUC shall periodically analyze water quality to ensure compliance with water quality criteria set forth in the Florida Safe Drinking Water Act.
(Amended February 7, 2000, Effective March 9, 2000, Doc. No. 32636)
- Objective 1.7** The City shall integrate land use and water resource planning to ensure that a sufficient supply of potable water is available at the time of development.
(Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004)
- Policy 1.7.1 The City shall coordinate with the SJRWMD and the SFWMD when considering GMP amendments that may increase demand for potable water.
(Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004)
- Policy 1.7.2 The City shall coordinate with SJRWMD and the SFWMD when considering new DRIs or DRI amendments that may increase demand for potable water.
(Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004)
- Objective 1.8** The City shall work with local and regional organizations to identify and, where feasible, implement alternative water supply projects.
(Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004)
- Policy 1.8.1 In order to conserve potable water supplies throughout the planning period, the City shall maintain Landscaping Code regulations that require water reduction devices in new development and decrease use of potable water supplies for non-potable water uses.
- The City shall continue to improve conservation rates by periodically updating the Building Code and Land Development Code to incorporate advances in water conservation practices.
(Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004; Amended April 24, 2017, Effective May 25, 2017; Doc. No. 1704241203)

Policy 1.8.2 The City shall coordinate with OUC to implement feasible alternative water supply projects as identified in the Central Florida Water Initiative (CFWI) Regional Water Supply Plan and the City’s Water Supply Facilities Work Plan.
(Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004; Amended April 24, 2017, Effective May 25, 2017; Doc. No. 1704241203)

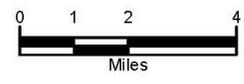
Policy 1.8.3 Within 18 months of approval of a revised regional water supply plan, the City shall select alternative water supply projects that may be implemented and incorporate those projects into Figure PW-3: Water Supply Facilities Work Plan, and Figure CI-14: the Capital Improvements Fund Schedule, as applicable.
(Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004; Amended June 8, 2009, Effective August 25, 2009, Doc. No. 0906081103)

PW-1

Potable Water Service Area



LEGEND



-  Orlando City Limits
-  Potable Water Service Area
-  Orange County / Other Service Areas

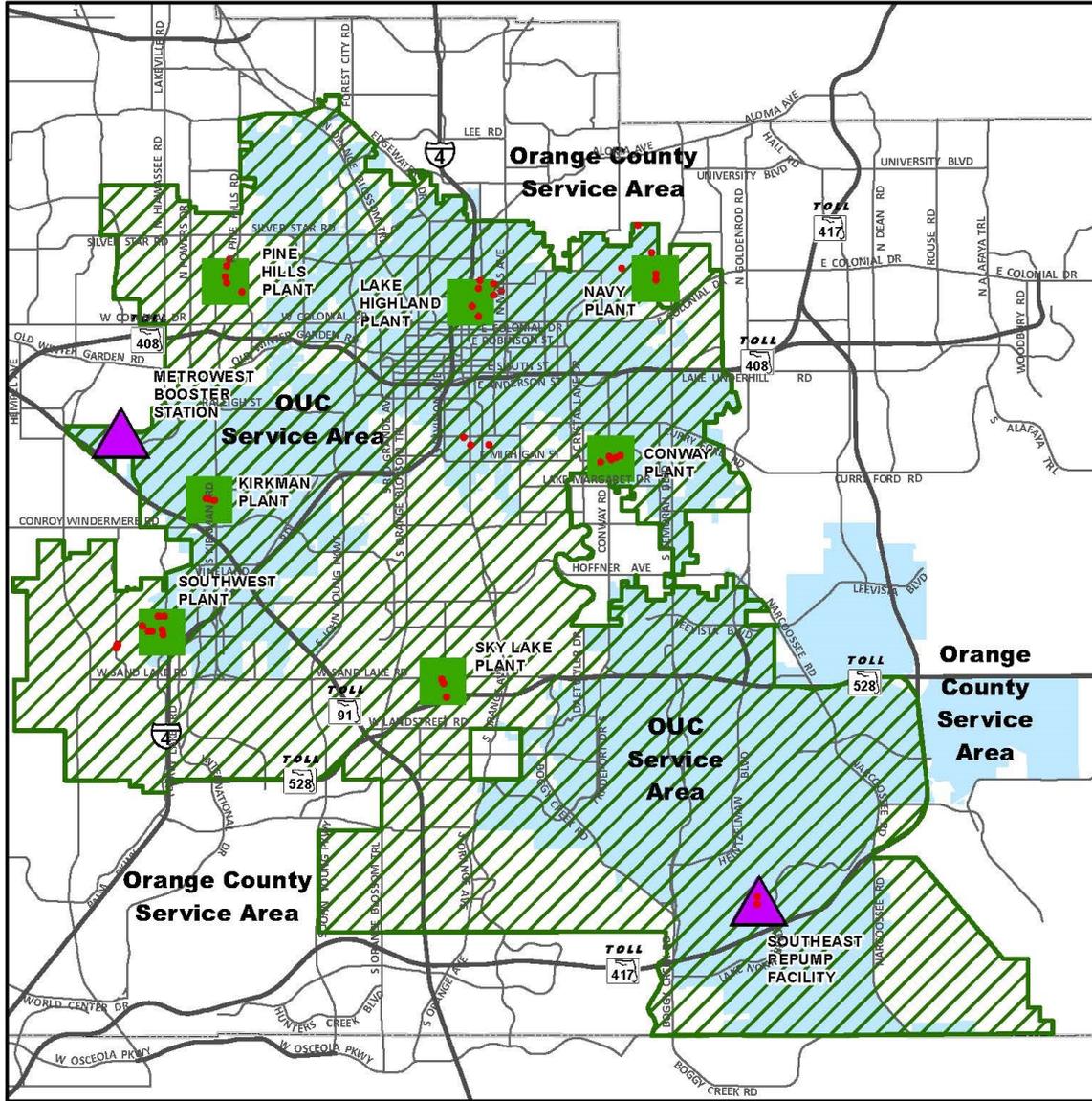


City of Orlando, Economic Development Department
City Planning Division, February 2018

Amended January 22, 2007, Effective April 9, 2007; Doc. Num. 0701221004;
Amended April 24, 2017, Effective May 25, 2017; Doc. Num. 1704241203

PW-2

Potable Water Facilities



LEGEND		
	Well Site	
	Pump Station	Orlando City Limits
	Treatment Plant	Potable Water Service Area

City of Orlando, Economic Development Department
City Planning Division, February 2018

Amended January 22, 2007, Effective April 9, 2007, Doc. Num. 0701221004;
Amended April 24, 2017, Effective May 25, 2017, Doc. Num. 1704241203

Figure: PW 3
Five-Year Schedule of Water Supply Projects 2021-2026

Project Name	Project #	Funding Source	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	5 Year Total
Potable Water - OUC Projects								
Major Developer Initiated Projects	OUC	OUC Funds	300,000	300,000	300,000	300,000	300,000	1,500,000
Constructed Water T&D	OUC	OUC Funds	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Engineering R&R and Inter Agency	OUC	OUC Funds	1,996,000	1,846,000	8,137,000	8,487,000	13,400,000	33,866,000
Summerlin Water Project (RR)	OUC	OUC Funds	1,813,000	2,313,000	2,313,000	2,313,000	-	8,752,000
Brick Street Project (RR)	OUC	OUC Funds	4,941,000	4,941,000	-	-	-	9,882,000
Lift Station 2 Project (RR)	OUC	OUC Funds	3,250,000	3,250,000	2,250,000	2,250,000	-	11,000,000
WDIS Projects R&R combine (notes 2&6)	OUC	OUC Funds	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	15,000,000
Loop Closures/Tools & Equipment (Note 7)	OUC	OUC Funds	300,000	300,000	300,000	300,000	300,000	1,500,000
Donated Water T&D (100% Funded)	OUC	OUC Funds	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	20,000,000
Boggy Creek Pipeline	OUC	OUC Funds	200,000	-	-	-	-	200,000
Backflow Residential	OUC	OUC Funds	4,000,000	4,000,000	4,000,000	4,000,000	-	16,000,000
Backflow Commerical	OUC	OUC Funds	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	15,000,000
Skylake Pipeline Extension	OUC	OUC Funds	-	-	-	500,000	4,000,000	4,500,000
Well & High Service Pump & VFD Upgrades	OUC	OUC Funds	300,000	300,000	300,000	300,000	300,000	1,500,000
Production Plant Modification & Equip.	OUC	OUC Funds	300,000	300,000	300,000	300,000	300,000	1,500,000
Granular Activated Carbon - Conway	OUC	OUC Funds	13,629,000	2,298,000	-	-	-	15,927,000
Granular Activated Carbon - Lake Highland	OUC	OUC Funds	23,000	1,472,000	6,756,000	8,250,000	-	16,501,000
Granular Activated Carbon - Sky Lake	OUC	OUC Funds	-	-	1,274,000	1,611,000	18,615,000	21,500,000
Granular Activated Carbon - Navy	OUC	OUC Funds	-	-	-	1,053,000	447,000	1,500,000
Ozone Generator Program - Direct Injection - Conway	OUC	OUC Funds	2,741,000	305,000	-	-	-	3,046,000
Ozone Generator Program - Direct Injection - Kirkman	OUC	OUC Funds	-	326,000	2,423,000	1,615,000	-	4,364,000
Ozone Generator Program - Direct Injection - Lake Highland	OUC	OUC Funds	57,000	381,000	1,575,000	3,268,000	-	5,281,000
Ozone Generator Program - Direct Injection - Sky Lake	OUC	OUC Funds	-	-	381,000	296,000	3,447,000	4,124,000
Ozone Generator Program - Direct Injection - Navy	OUC	OUC Funds	-	-	-	324,000	116,000	440,000
Ozone Generator Program - Generator Replacement	OUC	OUC Funds	-	-	-	-	4,000,000	4,000,000
System Reliability Emergency Generator	OUC	OUC Funds	483,000	410,000	-	-	-	893,000
System Reliability - Kirkman	OUC	OUC Funds	91,000	1,661,000	338,000	-	-	2,090,000
System Reliability - Lake Highland	OUC	OUC Funds	15,000	981,000	3,424,000	4,180,000	-	8,600,000
Alternative Water Supply LLFA test well / design / construction	OUC	OUC Funds	1,176,000	3,368,000	4,508,000	11,025,000	13,514,000	33,591,000
Chlorine Conversion - Conway	OUC	OUC Funds	957,000	161,000	-	-	-	1,118,000
Chlorine Conversion - Kirkman	OUC	OUC Funds	200,000	1,200,000	300,000	-	-	1,700,000
Chlorine Conversion - Lake Highland	OUC	OUC Funds	-	199,000	651,000	850,000	-	1,700,000
Chlorine Conversion - Sky Lake	OUC	OUC Funds	-	-	141,000	159,000	1,400,000	1,700,000
Chlorine Conversion - Navy	OUC	OUC Funds	-	-	-	141,000	59,000	200,000
Chlorine Conversion - Southeast	OUC	OUC Funds	250,000	-	-	-	-	250,000
Chlorine Conversion - Southwest	OUC	OUC Funds	-	-	539,000	1,161,000	-	1,700,000
Skylake WTP 7.5 MGD Well (2)	OUC	OUC Funds	-	75,000	249,000	1,275,000	-	1,599,000
Consumptive Use Compliance (City Payment)	OUC	OUC Funds	-	-	850,000	820,000	-	1,670,000
Alternative Water Supply TCR/SJR	OUC	OUC Funds	250,000	250,000	250,000	1,600,000	3,000,000	5,350,000
CUP Renewal	OUC	OUC Funds	300,000	80,000	-	-	-	380,000
TOTAL			48,572,000	41,717,000	52,559,000	67,378,000	74,198,000	284,424,000

THIS PAGE INTENTIONALLY LEFT BLANK