

VII. NEW BUSINESS

ITEM A/B

**ORDER ADOPTING AMENDMENTS TO WTCPUA’s LAND USE ASSUMPTIONS,
CAPITAL IMPROVEMENTS PLAN, AND IMPACT FEES FOR WATER IMPACT FEE
SERVICE AREAS**

THE STATE OF TEXAS §
§
COUNTIES OF TRAVIS AND HAYS §

The Board of Directors of West Travis County Public Utility Agency (“**WTCPUA**”) met in a regular session, open to the public, after due notice, in the Council Chambers of the City of Bee Cave City Hall, 4000 Galleria Parkway, Bee Cave, Texas, 78738, an official meeting place within the boundaries of WTCPUA, on August 19, 2021; whereupon the roll was called of the members of the Board of Directors, to wit:

Scott Roberts	President
Jack Creveling	Vice President
Walt Smith	Secretary/Treasurer
Jason Bethke	Director
Clint Garza	Director

All members of the Board were present.

WHEREUPON, among other business conducted by the Board, Director Roberts introduced the order set out below and moved its adoption, which motion was seconded by Director _____, and, after full discussion and the question being put to the Board of Directors, said motion was carried by the following vote:

“Aye” __; “No” __.

The Order thus adopted is as follows:

WHEREAS, WTCPUA is a public utility agency created by concurrent ordinance of Hays County, the City of Bee Cave, and West Travis County Municipal Utility District No. 5, and it is governed by Chapter 572 of the Texas Local Government Code;

WHEREAS, WTCPUA operates a water system, providing water services to its customers;

WHEREAS, WTCPUA’s water service area is divided into two distinct service areas; the Highway 71 Water System Service Area (“**Highway 71 Service Area**”) and the Highway 290 Water System Service Area (“**Highway 290 Service Area**”);

WHEREAS, on September 27, 2012, the Board of Directors of WTCPUA adopted land use assumptions and a water capital improvements plan for the Highway 71 Service Area and Highway 290 Service Area;

WHEREAS, on November 1, 2012, the Board of Directors of WTCPUA adopted the imposition of water impact fees for the Highway 71 Service Area and Highway 290 Service Area;

WHEREAS, on December 18, 2014, the Board of Directors of the WTCPUA amended its water impact fees for the Highway 71 Service Area and Highway 290 Service Area, in accordance with Chapter 395 of the Texas Local Government Code;

WHEREAS, on September 20, 2018, the Board of Directors of the WTCPUA amended its water impact fees for the Highway 71 Service Area and Highway 290 Service Area, in accordance with Chapter 395 of the Texas Local Government Code;

WHEREAS, WTCPUA desires to update the land use assumptions, capital improvements plan, and water impact fees for the Highway 71 Service Area and Highway 290 Service Area, in accordance with Chapter 395 of the Texas Local Government Code;

WHEREAS, WTCPUA has received a report from its engineer, entitled “*Land Use Assumptions and Capital Improvements Plan for West Travis County Public Utility Agency 2021 Impact Fee Study*” (the “**Study**”), attached hereto as Exhibit A, providing recommended amendments regarding WTCPUA’s land use assumptions and capital improvements plan;

WHEREAS, WTCPUA has received a report from its rate consultant, entitled “*Land Use Assumption & Impact Fee Report*” (the “**Report**”), attached hereto as Exhibit B, providing recommended amendments regarding WTCPUA’s land use assumptions and water impact fees for the Service Area;

WHEREAS, WTCPUA previously appointed an impact fee advisory committee (“**Committee**”), and such Committee met on August 5, 2021, to consider potential amendments to WTCPUA’s land use assumptions, capital improvements plan, and water impact fees;

WHEREAS, the Committee has prepared written recommendations regarding such amendments (attached hereto as Exhibit C), and it has provided such recommendations to WTCPUA’s Board of Directors;

WHEREAS, after providing proper notice to the public, WTCPUA held a public hearing on August 19, 2021, regarding the adoption of amendments to WTCPUA’s land use assumptions, capital improvements plan, and water impact fees for the Highway 71 Service Area and Highway 290 Service Area;

WHEREAS, the Board of Directors has reviewed the Study, the Report, all public input provided at the public hearing, and the recommendations from the Committee regarding the proposed amendments; and

WHEREAS, the Board of Directors desires to adopt amendments to WTCPUA’s land use assumptions, capital improvements plan, and water impact fees, as provided herein.

NOW THEREFORE, it is ordered by the Board of Directors of West Travis County Public Utility Agency as follows:

Section 1: The above recitals are true and correct and are incorporated into this Order for all purposes.

Section 2: After considering the Study, the Report, public input from the public hearing, recommendations of the Committee, and other related information, the Board of Directors has determined that WTCPUA's land use assumptions and capital improvements plan for water service should be amended with the land use assumptions and capital improvements plan for water service provided in the Study and Report, attached hereto as Exhibits A and B; save and except for the Service Unit Table and Highway 71 Service Area and Highway 290 Service Area boundaries contained in the September 27, 2012 land use assumptions and capital improvements plan. The Board of Directors of WTCPUA hereby (1) approves the land use assumptions and capital improvements plan for water service provided in the Study and Report, attached hereto as Exhibits A and B, and (2) affirms and re-approves the Service Unit Table and Highway 71 Service Area and Highway 290 Service Area contained in the September 27, 2012 land use assumptions and capital improvements plan.

Section 3: After considering the Study, the Report, public input from the public hearing, recommendations of the Committee, and other related information, the Board of Directors has determined that for the Highway 71 Service Area, a water impact fee in the amount of \$_____ per living unit equivalent ("*LUE*") is reasonable and necessary to generate revenue for funding or recouping the costs of water capital improvements or facility expansions necessitated by and attributable to new development, in accordance with Chapter 395 of the Texas Local Government Code, so that WTCPUA can provide water service to the Highway 71 Service Area.

Section 4: After considering the Study, the Report, public input from the public hearing, recommendations of the Committee, and other related information, the Board of Directors has determined that for the Highway 290 Service Area, a water impact fee in the amount of \$_____ per LUE is reasonable and necessary to generate revenue for funding or recouping the costs of water capital improvements or facility expansions necessitated by and attributable to new development, in accordance with Chapter 395 of the Texas Local Government Code, so that WTCPUA can provide water service to the Highway 290 Service Area.

Section 5: The Board of Directors of WTCPUA hereby amends the amount of the water impact fee for the Highway 71 Service Area to \$_____ per LUE, effective on August _____.

Section 6: The Board of Directors of WTCPUA hereby amends the amount of the water impact fee for the Highway 290 Service Area to \$_____ per LUE, effective on _____.

Section 7: WTCPUA's water impact fees for the Highway 71 Service Area and Highway 290 Service Area shall be assessed and collected by WTCPUA in compliance with

Chapter 395 of the Texas Local Government Code, WTCPUA's Tariff and policies, and other applicable laws.

Section 8: All funds collected from the water impact fees for the Highway 71 Service Area and Highway 290 Service Area shall only be used for the purposes for which such impact fees were imposed, in accordance with WTCPUA's approved capital improvements plan and Chapter 395 of the Texas Local Government Code.

Section 9: None of the funds collected from the water impact fees for the Highway 71 Service Area and Highway 290 Service Area shall be used or expended for an improvement or expansion that is not identified in WTCPUA's approved capital improvements plan or in a manner inconsistent with Chapter 395 of the Texas Local Government Code.

Section 10: All funds collected from the water impact fees for the Highway 71 Service Area and Highway 290 Service Area shall be deposited in interest-bearing accounts clearly identifying the category of capital improvements or facility expansions within such Service Areas.

Section 11: All interest earned on the water impact fees for the Highway 71 Service Area and Highway 290 Service Area shall be considered funds of the account in which it is earned and will be subject to all restrictions placed on use of those fees as provided in Chapter 395 of the Texas Local Government Code.

Section 12: The records of the accounts into which the water impact fees for the Highway 71 Service Area and Highway 290 Service Area are deposited shall be open for public inspection and copying during ordinary business hours.

Section 13: WTCPUA's Board President, General Manager, engineer, legal counsel, and other consultants are authorized to take all actions consistent with the purposes of this Order, including amending WTCPUA's Tariff to reflect the directives included herein.

PASSED AND APPROVED this ____th day of August, 2021.

Scott Roberts, President
Board of Directors

ATTEST:

Walt Smith, Secretary
Board of Directors

EXHIBIT A

Study

**ORDER ADOPTING AMENDMENTS TO WTCPUA’s LAND USE ASSUMPTIONS,
CAPITAL IMPROVEMENTS PLAN, AND IMPACT FEES FOR WASTEWATER
IMPACT FEE SERVICE AREAS**

THE STATE OF TEXAS §
§
COUNTIES OF TRAVIS AND HAYS §

The Board of Directors of West Travis County Public Utility Agency (“*WTCPUA*”) met in a regular session, open to the public, after due notice, in the Council Chambers of the City of Bee Cave City Hall, 4000 Galleria Parkway, Bee Cave, Texas, 78738, an official meeting place within the boundaries of WTCPUA, on August 19, 2021; whereupon the roll was called of the members of the Board of Directors, to wit:

Scott Roberts	President
Jack Creveling	Vice President
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Jason Bethke	Director
Clint Garza	Director

All members of the Board were present.

WHEREUPON, among other business conducted by the Board, Director Roberts introduced the order set out below and moved its adoption, which motion was seconded by Director _____, and, after full discussion and the question being put to the Board of Directors, said motion was carried by the following vote:

“Aye” __; “No” __.

The Order thus adopted is as follows:

WHEREAS, WTCPUA is a public utility agency created by concurrent ordinance of Hays County, the City of Bee Cave, and West Travis County Municipal Utility District No. 5, and it is governed by Chapter 572 of the Texas Local Government Code;

WHEREAS, WTCPUA operates a wastewater system, providing wastewater services to its customers;

WHEREAS, on September 27, 2012, the Board of Directors of WTCPUA adopted land use assumptions and a wastewater capital improvements plan for the wastewater impact fee service area (“*Wastewater Service Area*”);

WHEREAS, on November 1, 2012, the Board of Directors of WTCPUA adopted the imposition of wastewater impact fees for the Wastewater Service Area;

WHEREAS, on December 18, 2014, the Board of Directors of the WTCPUA amended its wastewater impact fee for the WTCPUA's Wastewater Service Area, in accordance with Chapter 395 of the Texas Local Government Code;

WHEREAS, on September 20, 2018, the Board of Directors of the WTCPUA amended its wastewater impact fee for the WTCPUA's Wastewater Service Area, in accordance with Chapter 395 of the Texas Local Government Code;

WHEREAS, WTCPUA desires to update the land use assumptions, capital improvements plan, and wastewater impact fees related to the Wastewater Service Area, in accordance with Chapter 395 of the Texas Local Government Code;

WHEREAS, WTCPUA has received a report from its engineer, entitled "*Land Use Assumptions and Capital Improvements Plan for West Travis County Public Utility Agency 2021 Impact Fee Study*" (the "**Study**"), attached hereto as Exhibit A, providing recommended amendments regarding WTCPUA's land use assumptions and capital improvements plan;

WHEREAS, WTCPUA has received a report from its rate consultant, entitled "*Land Use Assumption & Impact Fee Report*" (the "**Report**"), attached hereto as Exhibit B, providing recommended amendments regarding WTCPUA's land use assumptions and wastewater impact fees for the Wastewater Service Area;

WHEREAS, WTCPUA previously appointed an impact fee advisory committee ("**Committee**"), and such Committee met on August 5, 2021, to consider potential amendments to WTCPUA's land use assumptions, capital improvements plan, and wastewater impact fees;

WHEREAS, the Committee has prepared written recommendations regarding such amendments (attached hereto as Exhibit C), and it has provided such recommendations to WTCPUA's Board of Directors;

WHEREAS, after providing proper notice to the public, WTCPUA held a public hearing on August 19, 2021, regarding the adoption of amendments to WTCPUA's land use assumptions, capital improvements plan, and wastewater impact fees for the Wastewater Service Area;

WHEREAS, the Board of Directors has reviewed the Study, the Report, all public input provided at the public hearing, and the recommendations from the Committee regarding the proposed amendments; and

WHEREAS, the Board of Directors desires to adopt amendments to WTCPUA's land use assumptions, capital improvements plan, and wastewater impact fees, as provided herein.

NOW THEREFORE, it is ordered by the Board of Directors of West Travis County Public Utility Agency as follows:

Section 1: The above recitals are true and correct and are incorporated into this Order for all purposes.

Section 2: After considering the Study, the Report, public input from the public hearing, recommendations of the Committee, and other related information, the Board of Directors has determined that WTCPUA's land use assumptions and capital improvements plan for wastewater service should be amended with the land use assumptions and capital improvements plan for wastewater service provided in the Study and Report, attached hereto as Exhibits A and B; save and except for the Service Unit Table and Service Area boundaries contained in the September 27, 2012 land use assumptions and capital improvements plan. The Board of Directors of WTCPUA hereby (1) approves the land use assumptions and capital improvements plan for wastewater service provided in the Study and Report, attached hereto as Exhibits A and B, and (2) affirms and re-approves the Service Unit Table and Service Area contained in the September 27, 2012 land use assumptions and capital improvements plan.

Section 3: After considering the Study, the Report, public input from the public hearing, recommendations of the Committee, and other related information, the Board of Directors has determined that for the Service Area, a wastewater impact fee in the amount of \$_____ per living unit equivalent ("*LUE*") is reasonable and necessary to generate revenue for funding or recouping the costs of wastewater capital improvements or facility expansions necessitated by and attributable to new development, in accordance with Chapter 395 of the Texas Local Government Code, so that WTCPUA can provide wastewater service to the Wastewater Service Area.

Section 4: The Board of Directors of WTCPUA hereby amends the amount of the wastewater impact fee for the Wastewater Service Area to \$_____ per LUE, effective on _____.

Section 5: WTCPUA's wastewater impact fees for the Wastewater Service Area shall be assessed and collected by WTCPUA in compliance with Chapter 395 of the Texas Local Government Code, WTCPUA's Tariff and policies, and other applicable laws.

Section 6: All funds collected from the wastewater impact fees for the Wastewater Service Area shall only be used for the purposes for which such impact fees were imposed, in accordance with WTCPUA's approved capital improvements plan and Chapter 395 of the Texas Local Government Code.

Section 7: None of the funds collected from the wastewater impact fees for the Wastewater Service Area shall be used or expended for an improvement or expansion that is not identified in WTCPUA's approved capital improvements plan or in a manner inconsistent with Chapter 395 of the Texas Local Government Code.

Section 8: All funds collected from the wastewater impact fees for the Wastewater Service Area shall be deposited in interest-bearing accounts clearly identifying the category of capital improvements or facility expansions within the Wastewater Service Area.

Section 9: All interest earned on the wastewater impact fees for the Wastewater Service Area shall be considered funds of the account in which it is earned and will be subject to

all restrictions placed on use of those fees as provided in Chapter 395 of the Texas Local Government Code.

Section 10: The records of the accounts into which the wastewater impact fees for the Service Area are deposited shall be open for public inspection and copying during ordinary business hours.

Section 11: WTCPUA's Board President, General Manager, engineer, legal counsel, and other consultants are authorized to take all actions consistent with the purposes of this Order, including amending WTCPUA's Tariff to reflect the directives included herein.

PASSED AND APPROVED this ____th day of August, 2021.

Scott Roberts, President
Board of Directors

ATTEST:

Walt Smith, Secretary
Board of Directors

EXHIBIT A

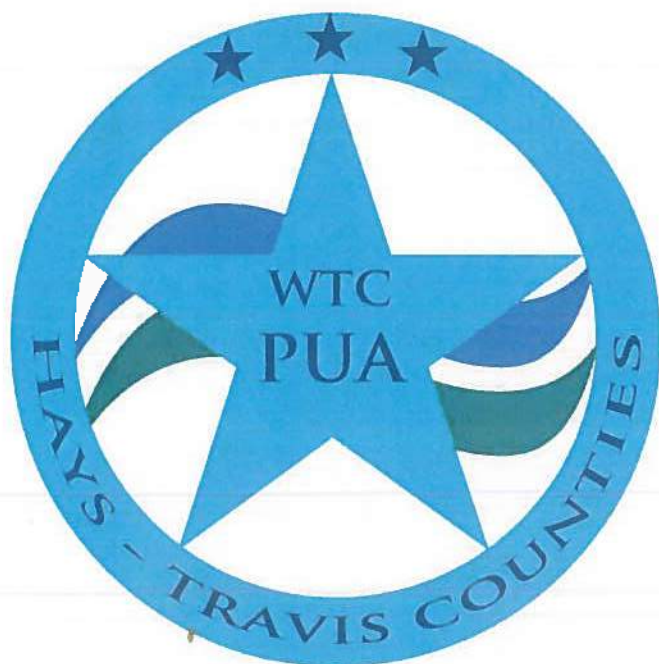
Study

LAND USE ASSUMPTIONS & CAPITAL IMPROVEMENTS PLAN

for

**WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY
2021 IMPACT FEE STUDY**

July 2021



Prepared for:

West Travis County Public Utility Agency
13215 Bee Cave Parkway
Bldg B, Suite 110
Bee Cave, Texas 78738

This document is being released under the Authority of George Murfee, PE No. 39166. It is intended for agency review and approval, subject to change at the direction of the WTCPUA Board of Directors and staff.

George W. Murfee
7-19-21

Prepared by:

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INTRODUCTION

The purpose of this report is to develop the Land Use Assumptions (LUA) and Capital Improvements Plan (CIP) in support of the West Travis County Public Utility Agency 2021 Impact Fee Study for the 2021-2031 planning period. The process and methodology used will be described and the results summarized in tabular and graphical form for use in the impact fee calculations prepared by Nelisa Heddin Consulting, LLC. This report is prepared in accordance with the applicable provisions of Chapter 395 of the Local Government Code: *Financing Capital Improvements Required by New Development in Municipalities, Counties, and Certain Other Local Governments*.

BACKGROUND

Water

The West Travis County Public Utility Agency (WTCPUA) regional water system currently serves approximately 22,129 Living Unit Equivalents (LUEs) in western Travis and northern Hays Counties. Raw water is diverted from Lake Austin under Firm Water Contracts with the Lower Colorado River Authority at intake structures and is delivered to both raw water customers as well as to the Uplands Water Treatment Plant located on Bee Cave Road at its intersection with Bee Cave Parkway. Potable water service is provided to retail and wholesale customers throughout the WTCPUA service area by the Uplands Water Treatment Plant. The distribution system is generally divided into the SH71 and US290 Systems, with the demarcation being the Southwest Parkway Pump Station and the facilities that supply it with water for pumping into the US290 System. This demarcation also includes future facilities that will supply the 290 system with water from Hamilton Pool Road south toward Fitzhugh road. Table 1 provides a summary of existing LUEs by system.

Table 1: Summary of Existing Water LUEs

System	Total Existing Water LUEs
SH71	11,460
US290	10,668
TOTAL	22,129

The division of the system into two main service areas is an operational and planning tool that also leads to separate impact fee calculation for each system. As such, the two-system planning and service strategy is carried through the Land Use Assumptions and Capital Improvements Plan to the calculation of impact fees. Table 2 show the existing and the projected water LUEs and Table 3 shows the existing and projected water LUEs by pressure plane. Table 4 depicts the water LUE growth assumptions by year. Appendix A-1: *Water CIP Exhibit* shows the WTCPUA water system, general division between the SH71 and US290 Systems, major system components, and existing CIP facilities. Appendix A-2: *Proposed CIP* depicts the proposed additional CIP facilities to serve the new growth for the next 10 years.

Wastewater

The WTCPUA regional wastewater system currently serves approximately 4,873 LUEs in a 4,800± acre service area generally within the extraterritorial jurisdiction (ETJ) of the City of Bee Cave. The wastewater collection system includes 22 lift stations and approximately 60 miles of pipe, which deliver raw wastewater for treatment to two wastewater treatment plants. Treated effluent is stored in two effluent holding ponds and is used for irrigation under a Texas Land Application Permit (TLAP) as well as an Authorization for Reclaimed Water (210 Authorization). Appendix B-1: *Wastewater CIP Exhibit* shows the wastewater collection system, service area boundary, major system components, and existing CIP facilities. Appendix B-2: *Proposed Wastewater CIP* shows the proposed CIP addition to provide services for full buildout which is expected in the next ten years.

Table 2: Existing and Projected Water LUE Summary 2021-2031

Murfee Engineering Company, Inc. Texas Registered Firm No. F-353						Date:	7/15/2021	
WTCPUA - Existing and Projected Water LUE Summary 2021-2031								
RETAIL CUSTOMERS								
System	Pressure Plane	Description	Demography Planning Unit	2021 Connections	2021 Existing LUEs*	2021-2031 Projected Growth	Buildout Total (2036)	
US 290	1240	Bear Creek Oaks, Echo Bluff, Hills of Texas	39	270	296	34	355	
		Friendship Ranch, Whispering Oaks, Wildwood, Parten	40	142	207	0	207	
		Fox Run, Barsana	46.1	6	20	0	20	
		S. of FM1826 Barsana to Bear Creek Pass	47.1	11	14	3	18	
		Bear Creek Estates	47.3	24	26	0	26	
		NW of Circle Dr.	116	3	8	0	8	
		US290 South of Circle Dr., Tanglewood W., Hillside	117	194	222	0	222	
		Rimrock Tr., Spring Valley, Ledgestone Terrace, Derecho	118	228	278	40	347	
		Appaloosa Run, Zyle Rd.	119	139	149	0	149	
		Overlook at Lewis Mountain	120	2	2	0	2	
	Infill (Nutty Brown)	120	0	0	87	150		
	Skyridge	120	0	0	58	100		
	1340 N	Heritage Country, Big Country	18.3	105	119	14	143	
		Heritage Oaks, Ledge Stone, Oak Run West, Polo Club	20.2	504	673	0	673	
		Meadow Creek Ranch, Dripping Springs Ranch II	35.2	4	18	1	20	
		Retail West of Belterra	37.1	1	1	0	1	
		Signal Hill	38	81	100	39	167	
		Green Hills	44	23	33	0	33	
		N. of Fitzhugh to the County Line	113	16	25	1	26	
		Infill	n/a	0	0	289	500	
		Oak Run, S. of Fitzhugh to Blackstone	114	17	35	22	73	
		1340 S	Highpointe	41	1026	1209	0	1209
	E. of Sawyer Highpointe to Darden Hill		42	83	133	0	133	
	Woodland Estates		43.2	4	11	27	58	
	1340 (1300)	Infill	n/a	0	0	289	500	
		Onion Creek Ranch, Creek of Driftwood	43.1	76	84	0	84	
		Darden Hill (1 MGD)	42	0	0	668	1157	
		Rim Rock	45	622	815	0	815	
	1420 (290)	Rutherford West	122	158	200	0	200	
		Sunset Canyon	19.3	365	411	0	411	
		Key Ranch, Saratoga Hills	20.1	155	222	0	222	
		Hays Country Acres & Creek	33.2	8	36	0	36	
		Sunset Canyon S.	35.1	146	161	0	161	
		Infill	35.1	0	0	29	50	
	SW of Sawyer Ranch and US290 to Sunset Canyon	36	228	294	17	323		
	US 290 System Retail Subtotal				4,641	5,798	1,617	8,599
	HWY 71	1080 (BCR)	Irrigation near Senna Hills	102	2	4	0	4
			Seven Oaks	103	267	515	0	515
			N. Crystal Creek Dr.	104	3	18	0	18
			S. Crystal Creek Drive	106	2	2	0	2
			Angelwyde	107	1	11	6	20
		1080 (CoBC)	Spanish Oaks, Shops at the Galleria	3H.1	576	1007	1007	2408
Barton Creek Preserve			3H.2	3	3	0	3	
Uplands, HEB			4A.1	205	383	43	442	
The Preserve at Barton Creek			4A.2	46	56	0	56	
Lake Pointe			5A	1086	1213	68	1307	
Backyard			8F	0	0	294	409	
1280 (HPR)		Terraces	8F	0	0	163	227	
		Hill Country Galleria & Surrounding	5C	70	315	0	315	
		Destiny Hills	3D.3	4	6	6	14	
		Bee Cave West, Travis County	3D.5	96	184	69	280	
		W. of Crumley HPR to county line, Rocky Creek	3E.1	402	590	24	623	
		Shield Ranch (Now Inside Conservancy)	3F	1	2	0	2	
1280 (CoBC)		Homestead, Meadowfox, LTYA	3G.1	182	227	0	227	
		Lake Travis Middle School	3K.1	1	50	0	50	
		Cielo Apartments	5B	1	1	76	107	
		Falconhead	8A	568	711	80	822	
		Ladera, Morningside, Skaggs	8F	393	825	245	1165	
1280 (71)		West Cypress Hill	3A	0	0	643	895	
		Kozmetsky	3B.1 / 3B.2	0	0	431	600	
	Lake Travis Independent School District	2C.1	0	0	72	100		
1420 (HPR)	N. of Hamilton Pool Madrone Ranch to Creeks Edge	3D.2	259	442	210	734		
	Hatchett/Provence (TC MUD 22)	3D.2	216	216	1165	1837		
HWY 71 System Retail Subtotal				4,384	6,779	4,601	13,182	
RETAIL TOTAL				9,025	12,577	6,218	21,781	
* - Calculation of LUEs is based on meter size.								
WHOLESALE CUSTOMERS								
System	Pressure Plane	Customer	Demography Planning Unit	Jan 2020-Dec 2020 Average Usage (gpd)	2021 Standardized Water LUEs ¹	2021-2031 Projected Growth	Buildout Total LUEs	
US290	1240 (1160)	Reunion Ranch WCID ²	47.2	293,010	651	-73	524	
		Hays 1	37.1	487,201	1,083	68	1,200	
	1340 N	Hays 2	37.1	484,400	1,076	40	1,146	
		City of Dripping Springs	n/a	55,298	123	2,084	3,733	
	1420 (290)	City of Dripping Springs	n/a	55,298	123	2,084	3,733	
		City of Dripping Springs - Headwaters	19.2	133,555	297	637	1,400	
		Dripping Springs WSC	n/a	682,825	1,517	3,954	8,367	
US 290 System Wholesale Subtotal				2,191,586	4,870	8,793	20,102	
HWY 71	1080 (BCR)	Barton Creek West WSC ²	108	314,146	698	-195	427	
		Crystal Mountain	105	53,265	118	0	118	
		Eanes ISD	n/a	11,094	25	24	58	
	1280 (71)	Senna Hills	102	217,432	483	1	485	
		Lazy Nine MUD 1A (Sweetwater)	3K.1	517,530	1,150	898	2,400	
		TC MUD 12 (Rough Hollow)	2C.2	599,858	1,333	569	2,125	
1420 (HPR)	TC MUD 18 (Bella Colinas/Masonwood)	3D.4	196,893	438	133	623		
	Deer Creek ³	n/a	196,649	437	-91	310		
HWY 71 System Wholesale Subtotal				2,106,866	4,682	1,340	6,546	
WHOLESALE TOTAL				4,298,452	9,552	10,133	26,648	
1 - Using 450 gpd/LUE								
2 - 2020 Wholesale contract annual average consumption exceeds agreement amount								
3 - Contract states 310 built out LUEs, max 400 gpm consumption								
US 290 System Total					10,668	10,410	28,701	
HWY 71 System Total					11,460	5,941	19,728	
GRAND TOTAL					22,129	16,351	48,429	

LAND USE ASSUMPTIONS

The Living Unit Equivalent is utilized as the service unit to determine the ultimate system's demand. For this analysis one Service Unit is defined as one LUE. Table 4 shows the ten year growth for the water service area. The land use assumptions include existing customers, wholesale and retail commitments, assumptions on infill and projects that are known to be in the development pipeline. Notably in the 290 System an additional 10,000+ LUEs are in the planning stages and 5000+ LUEs have been committed to by the PUA for service in the Dripping Springs area, US290 corridor, RR 1826 corridor, and Fitzhugh Lane. In addition to these corridors, growth along Nutty Brown Road is also occurring, including a future HEB in the design and planning phase. Within the SH 71 System Bee Cave Road is essentially built-out, while the City of Bee Cave has 1600± LUEs in the development pipeline with infill of 760 LUEs expected in the SH71, and Bee Cave Parkway area. Hamilton Pool Road has commitments for service from the PUA for Belvedere, Provence and Deer Creek. A minor amount of infill is expected along Hamilton Pool Road. Of note: Table 2 identifies three wholesale customers that are exceeding their contracted amounts based on an average day usage, it is unknown if this trend is expected to continue.

Table 3: Existing and Projected Water LUE Count by Pressure Plane

Existing and Projected Water LUE Count by Pressure Plane				
System	Pressure Plane	2021 Existing LUEs*	2021-2031 Projected Growth	Buildout Total (2036)
US 290	1240	1,871	148	2,128
	1340 N	3,285	2,557	7,715
	1340 S	1,353	316	1,900
	1340 (1300)	1,099	668	2,256
	1420 (290)	3,060	6,721	14,703
HWY 71	1080 (BCR)	1,874	-163	1,647
	1080 (CoBC)	2,976	1,574	5,167
	1280 (HPR)	782	99	919
	1280 (CoBC)	1,814	401	2,371
	1280 (71)	2,921	2,747	6,743
	1420 (HPR)	1,095	1,283	2,881

*Calculation of LUE based on meter size

Table 4: Water Land Use Growth Assumption Summary Tabulation

Impact Fee Planning Period Year	TOTAL LUEs		
	US290	SH71	TOTAL
May-21	10,668	11,460	22,129
Oct-21	10,678	11,493	22,171
Oct-22	11,398	12,148	23,546
Oct-23	12,189	12,788	24,977
Oct-24	13,052	13,414	26,466
Oct-25	13,985	14,027	28,012
Oct-26	14,989	14,625	29,614
Oct-27	16,065	15,208	31,273
Oct-28	17,212	15,778	32,990
Oct-29	18,430	16,333	34,763
Oct-30	19,719	16,874	36,593
Oct-31	21,079	17,401	38,480

Appendix C: *Water LUE Summary Figures* provide a graphical representation of the water LUA.

Tables 5-7 provide a similar summary tabulation for wastewater to that described and provided for water. Since not all water customers in the Bee Caves/ Hwy 71 system receive wastewater service, the growth and total connections will differ.

Table 5: Existing Wastewater LUEs

Murfee Engineering Company, Inc. Texas Registered Firm No. F-353			6/29/2021		
WTCPUA - April 2021 SH71 System WW LUE Summary					
RETAIL CUSTOMERS					
Rate District	Read Route & Description	Connections	Exist WW LUEs*		
SH 71	311 Seven Oaks	10	47		
	312 Uplands	7	105		
	313 Seven Oaks	1	5		
	314 Falconhead	444	527		
	315 Spanish Oaks & Hwy 71	402	596		
	316 Lake Pointe 1	262	272		
	317 Lake Pointe 2	218	233		
	318 Shops at the Galleria	87	404		
	319 Lake Pointe 3	207	212		
	320 Lake Pointe 4	252	269		
	321 620 & 71	600	1167		
TOTAL		2,490	3,835		
* - Calculation of LUEs is based on meter size. Meters with zero consumption were not counted.					
WHOLESALE CUSTOMERS					
Customer	January-December 2020 Average Usage (gpd)	January-December 2020 Peak Month Usage (gpd)	Exist WW LUEs		
Masonwood	99,723	164,433	535		
WCID 17**	87,104	131,567	484		
TOTAL		186,827	296,000	1,019	
** - Calculation of Wholesale LUEs is based on 180 gpd/LUE					
GRAND TOTAL			4,854		

Table 6: Wastewater Land Use Assumption Tabulation; by Development

Upcoming Development	GROWTH from 2021-2031				TOTAL LUEs
	Retail		Wholesale	Total	
	Residential	Commercial			
Backyard	0	409	0	409	4,854
Ladera Ridge	0	19	0	19	5,263
Masonwood	0	0	88	88	5,509
Terraces	227	0	0	227	6,497
West Village	450	450	0	900	5,490
Infill/Buildout*	0	760	0	760	6,409
Subtotal	677	1,638	88	2,403	7,257
TOTAL	2,315				

*Infill/Buildout assumed to be commercial

Table 7: Wastewater Land Use Assumption Tabulation; by Year

Impact Fee Planning Period Year	GROWTH				TOTAL LUEs
	Retail		Wholesale	Total	
	Residential	Commercial			
2021	71	132	8	211	4,854
2022	96	151	8	255	5,065
2023	124	151	8	283	5,320
2024	60	151	8	219	5,603
2025	66	151	8	224	5,822
2026	65	151	8	224	6,046
2027	70	151	8	228	6,270
2028	47	151	8	206	6,498
2029	35	151	8	193	6,704
2030	24	151	8	183	6,897
2031	18	151	8	177	7,080
Subtotal	676	1,638	88	2,403	7,257
TOTAL	2,315				

A graphical representation of the wastewater LUA is presented in Appendix D: *Wastewater LUA Summary Figure*.

SYSTEM PLANNING CRITERIA

In order to step forward to a Capital Improvements Plan from the Land Use Assumptions it is necessary to define the units used in the projections. Therefore the projections are defined in terms of water and wastewater system usage as well as the criteria used to establish the capacities of regional facilities. The capacity of the system's existing and proposed CIP infrastructure are sized to serve the projected growth.

Unit Usage

Based on the operational history of the system under the WTCPUA, which now spans approximately nine years, unit usage in gallons per day per living unit equivalent (gpd/LUE) has been developed for both the water and wastewater systems. Table 8 presents a comparison of the unit usage used in the 2012 Impact Fee Study (IFS) and the revised unit usage used in this report. As can be seen below peak day water usage has dropped to 864 gpd/LUE (the state minimum requirement) from 1,090 gpd/LUE. Similarly the wastewater demand average has decreased to 180 gpd/LUE from 205 gpd/LUE.

Table 8: Water System Unit Usage Comparison

System	2012 IFS Unit Usage (gpd/LUE)	2021 IFS Unit Usage (gpd/LUE)	Description
Water	450	450	Annual average
	1,090	864	Peak day
Wastewater	205	180	30-day average

System Criteria

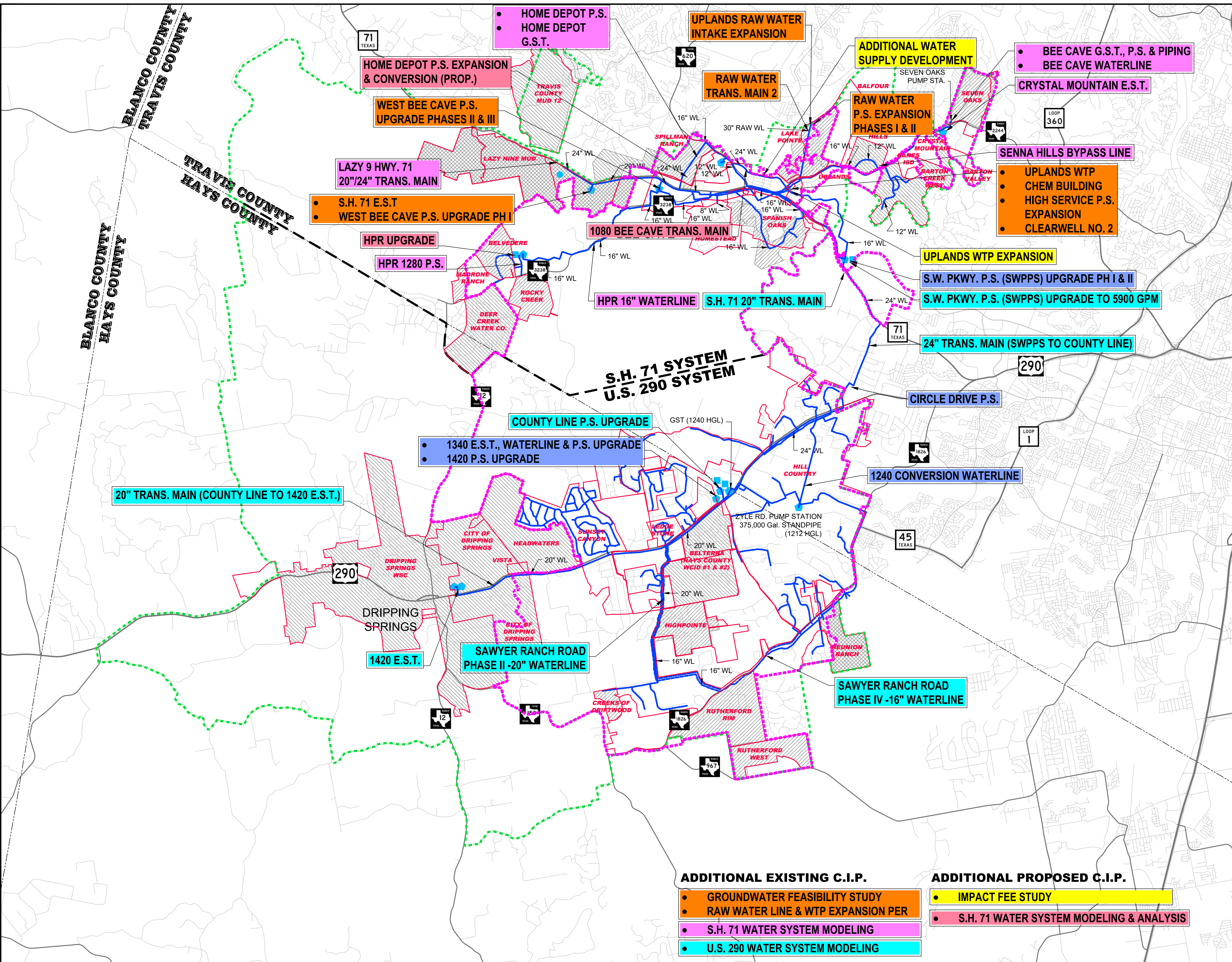
The primary criteria used to establish the capacity of the existing facilities and allocate for growth in CIP projects are pipe velocities, pumping capacity, and system storage. Transmission main capacity

is evaluated using peak day unit usage and a 5 feet per second (fps) limitation on velocity. Pumping capacity is evaluated using the Firm Capacity (the capacity of a pump station when the largest pump is out of service), which is the methodology required by the Texas Commission on Environmental Quality (TCEQ). A water distribution system model is used to evaluate the system dynamically and assist in sizing the facilities to provide minimum service level benchmarks. Once facilities are evaluated using the water distribution system model, the facilities' service areas are delineated and the preliminary capacity is evaluated in terms of the TCEQ minimum water system capacity requirements described in TAC §290.45. For the WTCPUA water system, the pumping requirements are 2.0 gpm/connection in service sub-areas where 200 gallons/connection of ground and elevated storage are not provided and 0.6 gpm/connection in sub-areas that meet the 200 gallons/connection threshold. Total storage is evaluated using dynamic peak day analyses in the water distribution system model as well as the TCEQ minimum criteria of 200 gallons/connection total storage, 100 gallons/connection elevated storage, 20 gallons/connection hydropneumatic system storage, and a clearwell storage capacity of 5% of the water plant's production capacity.

CAPITAL IMPROVEMENTS PLAN

Using the above-described LUAs and the unit usage and system planning criteria, a Capital Improvements Plan was developed that identifies the projects required to meet the forecasted demands as well as estimated dates that the projects will be needed and forecasted project costs. Appendix E contains tables for water and wastewater project capacity assessments and allocations for existing projects as well as those for the proposed projects. The existing and proposed projects together define the CIP for the purposes of the impact fee calculations.

APPENDIX A-1:
Existing Water CIP Exhibit



C.I.P. PROJECTS LEGEND

SYSTEM WIDE
 PROPOSED
 EXISTING

S.H. 71 SYSTEM
 PROPOSED
 EXISTING

U.S. 290 SYSTEM
 PROPOSED
 EXISTING

LEGEND

- WEST TRAVIS COUNTY P.U.A. WATER SYSTEM BOUNDARY
- WEST TRAVIS COUNTY P.U.A. PRELIMINARY RETAIL PLANNING AREA
- EXISTING FACILITIES AND FACILITIES PROPOSED IN C.I.P. PLANS
- EXIST. WHOLESALE CUSTOMERS
- REIMBURSEMENT OBLIGATIONS
- EXIST. WHOLESALE CUSTOMERS WITH REIMBURSEMENT OBLIGATIONS

5000 4750 4500 4250 4000 3750 3500 3250 3000 2750 2500 2250 2000 1750 1500 1250 1000

(SCALE IN FEET)

FOR PLANNING PURPOSES ONLY

ADDITIONAL EXISTING C.I.P.

- GROUNDWATER FEASIBILITY STUDY
- RAW WATER LINE & WTP EXPANSION PER
- S.H. 71 WATER SYSTEM MODELING
- U.S. 290 WATER SYSTEM MODELING

ADDITIONAL PROPOSED C.I.P.

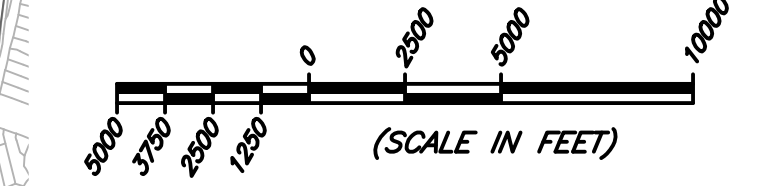
- IMPACT FEE STUDY
- S.H. 71 WATER SYSTEM MODELING & ANALYSIS

MEC
 Murfee Engineering Company

WEST TRAVIS COUNTY P.U.A.
 EXISTING WATER C.I.P. EXHIBIT 2021

1101 Capital of Texas Highway South, Building D, Suite 110, Austin, Texas 78746 (512) 327-9204
 Texas Registered Engineering Firm F-353
 FILELAYOUT: W:\WTP\UAFacilitiesImpact Fee Studies\2021 Impact Fee Study\2021\20210804\20210804.dwg

APPENDIX A-2:
Proposed Water CIP Exhibit

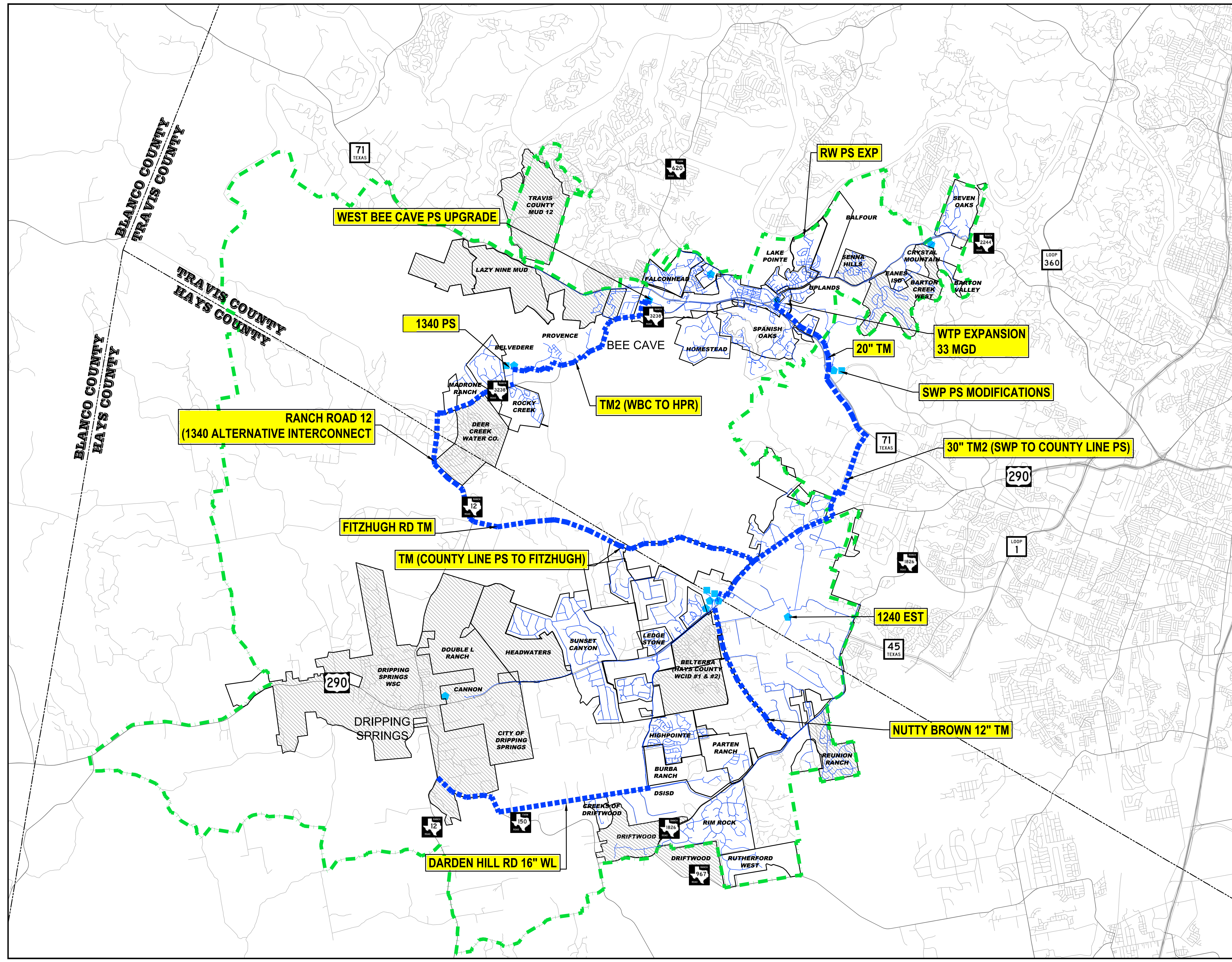


C.I.P. PROJECTS LEGEND

- PROPOSED
- WTCPUA WATER SYSTEM BOUNDARY
- EXISTING CIP FACILITIES
- REGIONAL BOUNDARIES
- EXISTING WHOLESALE CUSTOMERS

LEGEND

- WTCPUA WATER SYSTEM BOUNDARY
- EXISTING CIP FACILITIES
- REGIONAL BOUNDARIES
- EXISTING WHOLESALE CUSTOMERS



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Murfee Engineering Company

WEST TRAVIS COUNTY P.U.A.
PROPOSED WATER C.I.P. EXHIBIT 2021

1101 Capital of Texas Highway South, Building D, Suite 110, Austin, Texas 78746 (512) 327-9204
 Texas Registered Engineering Firm F-353
 DATE: 7/14/2021 DRAWN: ENG

APPENDIX B-1:
Existing Wastewater CIP

LIFT STATION CHART					
NUMBER	DESCRIPTION	SPECIFICATIONS	NUMBER	DESCRIPTION	SPECIFICATIONS
1	LAKE POINT LS #1 PH4A	150 GPM	16	FALCON HEAD LS #1	59 GPM
2	LAKE POINT LS #2 SEC 5	110 GPM	17	FALCON HEAD LS #2	575 GPM
3	LAKE POINT LS #3 SEC 7	68 GPM	18	CCNG CENTRAL LS LOS ROBLES	220 GPM
4	LAKE POINT LS #4 SEC 9	125 GPM	19	SPANISH OAKS LS #2	
5	LAKE POINT LS #5 SEC 3 PH2	140 GPM	20	SPANISH OAKS LS #4	
6	LAKE POINT LS #6 PH2	325 GPM	21	SUMMIT 56 L.S.	175 GPM
7	LAKE POINT PH4B LS #7	70 GPM	22	MASONWOOD L.S.	
8	LAKE POINT LS #8 HEB PLAZA	125 GPM	O-1	BEE CAVE ELEMENTARY SCHOOLS (WCID 17)	
9	LAKE POINT LS #9 PH1	800 GPM	O-2	FALCON HEAD WEST MAIN LS	500 GPM
10	LAKE POINT LS #10	78 GPM	O-3	FALCON HEAD WEST LS A	25 GPM
11	LAKE POINT LS #11 BEE CAVE PLAZA	65 GPM	O-4	FALCON HEAD WEST LS B	150 GPM
12	LAKE POINT LS #12 SEC 6	50 GPM	O-5	FALCON HEAD WEST LS C	50 GPM
14	CCNG REGIONAL LS	1770 GPM	O-6	FALCON HEAD WEST LS D	25 GPM
15	CCNG EAST LS		O-7	LTHS 1	

EXIST. SPILLMAN IRRIGATION PUMP STATIONS

R.M. 620 W.W.L.

W.W.T.P. EXPANSION
500,000 gpd

100 AC-FT EFFLUENT POND & LIFT STATION

BOHL'S W.W.T.P.
325,000 gpd

EFFLUENT DISPOSAL DEVELOPMENT

LAKEPOINT W.W.T.P.
675,000 gpd

77AC-FT EFFLUENT POND

SPILLMAN EFFLUENT IRRIGATION SYSTEM

EFFLUENT DISPOSAL DEVELOPMENT

BOHLS SERVICE AREA EXPANSION LIFT STATION & FM

BOHLS WWTP REGIONAL LIFT STATION & FORCE MAIN

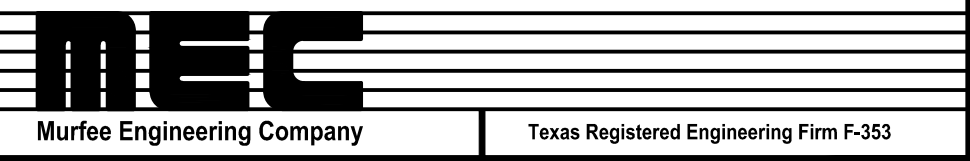
LITTLE BARTON CREEK INTERCEPTOR

CCNG LIFT STATION

- LEGEND:**
- EFFLUENT FORCE MAIN
 - WASTEWATER FORCE MAIN (L.S. & GRINDERS)
 - WASTEWATER GRAVITY LINE
 - PROPOSED GRAVITY COLLECTION LINE
 - PROPOSED FORCE MAIN
 - ▲ EXISTING P.U.A. LIFT STATION
 - ▲ PROPOSED P.U.A. LIFT STATION
 - ▼ EXISTING LIFT STATION OWNED/OPERATED BY OTHERS
 - EFFLUENT IRRIGATION AREAS
 - CITY OF BEE CAVE CITY LIMITS
 - CITY OF BEE CAVE E.T.J.
 - SEPTIC OR NO SERVICE NEEDED
 - CONSERVATION OR PARK
 - WATERSHED BOUNDARY
 - SERVICE AREA BOUNDARY

- LEGEND**
- EXISTING FACILITIES
 - PROPOSED FACILITIES

PRELIMINARY DRAWING FOR PLANNING PURPOSES ONLY



WEST TRAVIS COUNTY P.U.A.
EXISTING W.W. C.I.P. EXHIBIT 2021




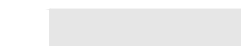









1101 Capital of Texas Highway South, Building D, Suite 110, Austin, Texas 78746, (512) 327-9204			
JOB NO. 11-021.10	SCALE: AS NOTED	SHEET: 1 OF 1	
DESIGNED BY: GWM	DATE: 6/21/2021		
DRAWN BY: RWH/RC	DATE: 6/21/2021		

APPENDIX B-2:
Proposed Wastewater CIP

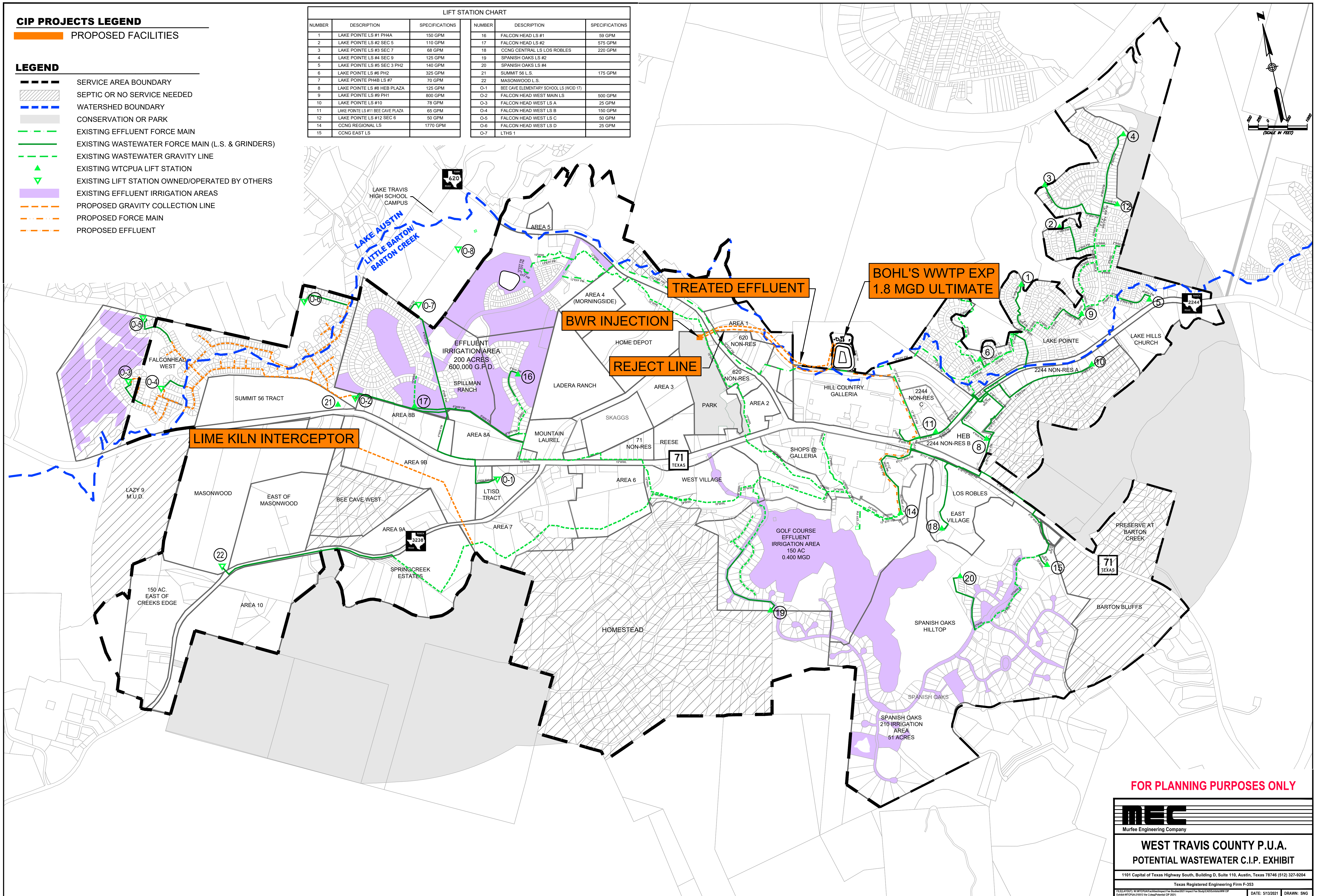
CIP PROJECTS LEGEND

PROPOSED FACILITIES

LEGEND

-  SERVICE AREA BOUNDARY
-  SEPTIC OR NO SERVICE NEEDED
-  WATERSHED BOUNDARY
-  CONSERVATION OR PARK
-  EXISTING EFFLUENT FORCE MAIN
-  EXISTING WASTEWATER FORCE MAIN (L.S. & GRINDERS)
-  EXISTING WASTEWATER GRAVITY LINE
-  EXISTING WTCPUA LIFT STATION
-  EXISTING LIFT STATION OWNED/OPERATED BY OTHERS
-  EXISTING EFFLUENT IRRIGATION AREAS
-  PROPOSED GRAVITY COLLECTION LINE
-  PROPOSED FORCE MAIN
-  PROPOSED EFFLUENT

LIFT STATION CHART					
NUMBER	DESCRIPTION	SPECIFICATIONS	NUMBER	DESCRIPTION	SPECIFICATIONS
1	LAKE POINTE LS #1 PH4A	150 GPM	16	FALCON HEAD LS #1	59 GPM
2	LAKE POINTE LS #2 SEC 5	110 GPM	17	FALCON HEAD LS #2	575 GPM
3	LAKE POINTE LS #3 SEC 7	88 GPM	18	CCNG CENTRAL LS LOS ROBLES	220 GPM
4	LAKE POINTE LS #4 SEC 9	125 GPM	19	SPANISH OAKS LS #2	
5	LAKE POINTE LS #5 SEC 3 PH2	140 GPM	20	SPANISH OAKS LS #4	
6	LAKE POINTE LS #6 PH2	325 GPM	21	SUMMIT 56 L.S.	175 GPM
7	LAKE POINTE PH4B LS #7	70 GPM	22	MASONWOOD L.S.	
8	LAKE POINTE LS #8 HEB PLAZA	125 GPM	O-1	BEE CAVE ELEMENTARY SCHOOLS (WCD 17)	
9	LAKE POINTE LS #9 PH1	800 GPM	O-2	FALCON HEAD WEST MAIN LS	500 GPM
10	LAKE POINTE LS #10	78 GPM	O-3	FALCON HEAD WEST LS A	25 GPM
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12	LAKE POINTE LS #12 SEC 6	50 GPM	O-5	FALCON HEAD WEST LS C	50 GPM
14	CCNG REGIONAL LS	1770 GPM	O-6	FALCON HEAD WEST LS D	25 GPM
15	CCNG EAST LS		O-7	LTHS 1	



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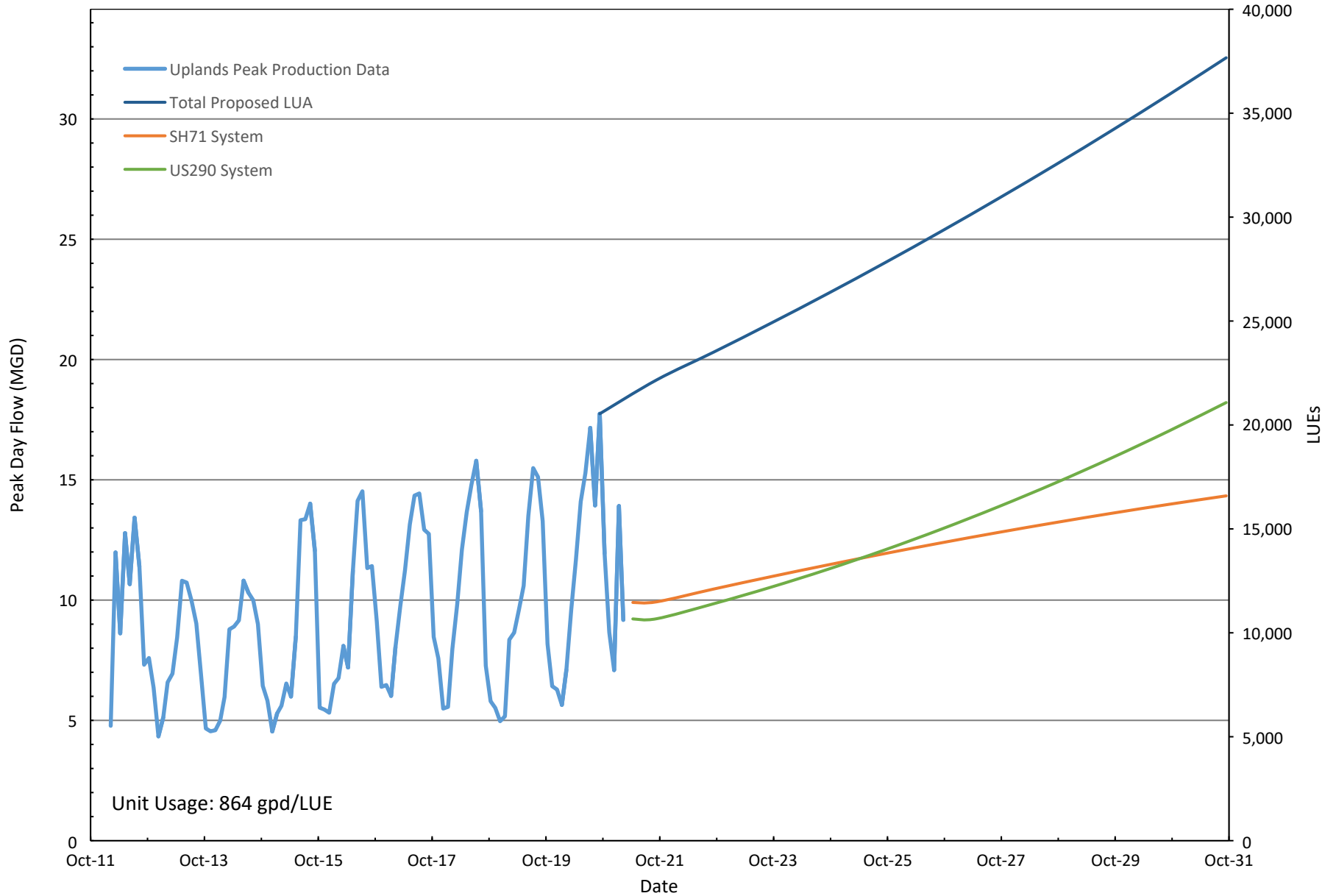
WEST TRAVIS COUNTY P.U.A.
POTENTIAL WASTEWATER C.I.P. EXHIBIT

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Texas Registered Engineering Firm F-353

DATE: 5/13/2021 DRAWN: SNG

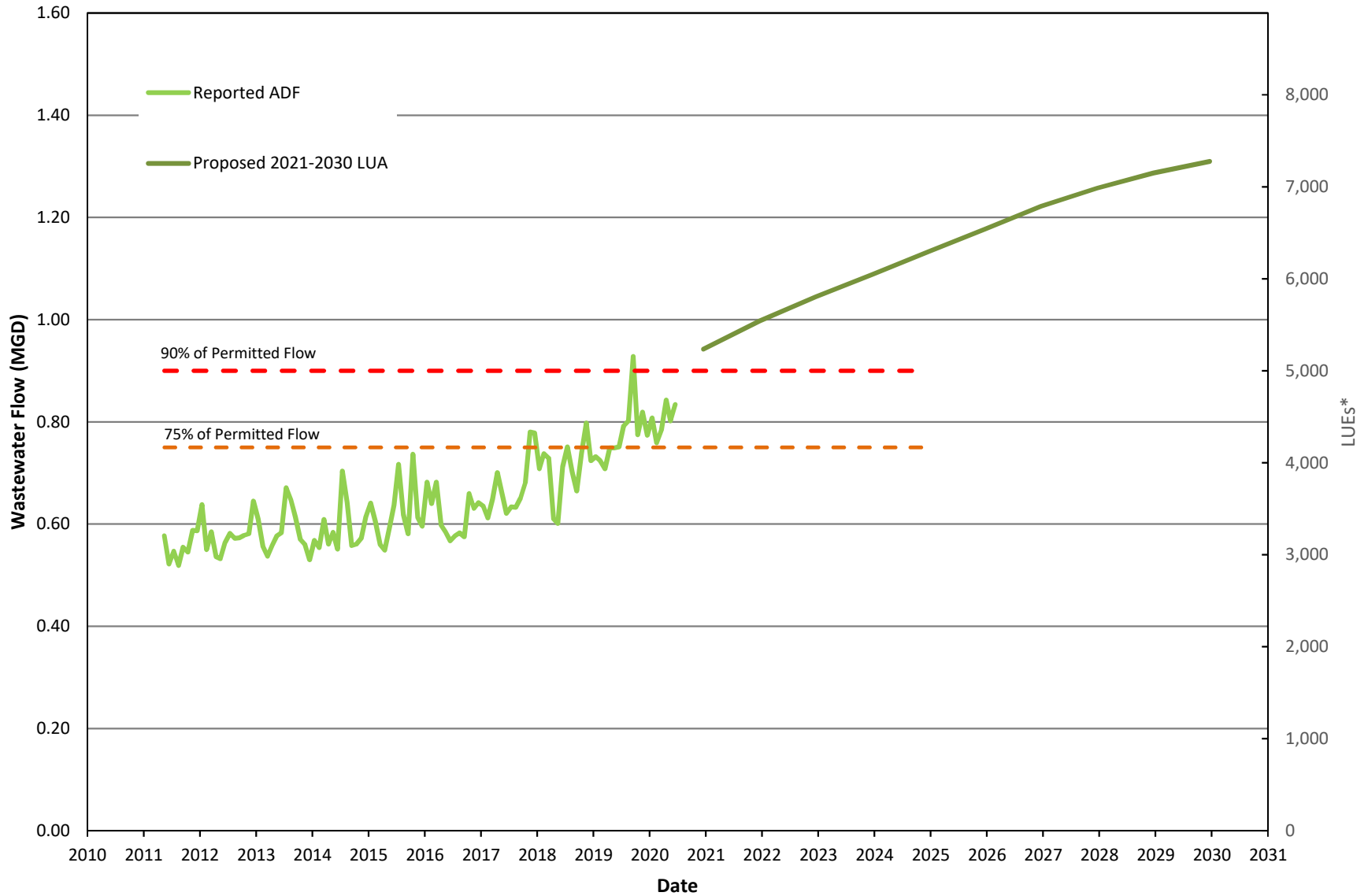
APPENDIX C:
Water LUEs Summary Figures

WTCPUA - Water LUA Summary 2021



APPENDIX D:
Wastewater LUA Summary Figure

WTCPUA - Wastewater LUA Summary 2021



*Note: LUE= 180 gpd/LUE

APPENDIX E:

CIP Tables

E-1 Total Capital Allocated to Growth

E-2 Growth Allocation Existing Projects - Water

E-3 Growth Allocation Proposed Projects Approved in 2018 CIP - Water

E-4 Growth Allocation Proposed 2021 CIP Projects - Water

E-5 Growth Allocation Existing Projects-Wastewater

E-6 Growth Allocation Proposed Projects Approved in 2018 CIP - Wastewater

E-7 Growth Allocation Proposed 2021 CIP Projects - Wastewater

E-1 Total Capital Allocated to Growth

Table E-1 Total Capital Allocated to Growth

WATER

Proposed 2021 CIP Projects

System	LUEs	Total Capital Allocated to Growth			Total	Unit Cost	Combined*
		Existing	2018 CIP	2021 CIP			
System-Wide	16,351	\$ 12,320,104	\$ 9,890,000	\$ 13,422,350	\$ 35,632,455	\$ 2,179.22	
US290	10,410	\$ 6,594,408	\$ 10,403,933	\$ 29,087,916	\$ 46,086,257	\$ 4,426.95	\$ 6,606.16
SH71	5,941	\$ 4,632,533	\$ 3,991,000	\$ 403,069	\$ 9,026,602	\$ 1,519.46	\$ 3,698.68

* - unadjusted maximum allowable

WASTEWATER

2021 Impact Fee Study

System	LUEs	Total Capital Allocated to Growth			Total	Unit Cost
		Existing	2018 CIP	2021 CIP		
System-Wide	2,403	\$ 8,186,790	\$ 8,467,500	\$ 2,182,800.00	\$ 18,837,090	\$ 7,838.99

* - unadjusted maximum allowable

E-2 Growth Allocation Existing Projects - Water

Table E-2 Growth Allocation Existing Projects - Water

WTCPUA Capital Improvements Program - Water									
Existing CIP Projects									
Project	Project Cost	Capacity (MGD or LUEs)	Current Capacity Used (MGD or LUEs)	Capacity Used 2021-2031 (MGD or LUEs)	Allocation for Current Capacity	Allocation for 2021-2031	Cost Allocation - Current	Cost Allocation - Growth	
System-wide									
Uplands WTP Chem Building*	\$ 2,141,458	20	17.9	2.1	90%	11%	\$ 1,916,605	\$ 224,853	
Uplands WTP*	\$ 40,549,183	20	17.9	2.1	90%	11%	\$ 36,291,519	\$ 4,257,664	
Uplands Raw Water Intake Expansion*	\$ 416,305	20	17.9	2.1	90%	11%	\$ 372,593	\$ 43,712	
High Service Pump Station 8MGD-14MGD*	\$ 4,034,066	20	17.9	2.1	90%	11%	\$ 3,610,489	\$ 423,577	
Uplands Clearwell No. 2*	\$ 997,229	20	17.9	2.1	90%	11%	\$ 892,519.96	\$ 104,709	
Groundwater Feasibility Study	\$ 40,000	N/A	N/A	N/A	84%	16%	\$ 33,600	\$ 6,400	
Raw Water Line & (Uplands) WTP Expansion PER	\$ 173,726	N/A	N/A	N/A	28%	72%	\$ 48,643.28	\$ 125,083	
Raw Water Pump Station Expansion (Phase I) (3MGD)	\$ 1,592,603	3	0.4	2.6	13%	87%	\$ 212,347.07	\$ 1,380,256	
Raw Water Transmission Main No. 2	\$ 6,287,320	16.5	1.4	16	8%	92%	\$ 533,469.58	\$ 5,753,850	
Subtotal	\$ 56,231,890						\$ 43,911,786	\$ 12,320,104	
SH71 System									
Lazy 9 SW 71 (20") Transmission Main*	\$ 3,090,461	20	17.9	2.1	90%	11%	\$ 2,765,963	\$ 324,498	
71 System Modeling	\$ 49,578	N/A	N/A	N/A	84%	16%	\$ 41,645.52	\$ 7,932	
SH71 EST (1.0 Mgal)	\$ 2,169,142	3000	1350	1650	45%	55%	\$ 976,114	\$ 1,193,028	
Misc. Improvements for 1280 Pressure Plane	\$ 177,037	3000	1350	1650	45%	55%	\$ 79,667	\$ 97,370	
West Bee Cave PS Upgrade (Phase I) (Add pump 4)	\$ 157,711	750	650	100	87%	13%	\$ 136,683	\$ 21,028	
West Bee Cave PS Upgrade (Phase II) (GST No2) ¹	\$ 1,411,886	5000	50	4950	1%	99%	\$ 14,119	\$ 1,397,767	
Transmission Main from Uplands Plant to Bee Cave Pump Station (1080-16)*	\$ 1,556,779	20	17.9	2.1	90%	11%	\$ 1,393,317	\$ 163,462	
Crystal Mountain EST*	\$ 1,917,518	20	17.9	2.1	90%	11%	\$ 1,716,179	\$ 201,339	
Senna Hills Bypass Line*	\$ 559,677	20	17.9	2.1	90%	11%	\$ 500,911	\$ 58,766	
HPR 1280 Pump Station Water	\$ 330,552	20	17.9	2.1	90%	11%	\$ 295,844	\$ 34,708	
HPR Water Line*	\$ 6,624,510	20	17.9	2.1	90%	11%	\$ 5,928,936	\$ 695,574	
Home Depot Pump Station*	\$ 392,792	20	17.9	2.1	90%	11%	\$ 351,549	\$ 41,243	
Home Depot Ground Storage Tank*	\$ 147,043	20	17.9	2.1	90%	11%	\$ 131,603	\$ 15,440	
Bee Cave Ground Storage Tank, Pump Station & Piping (off Cuernevaca)*	\$ 699,851	20	17.9	2.1	90%	11%	\$ 626,367	\$ 73,484	
Bee Cave Waterline to Cuernevaca*	\$ 990,492	20	17.9	2.1	90%	11%	\$ 886,490	\$ 104,002	
HPR Conversion and Upgrade to 1,500 gpm	\$ 214,321	375	20	355	5%	95%	\$ 11,430	\$ 202,891	
Subtotal	\$ 20,489,350						\$ 15,856,817	\$ 4,632,533	
US290 System									
County Line Pump Station Upgrade*	\$ 1,684,429	20	17.9	2.1	90%	11%	\$ 1,507,564	\$ 176,865	
290 Pipeline*									
24" SWPPS to County Line	\$ 12,841,593	20	17.9	2.1	90%	11%	\$ 11,493,226	\$ 1,348,367	
20" County Line to 1420 EST	\$ 3,411,212	20	17.9	2.1	90%	11%	\$ 3,053,035	\$ 358,177	
SH71 20" Transmission Main*	\$ 3,630,945	20	17.9	2.1	90%	11%	\$ 3,249,696	\$ 381,249	
20" Main Uplands to SWPPS Easements*	\$ 506,714	20	17.9	2.1	90%	11%	\$ 453,509	\$ 53,205	
1420 EST*	\$ 2,197,353	20	17.9	2.1	90%	11%	\$ 1,966,631	\$ 230,722	
Sawyer Ranch Road Ph 1 20"*	\$ 1,183,948	20	17.9	2.1	90%	11%	\$ 1,059,633	\$ 124,315	
Sawyer Ranch Road Ph 1 (Darden Hill)*	\$ 1,293,619	20	17.9	2.1	90%	11%	\$ 1,157,789	\$ 135,830	
SWPPS Upgrade to 5,900 gpm & GST1*	\$ 243,213	20	17.9	2.1	90%	11%	\$ 217,676	\$ 25,537	
SWPPS Upgrade Phase 1 GST	\$ 1,960,902	20	17.9	2.1	90%	11%	\$ 1,755,007	\$ 205,895	
1826 Phase IV 16" Water Line*	\$ 1,055,040	20	17.9	2.1	90%	11%	\$ 944,261	\$ 110,779	
US290 System Modeling	\$ 79,955	N/A	N/A	N/A	84%	16%	\$ 67,162	\$ 12,793	
1340 EST	\$ 2,399,334	3000	1000	2000	33%	67%	\$ 799,778	\$ 1,599,556	
1340 Transmission	\$ 2,746,676	3000	1000	2000	33%	67%	\$ 915,559	\$ 1,831,117	
Subtotal	\$ 35,234,933						\$ 28,640,525	\$ 6,594,408	
TOTALS	\$ 111,956,173						\$ 88,409,128	\$ 23,547,045	

*Denotes Projects Constructed by the LCRA, Purchased by WTCPUA

1. WBPS PH II & PH III projects separated. Phase II completed in 2020, consisting of a 0.5MG tank at 1LUE/100 gallons of capacity. Phase III Currently Under construction.

E-3 Growth Allocation Proposed Projects Approved in 2018 CIP - Water

Table E-3 Growth Allocation Proposed Projects Approved in 2018 CIP - Water

WTCPUA Capital Improvements Program - Water						
Proposed 2018 CIP Projects						
Project	Planning Horizon Project Costs	Year Scheduled	Capacity (increase)	Capacity Allocation - Growth	Cost Allocation - Growth	
System-wide						
2018 CIP Projects						
System Hydraulic Modelling	\$ 125,000	2022	n/a	100%	\$	125,000
Raw Water Pump Station Expansion (Phase II)	\$ 2,700,000	2029	7 MGD	15%	\$	405,000
Uplands WTP Expansion	\$ 17,000,000	2024	5 ⁷	50%	\$	8,500,000
Additional Water Supply Development	\$ 1,000,000	2026	n/a ⁸	86%	\$	860,000
Subtotal	\$ 20,825,000				\$	9,890,000
SH71 System						
2018 CIP Projects						
West Bee Cave PS Upgrade (Phases III) ¹	\$ 222,000	2022	2,500 LUEs	1100 LUEs	\$	98,000
Home Depot Pump Station Expansion & Conversion ²		2021			\$	-
1080 Bee Cave Transmission Main ³	\$ 5,900,000	2022	5229 LUEs	3450 LUEs	\$	3,893,000.00
Subtotal	\$ 6,122,000				\$	3,991,000
US290 System						
2018 CIP Projects						
1240 Conversion Water Line	\$ 1,400,000	2023	2700	2250	\$	1,167,000
RM1826 Phase V 16" ⁴		2033			\$	-
Heritage Oaks Loop Line ⁴		2033			\$	-
1420 Pump Station Upgrade ⁵	\$ 670,000	2022	1500	1100	\$	491,333
1340 TM (Sawyer Ranch Road Ext)	\$ 1,200,000	2022	4500	1500	\$	400,000
1340 Pump Station	\$ 1,920,000	2021	2250	2000	\$	1,689,600
SWPPS Upgrade GST2 Phase 2 ⁶	\$ 1,760,000	2022	9500	5750	\$	1,056,000
Circle Drive Pump Station	\$ 5,600,000	2024	3000	3000	\$	5,600,000
Subtotal	\$ 12,550,000				\$	10,403,933
TOTALS	\$ 39,497,000				\$	24,284,933

1. 500,000 GST & 4500 GPM Ultimate Capacity Pump Station Upgrade, under construction 2021
2. Existing Pump Modifications completed by Operations Staff, CIP Project Placed on indefinite hold; capacity increase replaced by 1080 TM & WBCPS Upgrade
3. Additional Cost from 2018 IFA, due to constraints in alignment, construction cost increase.
4. Projects unnecessary in 10-year projected LUA growth phase; proposed capacity to be replaced by Nutty Brown and Fitzhugh TMs
5. Two 900 GPM Pumps Under Construction June 2021
6. GST 2: Second of two 950,000 Gal GST tanks Under Construction, one 750,000 GST Tank Demolished, Increase 1.15 MG (2018 IFA Project Capacity Increase 0.75MG)
7. PER currently underway to increase capacity in the next expansion, considering technology alternatives for site constraints
8. Long term future capacity needs for surface water or groundwater supplies beyond the raw water intake and pipeline facilities ultimate capacity.

E-4 Growth Allocation Proposed 2021 CIP Projects - Water

Table E-4 Growth Allocation Proposed 2021 CIP Projects - Water

WTCPUA Capital Improvements Program - Water						
Proposed 2021 CIP Projects						
Project	Planning Horizon Project Costs	Year Scheduled	Capacity (increase)	Capacity Allocation - Growth	Cost Allocation - Growth	
System-wide						
2021 CIP Projects						
Impact Fee Update	\$ 92,500	2026	n/a	100%	\$ 92,500	
Uplands WTP Expansion to 33MGD (8 MGD ¹)	\$ 10,000,000	2026	8 MGD	93%	\$ 9,300,000	
TM No. 2 (Upsize)	\$ 1,396,000	2027	3100 LUEs	2100 LUEs	\$ 945,677	
Ranch Road 12 16" TM (HPR to Fitzhugh)	\$ 5,621,000	2027	5200 LUEs	2100 LUEs	\$ 2,270,019	
1340 PS (HPR)	\$ 2,016,000	2027	5200 LUEs	2100 LUEs	\$ 814,154	
	subtotal				\$ 19,125,500	
SH71 System						
2021 CIP Projects						
West Bee Cave PS Upgrade (Electrical & Pumping)	\$ 336,000	2025	4200LUEs	700 LUEs	\$ 56,000	
TM No. 2 (West Bee Cave to HPR)	\$ 825,792	2027	3100 LUEs	700 LUEs	\$ 111,000	
HPR GST2	\$ 1,686,209	2022	5000 LUEs	700 LUEs	\$ 236,069	
	subtotal				\$ 2,848,001	
US290 System						
2021 CIP Projects						
Nutty Brown 12" TM	\$ 3,158,000	2026	2900 LUEs	1000 LUEs	\$ 1,088,966	
30" Parallel TM 2 (SWPPS to County Line)	\$ 19,354,000	2025	12000 LUEs	8810 LUEs	\$ 14,209,062	
SWP PS Modifications	\$ 1,500,000	2025	12000 LUEs	8810 LUEs	\$ 1,101,250	
1240 EST	\$ 2,095,000	2027	2250 LUEs	2250LUEs	\$ 2,095,000	
Hwy 71 Parallel 20" TM (Uplands to SWPWPS)	\$ 4,150,000	2030	8150 LUEs	5700 LUEs	\$ 2,902,000	
Darden Hill RD 16" WL	\$ 5,956,400	2028	5200 LUEs	1800 LUEs	\$ 2,061,831	
Fitzhugh Road 16" TM (CLPS to Crumley)	\$ 6,498,000	2029	5200 LUEs	3800 LUEs	\$ 4,748,538	
Fitzhugh Road 16" TM (Crumley to RR12)	\$ 2,083,000	2030	5200 LUEs	2200 LUEs	\$ 881,269	
	subtotal				\$ 44,794,400	
	TOTALS				\$ 66,767,901	
					\$ 42,913,335	

1.) Building, site improvements, electrical, & controls incorporated into 2024 expansion, reduced capital cost estimated

E-5 Growth Allocation Existing Projects-Wastewater

Table E-5 Growth Allocation Existing Projects - Wastewater

WTCPUA Capital Improvements Program - Wastewater									
Existing CIP Projects									
Project	Project Cost	Capacity (MGD)	Current Capacity Used (MGD)	Capacity Used 2021-2031 (MGD)	Allocation for Current Capacity	Allocation for 2021-2031	Cost Allocation - Current	Cost Allocation - Growth	
Lake Pointe WWTP*	\$ 15,317,630	0.675	0.590	0.085	87%	13%	\$ 13,388,743	\$ 1,928,887	
Bee Cave Regional System*	\$ 8,499,620	1.0	0.800	0.200	80%	20%	\$ 6,799,696	\$ 1,699,924	
Spillman Effluent Irrigation System*	\$ 530,458	1.0	0.800	0.200	80%	20%	\$ 424,366	\$ 106,092	
CCNG Lift Station*	\$ 141,970	1.0	0.800	0.200	80%	20%	\$ 113,576	\$ 28,394	
RM 620 WW Line*	\$ 1,262,030	1.0	0.800	0.200	80%	20%	\$ 1,009,624	\$ 252,406	
SH71 WW Line*	\$ 998,809	1.0	0.800	0.200	80%	20%	\$ 799,047	\$ 199,762	
Bohls Effluent Pond and Lift Station	\$ 3,816,591	0.325	0.290	0.035	89%	11%	\$ 3,405,574	\$ 411,017	
Bohls WWTP	\$ 5,570,796	0.325	0.290	0.035	89%	11%	\$ 4,970,864	\$ 599,932	
Bohls WWTP Regional Lift Station/FM	\$ 2,101,571	0.325	0.290	0.035	89%	11%	\$ 1,875,248	\$ 226,323	
Little Barton Creek Interceptor*	\$ 2,851,077	0.267	0.038	0.229	14%	86%	\$ 403,021	\$ 2,448,056	
Master Planning & Permitting	\$ 310,867	N/A	N/A	N/A	8%	92%	\$ 24,869	\$ 285,998	
TOTALS	\$ 41,401,419						\$ 33,214,629	\$ 8,186,790	

*Denotes Projects Constructed by the LCRA, Purchased by WTCPUA

E-6 Growth Allocation Proposed Projects Approved in 2018 CIP - Wastewater

Table E-6 Growth Allocation Proposed Projects Approved in 2018 CIP - Wastewater

WTCPUA Capital Improvements Program - Wastewater						
Proposed 2018 CIP Projects						
Project	Planning Horizon Project Costs	Year Scheduled	Capacity (increase)	Capacity Allocation - Growth	Cost Allocation - Growth	
2018 CIP Projects						
Future WWTP Expansion. ¹	\$ 6,325,000	2022	0.5 MGD	50%	\$ 3,162,500	
Effluent Disposal Development ¹	\$ 5,900,000	2028	0.375 MGD	80%	\$ 4,720,000	
Bohls Service Area Expansion Lift Station & Force Main	\$ 780,000	2024	500 LUEs	75%	\$ 585,000	
TOTALS	\$ 13,005,000				\$ 8,467,500	

1. Increase in cost due to facility location space constraints, and BWR Phase 1 site relocation. Complete list of CIP Project expansions at Bohl's site, and potential Lake Pointe plant decommissioning, not listed due to no foreseeable allocation to growth.

E-7 Growth Allocation Proposed 2021 CIP Projects - Wastewater

Table E-7 Growth Allocation Proposed 2021 CIP Projects - Wastewater

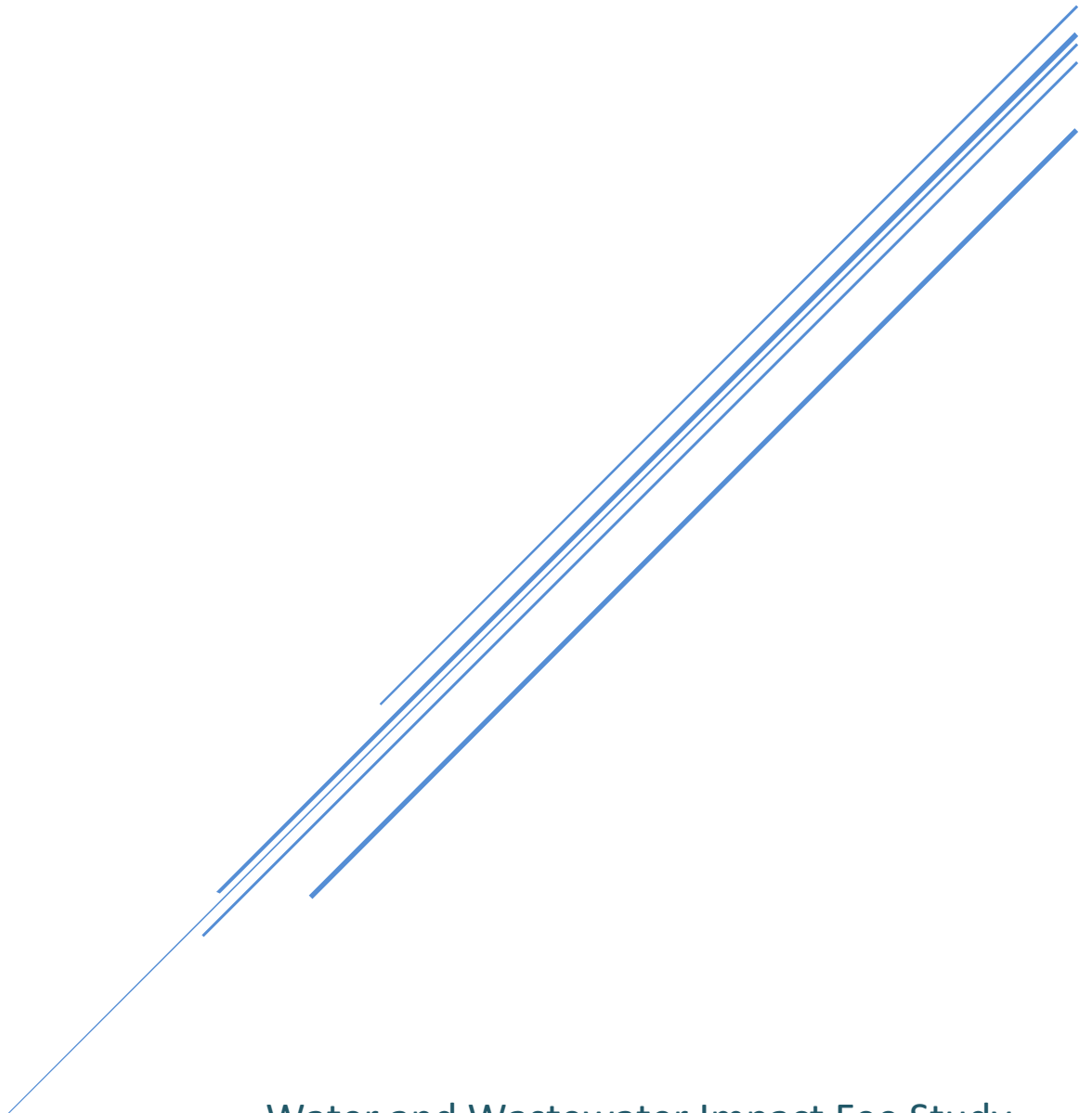
WTCPUA Capital Improvements Program - Wastewater					
Proposed 2021 CIP Projects					
Project	Planning Horizon Project Costs	Year Scheduled	Capacity (increase)	Capacity Allocation - Growth	Cost Allocation - Growth
2021 CIP Projects					
Impact Fee Study	\$ 27,500	2026	n/a	100%	\$ 27,500
BWR & Effluent Disposal Injection Well	\$ 517,500	2022	0.375 MGD	80%	\$ 414,000
BWR Phase 1 Supply/Reject FMs	\$ 1,460,500	2022	0.5 MGD	60%	\$ 876,300
Lime Kiln Interceptor	\$ 1,730,000	2026	1800 LUEs	50%	\$ 865,000
TOTALS	\$ 3,735,500				\$ 2,182,800

EXHIBIT B

Report

TECHNICAL REPORT

West Travis County PUA



Water and Wastewater Impact Fee Study
July 2021

Nelisa Heddin Consulting
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Executive Summary

The West Travis County Public Utility Agency (PUA) has retained Murfee Engineering Company, Inc. (MEC) and Nelisa Heddin Consulting (NH Consulting) to perform an update to the PUA’s impact fee study. This report details the results of that analysis.

The PUA has updated its impact fees in 2012, 2014 and 2018. In each of the previous updates, the PUA has operated under the assumption of “capping” growth at which point that the PUA reaches peak-day operations of the water treatment plant of 27 million gallons per day (MGD). Since that time, the local area has experienced significant growth demands, particularly in the US 290 System. Given the pressures of this growth, the PUA is contemplating expanding its service area and thereby providing water utility services which are anticipated to exceed 27 MGD. This updated analysis contemplates said service area expansion and thus increases the PUA’s projected future capital improvements plan (CIP) by approximately \$80M for the water utility and \$4M for the wastewater utility (Tables 1 and 2)

Table 1: Summary of Water CIP Projects

Water CIP Projects	System Wide	SH 71	US 290	Total
Existing Improvements	\$ 57,352,254	\$ 20,898,145	\$ 35,938,033	\$ 114,188,432
Previously Approved Future CIP	23,632,001	6,400,245	13,462,383	43,494,629
Newly Identified CIP	<u>22,821,527</u>	<u>3,147,520</u>	<u>54,123,486</u>	<u>80,092,534</u>
Total Improvements	\$ 103,805,782	\$ 30,445,910	\$ 103,523,901	\$ 237,775,594

Table 2: Summary of Wastewater CIP Projects

Wastewater CIP Projects	
Existing Improvements	\$ 41,931,467
Previously Approved Future CIP	14,842,683
Newly Identified CIP	<u>4,222,015</u>
Total Improvements	\$ 60,996,165

NH Consulting has provided the PUA with two alternative impact fee calculations.

- Scenario 1 – assumes the issuance of approximately \$21M in debt to fund future water projects and approximately \$6M to fund future wastewater projects. As such, 10-years of future interest expense on the new debt has been included in the impact fee calculation.



- Scenario 2 – assumes the PUA will use cash-available from other sources to fund future projects, thereby not including any future interest expense for future projects in the impact fee calculation.

Table 3 provides the maximum allowable impact fee, including ad valorem tax credit for each scenario. Table 4 Provides a summary of the fees if assessed at 90%.

Table 3: Summary of Maximum Allowable Impact Fees (Including Ad Valorem Tax Credit)

	Scenario 1 (Includes Future Debt)	Scenario 2 (Excludes Future Debt)
Hwy 71 Water Impact Fee	\$ 5,249.44	\$ 4,780.28
US 290 Water Impact Fee	\$ 8,605.11	\$ 8,135.94
Wastewater Impact Fee	\$ 12,177.11	\$ 11,218.89

Table 4: 90% of Maximum Allowable Impact Fees

	Scenario 1 (Includes Future Debt)	Scenario 2 (Excludes Future Debt)
Hwy 71 Water Impact Fee	\$ 4,724.50	\$ 4,302.25
US 290 Water Impact Fee	\$ 7,744.59	\$ 7,322.35
Wastewater Impact Fee	\$ 10,959.40	\$ 10,097.00



Background

West Travis County Public Utility Agency

The PUA provides water and wastewater services to an estimated population of 60,000 people located in Travis and Hays counties. The PUA acquired the systems from the Lower Colorado River Authority (LCRA) in March 2012. Since that time, the PUA has continued to provide continuous and adequate service to the affected population.

The PUA was created in partnership through concurrent ordinances of the City of Bee Cave, Travis County Municipal Utility District #5 (now Lake Pointe Municipal Utility District), and Hays County as a vehicle to finance, own, and operate the West Travis County water and wastewater utility systems as a publicly owned utility. The PUA Board is currently comprised of five members, each appointed by each of the three sponsoring entities.

Installment Purchase Agreement

In order to purchase the systems by a public entity rather than a divestiture to a private for-profit utility, the PUA was required to retire the debt which LCRA had outstanding against the systems. In March 2012, the principal balance of that debt exceeded \$140M, plus interest accrual. However, many of LCRA's bonds were not "callable." As such, immediately retiring the bonds would require the payment of defeasance costs, which would have added significant costs to ratepayers.

In order to avoid payment of additional defeasance costs, the PUA entered into an installment purchase agreement with the LCRA, which outlined specific timing for installment payments through 2019. These installment payments coincided with "call dates" associated with LCRA's bonds. Installment payments consisted of the principal balance on the callable bonds, plus capitalized interest accrued. The PUA made its first installment payment to the LCRA in July 2012. Since that time, the PUA funded subsequent installment payments through the issuance of bonds. The PUA made its final \$15M installment payment to the LCRA in the Spring of 2019. Installment payments to the LCRA included both the principal balance on the bonds as well as accrued interest.

System Debt

Since its inception in 2012, the PUA has issued several series of revenue bonds. These issuances not only funded payments to the LCRA but also funded construction of existing and future capital improvement projects necessary to support regional growth.

In order to be rated for bonds, the PUA presented a financial pro forma which illustrated the PUA's ability to support its bonded indebtedness through rates and fees. In 2012, the PUA received an "A-" bond rating by Standard & Poors. In December, 2017 the PUA had its rating upgraded by Standard & Poors to "A positive" and "A1" by Moody's Investor Service. This improved rating is due to increased cash reserves and improved operational and financial management of the utility, including significant cost reductions and revenue enhancements.



System Revenues and Expenses

The PUA is a non-taxing entity. Accordingly, the PUA's only available avenues for revenue recovery are through rates and fees charged to current and future customers of the system. To the extent the PUA does not recover the costs of providing future service to customers through impact fees, those costs must be recovered through rates. The PUA is allowed to set impact fees at an amount at or below the maximum allowable fee as determined by the impact fee calculation. So long as the PUA does not go above the maximum allowable fee, the PUA may use policy initiatives to determine the appropriate level of the impact fee. This balance must be considered when setting an appropriate impact fee, realizing that any portion of the costs not recovered by impact fees will need to be recovered through monthly rates charged to customers.

Impact Fee Fund

Impact fees are only collected from new growth in the system. Existing customers are not subject to pay impact fees¹. The PUA maintains impact fees collected in a separate fund. The PUA spends impact fee monies only for authorized purposes in compliance with Chapter 395 of the Texas Local Government Code. The PUA has created a plan for spending those funds in accordance with Chapter 395.

¹ Currently existing customers are not subject to impact fees with the exception of a currently existing customer who increases their level of service.



Purpose of Report

One of the most effective growth management tools available to public utilities is the use of new customer impact fees, which facilitates growth paying for itself vs. existing customers paying for this cost burden in rates. The PUA has adopted a ten-year Land Use Assumptions and Capital Improvements Plan (CIP) to service growth in the system, and the cost of the 10-year CIP is the basis for calculating impact fees. Impact fees are calculated by taking the total cost of the CIP divided by the projected growth in living unit equivalents (LUEs) in the system for water and wastewater. The last step in the process to adopt an impact fee is the determination of the maximum allowable impact fees per the guidelines set forth in Chapter 395 of the Texas Local Government Code.

Chapter 395 of the Texas Local Government Code provides specific requirements that cities, water districts and other political subdivisions in Texas must abide by while determining, assessing, and collecting Impact Fees. The process outlined for implementing or amending fees includes:

1. Development of Land Use Assumptions (LUA);
2. Development of Capital Improvement Plan (CIP) based on LUA;
3. Development of maximum impact fees;
4. Public hearing on LUA, CIP and impact fees;
5. Adoption of or amendment to LUA, CIP and impact fees;

NH Consulting has been retained by the PUA to determine the maximum allowable impact fee per requirements set forth in Chapter 395 of the Texas Local Government Code, based upon the Land Use Assumptions and Capital Improvements Plan adopted by the PUA Board of Directors.

This report is intended to outline the methodology utilized by NH Consulting in determining the maximum allowable impact fee that can be charged by the PUA.



Methodology and Findings

In developing amendments to impact fees charged to the PUA’s customers, it was first necessary to develop a future assumption of system growth. Next, capital improvements which are necessary to meet the needs of that growth are identified. Finally, a maximum allowable impact fee may be determined. Making this determination involves a systematic progression of steps, which are outlined below.

Step 1: Land Use Assumptions

The PUA relied upon MEC to develop Land Use Assumptions, which have been summarized below. The values shown in Tables 5 and 6 are projected new living unit equivalents (LUEs) for each year in the study.

Table 5: Future Land Use Assumptions – Water (New LUEs per Year)

	US 290	SH71	Total
Oct-22	720	655	1,375
Oct-23	791	640	1,431
Oct-24	863	626	1,489
Oct-25	933	613	1,546
Oct-26	1,004	598	1,602
Oct-27	1,076	583	1,659
Oct-28	1,147	570	1,717
Oct-29	1,218	555	1,773
Oct-30	1,289	541	1,830
Oct-31	1,360	527	1,887

Table 6: Future Land Use Assumptions – Wastewater (New LUEs per Year)



	Total
Oct-22	255
Oct-23	283
Oct-24	219
Oct-25	225
Oct-26	224
Oct-27	229
Oct-28	206
Oct-29	194
Oct-30	183
Oct-31	177

Step 2: Existing Improvements

Chapter 395 of the Texas Local Government Code regulates impact fees that utilities may charge. Chapter 395 requires that impact fees collected by a utility should be utilized to pay for capital improvements necessitated by growth. Capital improvements utilized in the calculation may include existing improvements that have excess capacity as well as future improvements that will meet growth needs. Such projects were isolated by MEC and are included in the impact fee calculation.

Step 3: Planned Improvements

Planned improvements are improvements projected to be necessary in the future, which are driven by growth. Maintenance repair or replacement projects not driven by future growth may not be included in the impact fee calculation. MEC identified future projects that would be necessary to meet the needs of future growth based on projected timing of that growth.

Step 4: Capacity Analysis

Once projects eligible for inclusion in the impact fee have been determined, the next step is to perform a capacity analysis for each of those improvements. State law stipulates that only costs associated with available capacity projected to meet future growth needs in the ten-year planning period can be included in the fee determination.

Step 5: Determination of Costs to be Included in Fee

State law allows the following costs to be included in the impact fee calculation:

- ❖ Construction contract price;
- ❖ Surveying and engineering fees;
- ❖ Land acquisition costs;
- ❖ Projected interest and finance costs;
- ❖ Fees paid to a qualified engineer or financial consultant, preparing or updating the capital improvements plan.



As MEC estimated construction and engineering costs for each project in the CIP, NH Consulting used those cost estimates and grossed them up for legal and permitting costs as well as bond issuance costs (for bond funded projects) in order to arrive at an estimate of CIP costs in 2018 dollars. Given that many of the projects included in the CIP will be constructed in future years, NH Consulting then grossed up CIP cost estimates in order to account for future inflationary impacts to project costs, as described below.

- ❖ Allowable project design and construction costs, as described above, which were then inflated at 3% annually until projected project construction;
- ❖ Legal and permitting costs estimated at 1.5% of design and construction costs;
- ❖ Bond issuance costs estimated at 2% of design, construction, legal and permitting costs²;
- ❖ Interest Expense (assumed a 30 year bond at 4% interest)³.

The total costs that may be included in the water impact fees are identified on Schedules 1, 2 and 3; the costs that may be included in the wastewater impact fees are identified on Schedules 4, 5 and 6.

Step 6: Determination of Maximum Allowable Fee

NH Consulting determined a maximum allowable impact fee, which collects all revenues to pay for allowable projects and related fees within the ten-year study period.

Step 7: Determination of Rate Revenue Credit

In addition to describing the costs that can be included in the maximum impact fee calculation, Chapter 395 of the Texas Local Government Code also specifically states that the fee shall:

“Provide a plan for awarding:

- (a) A credit for the portion of ad valorem tax and utility service revenues generated by new service units during the program period that is used for the payment of improvements, including the payment of debt that is included in the capital improvements plan; or
- (b) In the alternative, a credit equal to 50 percent of the total projected cost of implementing the capital improvements plan.”

Accordingly, the utility may elect to adopt a fee that is equal to 50% of the calculated amount or develop a plan for awarding a credit for utility service revenues that are generated to pay for debt associated with assets in the capital improvements plan.

NH Consulting has performed the requisite credit calculation that determines the credit needed for both the water and the wastewater utility. In so doing, NH Consulting has identified the annual debt service for PUA issued bonds, which are associated with regional assets to be funded through rates. NH Consulting then determined the estimated LUEs in the system based on the current LUE count and projected growth in the system. Finally, NH Consulting divided the total debt service paid for regional projects through rates by the

² Bond issuance costs were only included for existing projects.

³ Interest expense for existing projects included all accrued interest to-date, plus 10 years of future interest. Interest expense for future projects, if included, was for only 10 years of future interest.



total LUEs that would pay those rates over the 10-year study period to determine the total credit which should be applied against the maximum allowable impact fee.

Summary of Maximum Allowable Fees

Maximum Allowable Fees

Table 7 provides the maximum allowable impact fee, including ad valorem tax credit for each scenario. Table 8 Provides a summary of the fees if assessed at 90%.

Table 7: Summary of Maximum Allowable Impact Fees (Including Ad Valorem Tax Credit)

	Scenario 1 (Includes Future Debt)	Scenario 2 (Excludes Future Debt)
Hwy 71 Water Impact Fee	\$ 5,249.44	\$ 4,780.28
US 290 Water Impact Fee	\$ 8,605.11	\$ 8,135.94
Wastewater Impact Fee	\$ 12,177.11	\$ 11,218.89

Table 8: 90% of Maximum Allowable Impact Fees

	Scenario 1 (Includes Future Debt)	Scenario 2 (Excludes Future Debt)
Hwy 71 Water Impact Fee	\$ 4,724.50	\$ 4,302.25
US 290 Water Impact Fee	\$ 7,744.59	\$ 7,322.35
Wastewater Impact Fee	\$ 10,959.40	\$ 10,097.00

West Travis County Public Utility Agency
2021 Impact Fee Analysis - Water Utility

Schedule 1
Future CIP Projects, Before Interest Expense - Previously Approved Projects

Final Report

Project	Year Scheduled	Design/ Construction Costs (2021 Cost)	Legal/ Permitting Costs (1.5%)	Issuance Costs (2%)	Subtotal (2021 Cost)	Future Cost (1)	Capacity Increase	Capacity Used in 2021-2031	Units	Percent Allocation to 2021- 2031 Growth	Cost Allocated to 2021-2031 Growth
System Wide											
System Hydraulic Modeling	2022	125,000			125,000	128,750				100%	128,750
Uplands WTP Expansion	2024	17,000,000	255,000		17,255,000	18,855,004	5,000	2,500	MGD	50%	9,427,502
Additional Water Supply Development	2026	1,000,000	15,000		1,015,000	1,176,663				86%	1,011,930
Raw Water Pump Station Expansion (Phase II)	2029	2,700,000	40,500		2,740,500	3,471,583	7,000	1,050	MGD	15%	520,738
		\$ 20,825,000	\$ 310,500		\$ 21,135,500	\$ 23,632,001					\$ 11,088,920
US 290 System											
1340 Pump Station	2021	1,920,000	28,800		1,948,800	1,948,800	2250	2000	LUE	89%	1,732,267
SW Parkway Upgrade GST2 Phase 2	2022	1,760,000	26,400		1,786,400	1,839,992	9500	5750	LUE	61%	1,113,679
Circle Drive Pump Station	2024	5,600,000	84,000		5,684,000	6,211,060	3000	3000	LUE	100%	6,211,060
1340 TM (Sawyer Ranch Road Ext)	2022	1,200,000	18,000		1,218,000	1,254,540	4500	1500	LUE	33%	418,180
1240 Conversion Water Line	2023	1,400,000	21,000		1,421,000	1,507,539	2700	2250	LUE	83%	1,256,282
RM1826 Phase V 16"	2033	-	-		-	-				-	-
Heritage Oaks Loop Line	2033	-	-		-	-				-	-
1420 Pump Station Upgrade	2022	670,000	10,050		680,050	700,452	1500	1100	LUE	73%	513,664
		\$ 12,550,000	\$ 188,250		\$ 12,738,250	\$ 13,462,383					\$ 11,245,133
State Highway 71 System											
West Bee Cave PS Upgrade (Phase III)	2022	222,000	3,330		225,330	232,090	2500	1100	LUE	44%	102,120
Home Depot Pump Station Expansion & Conversion	2021	-	-		-	-				-	-
1080 Bee Cave Transmission Main	2022	5,900,000	88,500		5,988,500	6,168,155	5229	3450	LUE	66%	4,069,638
		\$ 6,122,000	\$ 91,830		\$ 6,213,830	\$ 6,400,245					\$ 4,171,757
Total Previously Approved Future CIP		\$ 39,497,000	\$ 590,580	\$ -	\$ 40,087,580	\$ 43,494,629					\$ 26,505,810

(1) Assumed 3% annual inflation to scheduled year.



Schedule 2
Future CIP Projects, Before Interest Expense - Newly Identified Projects

DRAFT

Project	Year Scheduled	Design/ Construction Costs (2021 Cost)	Legal/ Permitting Costs (1.5%)	Issuance Costs (2%)	Subtotal (2021 Cost)	Future Cost (1)	Capacity Increase	Capacity Used in 2022-2031	Units	Percent Allocation to 2018- 2027 Growth	Cost Allocated to 2018-2027 Growth
System Wide											
Impact Fee Update	2026	92,500			92,500	107,233				100%	107,233
TM No. 2 (Upsize)	2027	1,396,000	20,940		1,416,940	1,691,900	3100	2100	LUEs	68%	1,146,126
Ranch Road 12 16" TM (HPR to Fitzhugh)	2027	5,621,000	84,315		5,705,315	6,812,444	5200	2100	LUEs	40%	2,751,180
1340 PS (HPR)	2027	2,016,000	30,240		2,046,240	2,443,318	5200	2100	LUEs	40%	986,724
Uplands WTP Expansion to 33 MGD	2026	10,000,000	150,000		10,150,000	11,766,632	8	7.44	LUEs	93%	10,942,968
		\$ 19,125,500	\$ 285,495		\$ 19,410,995	\$ 22,821,527					\$ 15,934,230
US 290 System											
SWP PS Modifications	2025	\$ 1,500,000	22,500		1,522,500	1,713,587	12000	8810	LUEs	73%	1,258,059
1240 EST	2027	2,095,000	31,425		2,126,425	2,539,063	2250	2250	LUEs	100%	2,539,063
Hwy 71 Parallel 20" TM (uplands to SWPWPS)	2030	4,150,000	62,250		4,212,250	5,496,031	8150	5700	LUEs	70%	3,843,850
Fitzhugh Road 16" TM (Crumley to RR12)	2030	2,083,000	31,245		2,114,245	2,758,610	5200	2200	LUEs	42%	1,167,104
Darden Hill Rd 16" WL	2028	5,956,400	89,346		6,045,746	7,435,505	5200	1800	LUEs	35%	2,573,829
Nutty Brown 12" TM	2026	3,158,000	47,370		3,205,370	3,715,902	2900	1000	LUEs	34%	1,281,346
Fitzhugh Road 16" TM (CLPS to Crumley)	2029	6,498,000	97,470		6,595,470	8,354,944	5200	3800	LUEs	73%	6,105,536
30" Parallel TM 2 (SWPPS to County Line)	2025	19,354,000	290,310		19,644,310	22,109,844	12000	8810	LUEs	73%	16,232,310
		\$ 44,794,400	\$ 671,916		\$ 45,466,316	\$ 54,123,486					\$ 35,001,096
SH71 System											
West Bee Cave PS Upgrade (Electrical & Pumping)	2025	\$ 336,000	5,040		341,040	383,844	4200	700	LUEs	17%	63,974
TM No. 2 (West Bee Cave to HPR)	2027	825,792	12,387		838,179	1,000,829	3100	700	LUEs	23%	225,994
HPR GST2	2022	1,686,209	25,293		1,711,502	1,762,847	5000	700	LUEs	14%	246,799
		\$ 2,848,001	\$ 42,720		\$ 2,890,721	\$ 3,147,520					\$ 536,766
Total New Proposed		\$ 66,767,901	\$ 1,000,131	\$ -	\$ 67,768,032	\$ 80,092,534					\$ 51,472,093

(1) Future cost determined by applying 3% annual inflation to scheduled year.



Schedule 3
Existing Projects, Before Interest Expense

Final Report

Project	Funding Year	Actual Project Cost	Debt Issuance Cost	Total Project Cost	Capacity (MGD or LUEs)	Current Capacity Used (MGD or LUEs)	Capacity Used 2018-2027 (MGD or LUEs)	Capacity Used Beyond 2027 (MGD or LUEs)	Percent Allocation Current	Percent Allocation 2018-2027	Percent Allocation Beyond 2027	Costs Allocated to Current	Costs Allocated to 2018-2027 Growth	Costs Allocated Beyond 2027
Systemwide														
Uplands WTP Chem Building*	2012	\$ 2,141,458	\$ 42,829	\$ 2,184,288	20.00	17.90	2.10	-	90%	11%	0%	\$ 1,954,937	\$ 229,350	\$ -
Uplands WTP Plant*	2012	40,549,183	810,984	41,360,167	20.00	17.90	2.10	-	90%	11%	0%	37,017,349	4,342,817	-
Uplands Raw Water Intake Expansion*	2012	416,305	8,326	424,631	20.00	17.90	2.10	-	90%	11%	0%	380,045	44,586	-
High Service Pump Station 8 MGD to 14 MGD*	2012	4,034,066	80,681	4,114,747	20.00	17.90	2.10	-	90%	11%	0%	3,682,699	432,048	-
Groundwater Feasibility Study	2014	40,000	-	40,000	-	-	-	-	84%	16%	0%	33,600	6,400	-
Raw Water Transmission Main No. 2	2015	6,287,320	125,746	6,413,066	16.50	1.40	15.10	-	8%	92%	0%	544,139	5,868,927	-
Raw Water Line & Uplands WTP Expansion	2013	173,726	-	173,726	-	-	-	-	28%	72%	0%	48,643	125,083	-
Raw Water Line & WTP Expansion (Phase 1)	2017	1,592,603	31,852	1,624,455	3.00	0.40	2.60	-	13%	87%	0%	216,594	1,407,861	-
Uplands Clearwell #2*	2012	997,229	19,945	1,017,174	20.00	17.90	2.10	-	90%	11%	0%	910,370	106,803	-
		\$ 56,231,890	\$ 1,120,363	\$ 57,352,254								\$ 44,788,377	\$ 12,563,877	\$ -
SH 71 System														
Lazy 9 SW 71 Transmission Main*	2012	\$ 3,090,461	\$ 61,809	\$ 3,152,270	20	17.90	2.10	-	90%	11%	0%	\$ 2,821,282	\$ 330,988	\$ -
71 System Modeling	2013	49,578	-	49,578	-	-	-	-	84%	16%	0%	41,646	7,932	-
SH71 EST (1.0 Mgal)	2012	2,169,142	43,383	2,212,525	3,000	1,350	1,650	-	45%	55%	0%	995,636	1,216,889	-
Misc Improvements for 1280 Pressure Plane	2012	177,037	3,541	180,578	3,000	1,350	1,650	-	45%	55%	0%	81,260	99,318	-
WEST BEE CAVE PS UPGRADE (PHASE I)	2015	157,711	3,154	160,865	750	650	100	-	87%	13%	0%	139,417	21,449	-
West Bee Cave PS Upgrade Phase II (GST no 2)	2018	1,411,886	28,238	1,440,124	5,000	50	4,950	-	1%	99%	0%	14,401	1,425,722	-
Transmission Main from Uplands Plant to Bee Cave Pump Station*	2012	1,556,779	31,136	1,587,915	20	17.90	2.10	-	90%	11%	0%	1,421,184	166,731	-
Crystal Mountain EST*	2012	1,917,518	38,350	1,955,868	20	17.90	2.10	-	90%	11%	0%	1,750,502	205,366	-
Senna Hills By-Pass Line*	2012	559,677	11,194	570,871	20	17.90	2.10	-	90%	11%	0%	510,929	59,941	-
Hamilton Pool Road 1280 Pump Station Water Line*	2012	330,552	6,611	337,163	20	17.90	2.10	-	90%	11%	0%	301,761	35,402	-
Hamilton Pool Road Water Line*	2012	6,624,510	132,490	6,757,000	20	17.90	2.10	-	90%	11%	0%	6,047,515	709,485	-
Home Depot Pump Station*	2012	392,792	7,856	400,648	20	17.90	2.10	-	90%	11%	0%	358,580	42,068	-
Home Depot Ground Storage Tank*	2012	147,043	2,941	149,984	20	17.90	2.10	-	90%	11%	0%	134,236	15,748	-
Bee Cave Ground Storage Tank, Pump Station, Piping (off Cuernavaca)*	2012	699,851	13,997	713,848	20	17.90	2.10	-	90%	11%	0%	638,894	74,954	-
HPR Conversion and Upgrade to 1500 gpm	2019	214,321	4,286	218,607	375	20	355	-	5%	95%	0%	11,659	206,948	-
Bee Cave Water Line to Cuernavaca*	2012	990,492	19,810	1,010,302	20	17.90	2.10	-	90%	11%	0%	904,220	106,082	-
		\$ 20,489,350	\$ 408,795	\$ 20,898,145								\$ 16,173,121	\$ 4,725,025	\$ -
US 290 System														
Countytline Pump Station Upgrade 1800 gpm to 3450 gpm*	2012	\$ 1,684,429	\$ 33,689	\$ 1,718,118	20	17.90	2.10	-	90%	11%	0%	\$ 1,537,715	\$ 180,402	\$ -
290 Pipeline														
a) 24" SWPPS to County Line*	2012	12,841,593	256,832	13,098,425	20	17.90	2.10	-	90%	11%	0%	11,723,090	1,375,335	-
b) 20" Countytline to 1420 HGL EST*	2012	3,411,212	68,224	3,479,436	20	17.90	2.10	-	90%	11%	0%	3,114,095	365,341	-
SH71 20" Transmission Main	2013	3,630,945	72,619	3,703,564	20	17.90	2.10	-	90%	11%	0%	3,314,690	388,874	-
20" Main Uplands to SW Parkway (Easements)*	2012	506,714	10,134	516,848	20	17.90	2.10	-	90%	11%	0%	462,579	54,269	-
1420 Elevated Storage*	2012	2,197,353	43,947	2,241,300	20	17.90	2.10	-	90%	11%	0%	2,005,964	235,337	-
Sawyer Ranch Road Ph 1 20"*	2012	1,183,948	23,679	1,207,627	20	17.90	2.10	-	90%	11%	0%	1,080,826	126,801	-
Sawyer RR Ph 1 (Darden Hill)*	2012	1,293,619	25,872	1,319,491	20	17.90	2.10	-	90%	11%	0%	1,180,945	138,547	-
SWPPS Upgrade tp 5,900 gpm*	2012	243,213	4,864	248,077	20	17.90	2.10	-	90%	11%	0%	222,029	26,048	-
SWPPS Upgrade Phase 1 GST	2017	1,960,902	39,218	2,000,120	20	17.90	2.10	-	90%	11%	0%	1,790,107	210,013	-
1826 Phase IV 16" Water Line*	2012	1,055,040	21,101	1,076,141	20	17.90	2.10	-	90%	11%	0%	963,146	112,995	-
US290 System Modeling	2013	79,955	-	79,955	-	-	-	-	84%	16%	0%	67,162	12,793	-
1340 EST	2016	2,399,334	47,987	2,447,321	3,000	1,000	2,000	-	33%	67%	0%	815,774	1,631,547	-
1340 Transmission	2017	2,746,676	54,934	2,801,610	3,000	1,000	2,000	-	33%	67%	0%	933,870	1,867,740	-
		\$ 35,234,933	\$ 703,100	\$ 35,938,033								\$ 29,211,992	\$ 6,726,040	\$ -
Total		\$ 111,956,173	\$ 2,232,258	\$ 114,188,431								\$ 90,173,490	\$ 24,014,942	\$ -

TRUE

*LCRA Constructed Projects

West Travis County Public Utility Agency
 2021 Impact Fee Study - Wastewater Analysis

Schedule 4
 Future CIP Projects, Before Interest Expense - Previously Approved Projects

DRAFT

Project	Year Scheduled	Design/ Construction Costs (2021 Cost)	Legal/ Permitting Costs (1.5%)	Issuance Costs	Subtotal (2021 Cost)	Future Cost	Capacity Increase	Capacity Used in 2022-2031	Units	Percent Allocation to 2022- 2031 Growth	Cost Allocated to 2022-2031 Growth
Future WWTP Expansion	2022	6,325,000	94,875		6,419,875	6,612,471	0.5	0.25	MGD	50%	3,306,236
Effluent Disposal Development	2028	5,900,000	88,500		5,988,500	7,365,100	0.375	0.3	MGD	80%	5,892,080
Bohls Service Area Expansion Lift Station & Force Main	2024	780,000	11,700		791,700	865,112	500	375	LUEs	75%	648,834
Total and Future Projects		\$ 13,005,000	\$ 195,075	\$ -	\$ 13,200,075	\$ 14,842,683					\$ 9,847,149

West Travis County Public Utility Agency
 2021 Impact Fee Study - Wastewater Analysis

Schedule 5
 Future CIP Projects, Before Interest Expense - Newly Identified Projects

DRAFT

Project	Year Scheduled	Design/ Construction Costs (2021 Cost)	Legal/ Permitting Costs (1.5%)	Issuance Costs	Subtotal (2021 Cost)	Future Cost	Capacity Increase	Capacity Used in 2015-2024	Units	Percent Allocation to 2018- 2027 Growth	Cost Allocated to 2018-2027 Growth
Impact Fee Study	2026	27,500			27,500	31,880				100%	31,880
BWR & Effluent Disposal Injection Well	2022	517,500	7,763	10,350	535,613	551,681	0.375	0.30	MGD	80%	441,345
BWR Phase 1 Supply/Reject FMs	2022	1,460,500	21,908	29,210	1,511,618	1,556,966	0.500	0.30	MGD	60%	934,180
Lime Kiln Interceptor	2026	1,730,000	25,950	39,560	1,795,510	2,081,488	1,800	900	LUEs	50%	1,040,744
Total Future Projects		\$ 3,735,500	\$ 55,620	\$ 79,120	\$ 3,870,240	\$ 4,222,015					\$ 2,448,148

West Travis County Public Utility Agency
 2021 Impact Fee Study - Wastewater Analysis

Schedule 6
 Existing Projects, Before Interest Expense

DRAFT

Project	Funding Year	Actual Project Cost	Issuance Costs	Total Cost	Capacity	Current Capacity Used	Capacity Used 2022-2031	Capacity Used Beyond 2031	Units	Percent Allocation Current	Percent Allocation 2022-31	Percent Allocation Beyond 2031	Costs Allocated to Current	Costs Allocated to 2022-2031 Growth	Costs Allocated Beyond 2031
Systemwide															
Lakepointe WWTP*	2012	\$ 15,317,630	\$ 197,590	\$ 15,515,220	0.675	0.590	0.085	-	MGD	87%	13%	0%	\$ 13,561,452	\$ 1,953,768	\$ -
Bee Cave Regional System*	2012	8,499,620	109,641	8,609,261	1.000	0.800	0.200	-	MGD	80%	20%	0%	6,887,409	1,721,852	-
Spillman Effluent Irrigation System*	2012	530,458	6,843	537,301	1.000	0.800	0.200	-	MGD	80%	20%	0%	429,841	107,460	-
CCNG Lift Station*	2012	141,970	1,831	143,801	1.000	0.800	0.200	-	MGD	80%	20%	0%	115,041	28,760	-
RM 620 WW Line*	2012	1,262,030	16,280	1,278,309	1.000	0.800	0.200	-	MGD	80%	20%	0%	1,022,647	255,662	-
Hwy 71 WW Line*	2012	998,809	12,884	1,011,693	1.000	0.800	0.200	-	MGD	80%	20%	0%	809,355	202,339	-
Bohl's Effluent Pond and Lift Station	2012	3,816,591	49,232	3,865,823	0.325	0.290	0.035	-	MGD	89%	11%	0%	3,449,504	416,319	-
Bohl's WWTP	2012	5,570,796	71,860	5,642,656	0.325	0.290	0.035	-	MGD	89%	11%	0%	5,034,986	607,671	-
Bohl's Regional Lift Station/FM	2012	2,101,571	27,109	2,128,680	0.325	0.290	0.035	-	MGD	89%	11%	0%	1,899,438	229,242	-
Master Planning and Permitting	2013	310,867	-	310,867	0.500	-	0.500	-	-	8%	92%	0%	24,869	285,998	-
Little Barton Creek Interceptor	2013	2,851,077	36,777	2,887,854	0.267	0.038	0.229	-	MGD	14%	86%	0%	411,006	2,476,849	-
		\$ 41,401,420	\$ 530,048	\$ 41,931,467									\$ 33,645,546	\$ 8,285,921	\$ -

TRUE

EXHIBIT C

Impact Fee Advisory Committee Recommendations

August 6, 2021

Mr. Scott Roberts
President, Board of Directors
West Travis County Public Utility Agency
13215 Bee Cave Road, Building 3, Suite 120
Bee Cave, Texas 78738

Subject: Recommendations of the West Travis County Public Utility Agency (WTCPUA) Impact

Fee Advisory Committee (IFAC) regarding potential amendments to the Water and Wastewater Land Use Assumptions, Capital Improvement Plan, and Impact Fees.

Dear President Roberts:

On August 5, 2021, the IFAC met to evaluate and consider the proposed update to the WTCPUA's Land Use Assumptions, Capital Improvements and Impact Fee Study. Committee members present at the meeting were Tina Keats (Chair, representing retail rate payers), Chet Palesko (representing wholesale water customers), and Adrian Overstreet (Developer). PUA Staff and consultants attending were: Jennifer Riechers, Agency General Manager; Jennifer Smith, Controller; Keli Kirkley, Accounting Supervisor; Nelisa Heddin, Rate Consultant; George Murfee, District Engineer, Murfee Engineering Company and Jason Baze, Murfee Engineering Company.

George Murfee presented the findings of the CIP Study and highlighted the growth anticipated and identified the proposed projects needed to meet the proposed growth. He noted to the committee that the current board is considering service outside of the historical retail service area. Nelisa Heddin then proceeded to walk the committee through the 2021 Impact Fee Analysis draft summary and presentation of the recommended 2021 Impact Fees for water and wastewater as follows:

Maximum Allowable (100%) Impact Fees per LUE

	Scenario 1 (Includes Future Debt)	Scenario 2 (Excludes Future Debt)
Hwy 71 Water Impact Fee	\$ 5,249.44	\$ 4,780.28
US 290 Water Impact Fee	\$ 8,605.11	\$ 8,135.94
Wastewater Impact Fee	\$ 12,177.11	\$ 11,218.89

Mr. Scott Roberts
Page 2
August 6, 2021

90% of Maximum Allowable Impact Fees per LUE

	Scenario 1 (Includes Future Debt)	Scenario 2 (Excludes Future Debt)
Hwy 71 Water Impact Fee	\$ 4,724.50	\$ 4,302.25
US 290 Water Impact Fee	\$ 7,744.59	\$ 7,322.35
Wastewater Impact Fee	\$ 10,959.40	\$ 10,097.00

After much review and discussion, the IFAC makes the following recommendations:

1. Approve the 2021 recommended Impact Fees at 90% of the Maximum Allowable Impact Fee amount including debt less \$250.

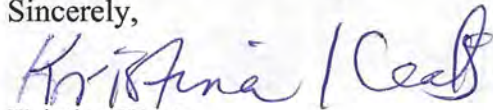
Hwy 71 \$4,474.50
Hwy 290 \$7,494.59
Wastewater \$10,709.40

2. Revise WTCPUA Tariff to change the timing of collection of impact fees to be when the final plat is recorded.

The IFAC expressed concern with the cash flow projections that the PUA is facing related to the proposed CIP projects and feel that debt issuance is the best option for the existing customers of the PUA.

Thank you for your consideration.

Sincerely,



Kristina Keats
Chair

ITEM C

**Fiscal Year 2022 Budget
First Presentation
August 19, 2021**

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Budget Development Assumptions & Requested Board Direction August 19, 2021

Major General Assumptions used to develop initial budget

Revenue

Water	6% increase over FY21 annualized - System 290 and 5.5% increase over FY21 annualized-System 71
Wastewater	2% increase over FY21 annualized
Reservations	same as FY21 annualized
SER Fees	6% increase over FY21 annualized
SER Const Insp Fees	6% increase over FY21 annualized
Investment Income	same as FY21 annualized

Expense

Maintenance/Repairs/Supplies	4% increase over FY21 annualized
Raw Water	4% increase over FY21 annualized + 7% increase for new rates
Chemicals	4% increase over FY21 annualized + 6.8% inflation increase
Sludge Disposal	4% increase over FY21 annualized
Utilities	4% increase over FY21 annualized + 5.3% inflation increase
Vehicle Expenses	4% increase over FY21 annualized + 30% inflation increase for fuel
Payroll	See Summary of Payroll Budget Change on page 20 and GM Memo

Transfers

General Operating Fund Transfer to Debt	
Service Fund for Early Retirement	\$2M-\$3M annually to achieve goal of \$16.5M by 2024 (next call date)
Impact Fee Fund Transfer to Capital Projects	
Fund for CIP Project Costs	\$20M transfer included pending Board approval of amended Impact Fee Fund Balance policy

5 Year Operational & Facility Management Plan Plan has been updated and includes all additions related to budget requests of \$927,000

Capital Projects Spending Plan has been updated for all projects included in the LUA/CIP

Facilities Fund Spending Plan has been updated for all projects identified during CIP Study (including Lakepointe Decommissioning projects)

Requested Board Direction

Direction on debt issuance to cover cash shortfall expected due to new CIP projects (\$22M - \$30M estimated)

Direction on long-term focus of using general fund balances for early debt retirement

Approval or Rejection of any budget additions



Fiscal Year 2022 Budget

All Funds

For Fiscal: 2021-2022 Period Ending: 9/30/2022

	10 General Fund	20 Rate Stabilization Fund	30 Facilities Fund	40 Debt Service Fund	50 Capital Projects Fund	60 Impact Fee Fund	Total
Revenue							
60 - Water Revenue	\$ 21,384,000	\$ -	\$ -	\$ -	\$ -	\$ 9,603,000	\$ 30,987,000
61 - Wastewater Revenue	4,529,000	-	-	-	-	398,000	4,927,000
62 - SER Project Revenue	1,454,000	-	-	-	-	-	1,454,000
68 - Other Income	45,000	-	-	-	-	-	45,000
69 - Investment Income, Net	261,000	45,000	75,000	215,000	106,000	330,000	1,032,000
90 - Other Financing Sources (Uses)	-	-	2,500,000	14,175,924	20,000,000	-	36,675,924
Revenue Total:	27,673,000	45,000	2,575,000	14,390,924	20,106,000	10,331,000	75,120,924
Expense							
70 - Water Expense	4,670,988	-	-	-	-	-	4,670,988
71 - Wastewater Expense	2,095,761	-	-	-	-	-	2,095,761
72 - Shared Operations Expense	1,673,850	-	-	-	-	-	1,673,850
74 - SER Project Expense	165,000	-	-	-	-	-	165,000
79 - Shared Admin Expense	4,181,925	-	-	-	-	-	4,181,925
80 - Capital Outlay	20,000	-	5,568,050	-	28,306,640	-	33,894,690
88 - Debt Service	-	-	-	12,020,363	-	-	12,020,363
90 - Other Financing Sources (Uses)	14,500,000	-	-	-	-	22,175,924	36,675,924
Expense Total:	27,307,524	-	5,568,050	12,020,363	28,306,640	22,175,924	95,378,501
Current Surplus (Deficit):	\$ 365,476	\$ 45,000	\$ (2,993,050)	\$ 2,370,561	\$ (8,200,640)	\$ (11,844,924)	\$ (20,257,577)



Budget Comparison Report

Fiscal Year 2022 Budget

General Fund

MinorGroup	2018-2019 Total Activity	2019-2020 Total Activity	2020-2021 Annualized	2020-2021 Adopted Budget	2021-2022 Proposed Budget	Change From 2020-2021 Annualized	%
Revenue							
Department: 10 - Water							
6001 - Retail Revenue	14,922,365	15,027,538	14,806,000	14,130,000	15,613,000		
6002 - Wholesale Revenue	4,251,654	5,480,747	5,300,000	5,702,000	5,618,000		
6009 - Other Revenue	709,603	540,435	150,000	187,000	153,000		
Total Department: 10 - Water:	19,883,622	21,048,720	20,256,000	20,019,000	21,384,000	1,128,000	5.57%
Department: 20 - Wastewater							
6101 - Retail Revenue	3,901,016	3,689,755	3,600,000	3,362,000	3,672,000		
6102 - Wholesale Revenue	750,367	863,956	805,000	828,000	821,000		
6104 - Pre-Treatment Surcharges	196,141	81,265	46,000	121,000	36,000		
6109 - Other Revenue	107,049	41,390	-	5,000	-		
Total Department: 20 - Wastewater:	4,954,573	4,676,366	4,451,000	4,316,000	4,529,000	78,000	1.75%
Department: 55 - SER Projects							
6201 - Reservation Fee Revenue-Water	1,185,930	767,824	919,000	1,000,000	911,000		
6202 - Reservation Fee Revenue-Wastewater	371,060	221,780	198,000	263,000	198,000		
6203 - Application & Engineering Review Fees	59,200	95,250	75,000	60,000	80,000		
6204 - Construction Inspection Fees	122,164	265,637	250,000	200,000	265,000		
Total Department: 55 - SER Projects:	1,738,354	1,350,491	1,442,000	1,523,000	1,454,000	12,000	0.83%
Department: 90 - Admin							
6801 - Other Income	8,739	329,997	40,000	45,000	45,000		
6901 - Investment Income, Net	121,249	123,501	261,000	130,000	261,000		
Total Department: 90 - Admin:	129,988	453,498	301,000	175,000	306,000	5,000	1.66%
Total Revenue:	26,706,537	27,529,075	26,450,000	26,033,000	27,673,000	1,223,000	4.62%



Budget Comparison Report

Fiscal Year 2022 Budget

General Fund

	2018-2019 Total Activity	2019-2020 Total Activity	2020-2021 Annualized	2020-2021 Adopted Budget	2021-2022 Proposed Budget	Change From 2020-2021 Annualized	%
Expense							
Department: 10 - Water							
7001 - Maintenance	570,919	231,569	69,000	232,000	99,000		
7002 - Repairs	-	131,495	413,000	345,000	430,000		
7003 - Stock Supplies	-	13,089	33,000	33,000	34,000		
7004 - Small Tools	-	442	6,000	2,000	12,500		
7005 - Grounds Maintenance	39,490	37,050	36,000	39,000	56,000		
7006 - Raw Water	1,078,678	1,150,217	1,100,000	1,220,000	1,279,720		
7007 - Chemicals	260,116	268,463	255,000	281,000	283,234		
7008 - Sludge Disposal	248,438	120,056	65,000	200,000	68,000		
7009 - Utilities	1,035,944	1,249,699	1,307,000	1,154,000	1,430,656		
7010 - Permits	19,777	19,590	20,000	20,000	20,000		
7011 - Laboratory Fees	22,300	15,972	19,000	22,000	20,000		
7012 - Contracted Services	87,058	66,452	56,000	76,000	79,300		
7014 - Uniforms & Safety Equipment	-	1,519	6,700	4,500	4,800		
7016 - Vehicle Expense	95,003	17,270	16,800	16,500	46,200		
7019 - Other Expense	81,025	15,918	20,700	37,792	35,700		
7095 - Payroll Expense	-	89,985	623,385	589,382	731,878		
Total Department: 10 - Water:	3,538,748	3,428,786	4,046,585	4,272,174	4,630,988	584,403	14.44%
Department: 20 - Wastewater							
7101 - Maintenance	270,962	143,903	31,000	92,000	60,000		
7102 - Repairs	-	100,776	216,000	157,000	225,000		
7103 - Stock Supplies	-	14,848	6,600	49,000	15,000		
7104 - Small Tools	-	401	1,500	5,000	6,000		
7105 - Grounds Maintenance	50,753	35,670	35,000	38,000	51,150		
7107 - Chemicals	48,307	51,810	50,000	65,000	53,400		
7108 - Sludge Disposal & LS Cleaning	649,200	656,109	715,000	690,000	744,000		
7109 - Utilities	246,128	248,060	256,500	257,200	270,450		
7110 - Permits	1,250	1,250	1,300	2,500	1,300		
7111 - Laboratory Fees	26,073	32,676	30,300	33,000	33,000		
7112 - Contracted Services	13,184	15,835	19,000	20,000	48,700		
7114 - Uniforms & Safety Equipment	-	1,168	3,100	2,000	2,400		
7116 - Vehicle Expense	-	21,014	13,500	22,000	36,250		
7117 - Pre-Treatment Lab Testing	22,775	10,942	2,500	23,000	2,500		
7118 - Lease-Effluent Pond	93,000	93,000	93,000	93,000	93,000		
7119 - Other Expense	11,667	1,394	3,410	15,967	11,200		
7195 - Payroll Expense	-	51,492	345,971	343,247	407,511		
Total Department: 20 - Wastewater:	1,433,298	1,480,348	1,823,681	1,907,914	2,060,861	237,180	13.01%
Department: 40 - Electromechanical							
7203 - Stock Supplies	-	14,679	104,000	60,000	75,000		
7204 - Small Tools	-	3,360	14,700	20,500	22,100		
7212 - Contracted Services	-	407	-	6,250	-		
7214 - Uniforms & Safety Equipment	-	1,975	4,600	4,000	3,600		
7216 - Vehicle Expense	-	26,611	22,300	22,000	32,130		
7219 - Other Expense	-	-	900	13,008	18,700		
7295 - Payroll Expense	-	54,190	378,571	428,371	560,693		
Total Department: 40 - Electromechanical:	-	101,222	525,071	554,129	712,223	187,152	35.64%
Department: 50 - Line Maintenance							
7203 - Stock Supplies	-	28,872	83,000	65,000	75,000		
7204 - Small Tools	-	1,879	5,500	8,500	29,600		
7214 - Uniforms & Safety Equipment	-	5,201	6,200	8,000	9,000		
7216 - Vehicle Expense	-	33,359	39,800	41,500	55,660		
7217 - Heavy Equipment Expense	-	-	15,000	-	15,000		
7219 - Other Expense	-	264	2,400	16,333	33,300		
7295 - Payroll Expense	-	76,107	508,510	564,526	741,967		
Total Department: 50 - Line Maintenance:	-	145,682	660,410	703,859	959,527	299,117	45.29%



Budget Comparison Report

Fiscal Year 2022 Budget

General Fund

	2018-2019 Total Activity	2019-2020 Total Activity	2020-2021 Annualized	2020-2021 Adopted Budget	2021-2022 Proposed Budget	Change From 2020-2021 Annualized	%
Department: 55 - SER Projects							
7401 - SER Project Expense	242,315	170,806	160,000	160,000	165,000		
Total Department: 55 - SER Projects:	242,315	170,806	160,000	160,000	165,000	5,000	3.13%
Department: 60 - Engineering							
7919 - Other Expense	-	-	380	8,900	4,100		
7995 - Payroll Expense	-	39,749	215,885	209,786	234,199		
Total Department: 60 - Engineering:	-	39,749	216,265	218,686	238,299	22,034	10.19%
Department: 70 - Customer Service							
7901 - Billing Support Fees	118,296	87,954	66,000	65,000	70,000		
7912 - Contracted Services	-	1,750	-	1,750	-		
7913 - Stock Supplies	-	-	-	2,000	-		
7914 - Small Tools	-	-	-	2,000	-		
7915 - Uniforms & Safety Equipment	19,426	9,574	3,500	4,000	200		
7916 - Vehicle Expense	-	20,141	-	22,000	-		
7919 - Other Expense	-	-	2,175	4,300	4,800		
7995 - Payroll Expense	29,235	226,903	509,756	553,778	279,789		
Total Department: 70 - Customer Service:	166,957	346,321	581,431	654,828	354,789	(226,642)	-38.98%
Department: 75 - Meter Tech							
7310 - Meters	-	-	-	-	165,000		
7913 - Stock Supplies	-	-	5,000	-	5,000		
7914 - Small Tools	-	-	2,000	-	2,000		
7916 - Vehicle Expense	-	-	21,700	-	34,100		
7919 - Other Expense	-	-	-	-	9,000		
7995 - Payroll Expense	-	-	-	-	305,298		
Total Department: 75 - Meter Tech:	-	-	28,700	-	520,398	491,698	new
Department: 80 - Information Technology							
7009 - Utilities	23,079	24,200	28,900	24,900	30,000		
7013 - SCADA Maintenance	-	13,494	2,000	48,000	10,000		
7109 - Utilities	21,420	26,363	29,800	28,000	30,900		
7113 - SCADA Maintenance	-	2,673	-	4,000	4,000		
7209 - Utilities	-	-	2,000	-	2,100		
7905 - Professional Services	40,766	9,258	6,000	4,000	6,200		
7909 - Utilities	22,613	7,815	1,000	9,500	9,500		
7914 - Small Tools	-	-	22,000	3,000	135,000		
7919 - Other Expense	30,299	134,249	153,700	173,815	192,000		
7995 - Payroll Expense	-	14,983	97,814	100,324	116,930		
Total Department: 80 - Information Technology:	138,178	233,033	343,214	395,539	536,630	193,416	56.35%
Department: 90 - Admin							
7902 - Insurance	115,244	122,319	131,000	130,000	150,000		
7903 - Occupancy	252,420	189,269	194,000	195,000	202,000		
7905 - Professional Services	766,463	898,898	953,000	927,000	1,109,000		
7909 - Utilities	3,437	694	-	-	-		
7919 - Other Expense	224,153	101,795	126,400	218,000	284,200		
7995 - Payroll Expense	2,955,320	1,972,973	718,412	749,435	863,608		
8001 - General Fund Capital Outlay	38,199	175,725	-	41,000	20,000		
9009 - Transfers Out	11,656,250	11,538,750	14,081,250	14,081,250	14,500,000		
Total Department: 90 - Admin:	16,011,487	15,000,422	16,204,062	16,341,685	17,128,808	924,746	5.71%
Total Expense:	21,530,982	20,946,369	24,589,419	25,208,814	27,307,524	2,718,105	11.05%
Revenues Over Expenses:	5,175,555	6,582,705	1,860,581	824,186	365,476		
					Beginning Fund Balance (expected)	27,963,613	
					Ending Fund Balance	28,329,089	



Fiscal Year 2022 Budget All Funds

For Fiscal: 2021-2022 Period Ending: 09/30/2022

Account Number	Account Name	2021-2022
Fund: 10 - General Fund		
Revenue		
MajorGroup: 60 - Water Revenue		
Department: 10 - Water		
10-10-6001	Retail Revenue-71 System	8,505,000
10-10-6002	Retail Revenue-290 System	7,108,000
10-10-6003	Wholesale Revenue-71 System	3,180,000
10-10-6004	Wholesale Revenue-290 System	2,438,000
10-10-6005	Other Revenue-71 System	97,000
10-10-6006	Other Revenue-290 System	56,000
Total Department: 10 - Water:		21,384,000
Total MajorGroup: 60 - Water Revenue:		21,384,000
MajorGroup: 61 - Wastewater Revenue		
Department: 20 - Wastewater		
10-20-6101	Retail Revenue-Wastewater	3,672,000
10-20-6102	Wholesale Revenue-Wastewater	821,000
10-20-6103	Pre-Treatment Surcharges	36,000
Total Department: 20 - Wastewater:		4,529,000
Total MajorGroup: 61 - Wastewater Revenue:		4,529,000
MajorGroup: 62 - SER Project Revenue		
Department: 55 - SER Projects		
10-55-6201	LUE Reservation Fees-Water 71 System	661,000
10-55-6202	LUE Reservation Fees-Water 290 System	250,000
10-55-6203	LUE Reservation Fees-Wastewater	198,000
10-55-6204	SER App & Eng Review Fees	80,000
10-55-6205	SER Construction Inspection Fees	265,000
Total Department: 55 - SER Projects:		1,454,000
Total MajorGroup: 62 - SER Project Revenue:		1,454,000
MajorGroup: 68 - Other Income		
Department: 90 - Admin		
10-90-6801	Miscellaneous Income	45,000
Total Department: 90 - Admin:		45,000
Total MajorGroup: 68 - Other Income:		45,000
MajorGroup: 69 - Investment Income, Net		
Department: 90 - Admin		
10-90-6901	Investment Income, Net	261,000
Total Department: 90 - Admin:		261,000
Total MajorGroup: 69 - Investment Income, Net:		261,000
Total Revenue:		27,673,000
Expense		
MajorGroup: 70 - Water Expense		
Department: 10 - Water		
10-10-7001	Maintenance	99,000
10-10-7004	Repairs	430,000
10-10-7007	Stock Supplies	34,000
10-10-7010	Tools	12,500
10-10-7013	Grounds Maintenance	56,000
10-10-7016	Raw Water	1,279,720
10-10-7019	Chemicals	283,234
10-10-7022	Sludge Disposal	68,000
10-10-7025	Utilities-Electric	1,423,656
10-10-7034	Utilities-Other	7,000
10-10-7037	Permit Expense	20,000



Fiscal Year 2022 Budget All Funds

For Fiscal: 2021-2022 Period Ending: 09/30/2022

Account Number	Account Name	2021-2022
10-10-7040	Laboratory Fees	20,000
10-10-7043	Contracted Services	79,300
10-10-7049	Uniforms & Safety Equipment	4,800
10-10-7052	Office Supplies	9,000
10-10-7053	Staff Appreciation	1,600
10-10-7061	Other Expense	11,000
10-10-7062	Vehicle Fuel	14,040
10-10-7063	Vehicle Maint & Repair	2,200
10-10-7064	Vehicle Other Expense	1,960
10-10-7065	Vehicle Lease	28,000
10-10-7307	Wages	484,765
10-10-7308	Overtime	61,900
10-10-7309	License Bonus	1,500
10-10-7315	Disability-LT/ST	5,254
10-10-7316	Group Life Ins/ADD	2,363
10-10-7317	Health/Dental/Vision Insurance	48,973
10-10-7318	TCDRS Contribution	69,084
10-10-7320	Longevity	3,600
10-10-7325	Payroll Taxes	42,246
10-10-7326	Workers Comp	12,194
10-10-7359	Worksite Meals	400
10-10-7363	Membership & Dues	500
10-10-7377	License Fees	2,000
10-10-7385	Training and Continuing Education	8,000
10-10-7387	Travel Expense	3,200
Total Department: 10 - Water:		4,630,988
Department: 80 - Information Technology		
10-80-7028	Utilities-Telephone-Water	27,000
10-80-7031	Utilities-Internet-Water	3,000
10-80-7046	SCADA Maintenance-Water	10,000
Total Department: 80 - Information Technology:		40,000
Total MajorGroup: 70 - Water Expense:		4,670,988
MajorGroup: 71 - Wastewater Expense		
Department: 20 - Wastewater		
10-20-7101	Maintenance	60,000
10-20-7104	Repairs	225,000
10-20-7107	Stock Supplies	15,000
10-20-7110	Tools	6,000
10-20-7113	Grounds Maintenance	51,150
10-20-7119	Chemicals	53,400
10-20-7122	Sludge Disposal	744,000
10-20-7125	Utilities-Electric	263,250
10-20-7134	Utilities-Other	7,200
10-20-7137	Permit Expense	1,300
10-20-7140	Laboratory Fees	33,000
10-20-7143	Contracted Services	48,700
10-20-7149	Uniforms & Safety Equipment	2,400
10-20-7152	Office Supplies	1,000
10-20-7153	Staff Appreciation	800
10-20-7155	Pre-Treatment Lab Testing	2,500
10-20-7158	Lease-Effluent Pond	93,000
10-20-7161	Other Expense	1,000
10-20-7162	Vehicle Fuel	10,140
10-20-7163	Vehicle Maint & Repair	3,150
10-20-7164	Vehicle Other Expense	1,960
10-20-7165	Vehicle Lease	21,000



Fiscal Year 2022 Budget All Funds

For Fiscal: 2021-2022 Period Ending: 09/30/2022

Account Number	Account Name	2021-2022
10-20-7307	Wages	274,499
10-20-7308	Overtime	28,800
10-20-7309	License Bonus	1,250
10-20-7315	Disability-LT/ST	2,919
10-20-7316	Group Life Ins/ADD	1,308
10-20-7317	Health/Dental/Vision Insurance	27,984
10-20-7318	TCDRS Contribution	38,431
10-20-7320	Longevity	2,400
10-20-7325	Payroll Taxes	23,823
10-20-7326	Workers Comp	6,097
10-20-7359	Worksite Meals	400
10-20-7363	Membership & Dues	500
10-20-7377	License Fees	1,000
10-20-7385	Training and Continuing Education	4,000
10-20-7387	Travel Expense	2,500
Total Department: 20 - Wastewater:		2,060,861
Department: 80 - Information Technology		
10-80-7128	Utilities-Telephone-Wastewater	29,000
10-80-7131	Utilities-Internet-Wastewater	1,900
10-80-7146	SCADA Maintenance-Wastewater	4,000
Total Department: 80 - Information Technology:		34,900
Total MajorGroup: 71 - Wastewater Expense:		2,095,761
MajorGroup: 72 - Shared Operations Expense		
Department: 40 - Electromechanical		
10-40-7207	Stock Supplies	75,000
10-40-7210	Tools	22,100
10-40-7249	Uniforms & Safety Equipment	3,600
10-40-7253	Staff Appreciation	1,200
10-40-7261	Other Expense	8,000
10-40-7262	Vehicle Fuel	16,380
10-40-7263	Vehicle Maint & Repair	6,550
10-40-7264	Vehicle Other Expense	2,200
10-40-7265	Vehicle Lease	7,000
10-40-7307	Wages	400,856
10-40-7308	Overtime	16,500
10-40-7315	Disability-LT/ST	4,454
10-40-7316	Group Life Ins/ADD	1,993
10-40-7317	Health/Dental/Vision Insurance	41,977
10-40-7318	TCDRS Contribution	52,435
10-40-7320	Longevity	1,500
10-40-7325	Payroll Taxes	31,834
10-40-7326	Workers Comp	9,145
10-40-7359	Worksite Meals	400
10-40-7363	Membership & Dues	500
10-40-7377	License Fees	200
10-40-7385	Training and Continuing Education	6,000
10-40-7387	Travel Expense	2,400
Total Department: 40 - Electromechanical:		712,223
Department: 50 - Line Maintenance		
10-50-7207	Stock Supplies	75,000
10-50-7210	Tools	29,600
10-50-7249	Uniforms & Safety Equipment	9,000
10-50-7253	Staff Appreciation	1,800
10-50-7261	Other Expense	7,000
10-50-7262	Vehicle Fuel	24,570
10-50-7263	Vehicle Maint & Repair	7,650



Fiscal Year 2022 Budget All Funds

For Fiscal: 2021-2022 Period Ending: 09/30/2022

Account Number	Account Name	2021-2022
10-50-7264	Vehicle Other Expense	2,440
10-50-7265	Vehicle Lease	21,000
10-50-7268	Heavy Equip Maint & Repair	15,000
10-50-7307	Wages	524,940
10-50-7308	Overtime	17,200
10-50-7309	License Bonus	2,500
10-50-7315	Disability-LT/ST	5,420
10-50-7316	Group Life Ins/ADD	2,432
10-50-7317	Health/Dental/Vision Insurance	62,965
10-50-7318	TCDRS Contribution	68,307
10-50-7320	Longevity	900
10-50-7325	Payroll Taxes	43,586
10-50-7326	Workers Comp	13,718
10-50-7359	Worksite Meals	1,500
10-50-7363	Membership & Dues	200
10-50-7377	License Fees	200
10-50-7385	Training and Continuing Education	19,000
10-50-7387	Travel Expense	3,600
Total Department: 50 - Line Maintenance:		959,527
Department: 80 - Information Technology		
10-80-7228	Utilities-Telephone-Other Ops	2,100
Total Department: 80 - Information Technology:		2,100
Total MajorGroup: 72 - Shared Operations Expense:		1,673,850
MajorGroup: 74 - SER Project Expense		
Department: 55 - SER Projects		
10-55-7401	SER Legal & Engineer Fees	35,000
10-55-7402	SER Construction Inspection Expense	130,000
Total Department: 55 - SER Projects:		165,000
Total MajorGroup: 74 - SER Project Expense:		165,000
MajorGroup: 79 - Shared Admin Expense		
Department: 60 - Engineering		
10-60-7307	Wages	184,765
10-60-7315	Disability-LT/ST	817
10-60-7316	Group Life Ins/ADD	364
10-60-7317	Health/Dental/Vision Insurance	6,996
10-60-7318	TCDRS Contribution	23,208
10-60-7320	Longevity	600
10-60-7325	Payroll Taxes	14,585
10-60-7326	Workers Comp	2,864
10-60-7363	Membership & Dues	500
10-60-7377	License Fees	400
10-60-7383	Staff Appreciation	400
10-60-7385	Training and Continuing Education	2,000
10-60-7387	Travel Expense	800
Total Department: 60 - Engineering:		238,299
Department: 70 - Customer Service		
10-70-7301	Billing Support Fees	70,000
10-70-7307	Wages	206,482
10-70-7308	Overtime	1,700
10-70-7315	Disability-LT/ST	2,329
10-70-7316	Group Life Ins/ADD	1,046
10-70-7317	Health/Dental/Vision Insurance	20,988
10-70-7318	TCDRS Contribution	26,039
10-70-7320	Longevity	1,500
10-70-7325	Payroll Taxes	15,410



Fiscal Year 2022 Budget All Funds

For Fiscal: 2021-2022 Period Ending: 09/30/2022

Account Number	Account Name	2021-2022
10-70-7326	Workers Comp	4,295
10-70-7383	Staff Appreciation	600
10-70-7385	Training and Continuing Education	3,000
10-70-7387	Travel Expense	1,200
10-70-7389	Uniforms & Safety Equipment	200
Total Department: 70 - Customer Service:		354,789
Department: 75 - Meter Tech		
10-75-7307	Wages	218,275
10-75-7309	License Bonus	1,750
10-75-7315	Disability-LT/ST	2,307
10-75-7316	Group Life Ins/ADD	1,029
10-75-7317	Health/Dental/Vision Insurance	27,984
10-75-7318	TCDRS Contribution	27,986
10-75-7320	Longevity	1,800
10-75-7325	Payroll Taxes	18,069
10-75-7326	Workers Comp	6,097
10-75-7340	Meters	165,000
10-75-7341	Vehicle Fuel	14,040
10-75-7342	Vehicle Maint & Repair	4,100
10-75-7344	Vehicle Other Expense	1,960
10-75-7345	Vehicle Lease	14,000
10-75-7347	Stock Supplies	5,000
10-75-7348	Tools	2,000
10-75-7377	License Fees	200
10-75-7383	Staff Appreciation	800
10-75-7385	Training and Continuing Education	4,000
10-75-7387	Travel Expense	1,600
10-75-7389	Uniforms & Safety Equipment	2,400
Total Department: 75 - Meter Tech:		520,398
Department: 80 - Information Technology		
10-80-7307	Wages	88,905
10-80-7315	Disability-LT/ST	976
10-80-7316	Group Life Ins/ADD	436
10-80-7317	Health/Dental/Vision Insurance	6,996
10-80-7318	TCDRS Contribution	11,131
10-80-7325	Payroll Taxes	7,053
10-80-7326	Workers Comp	1,432
10-80-7336	IT Support Services	6,200
10-80-7348	IT Equipment & Tools	135,000
10-80-7369	Office Equipment	3,000
10-80-7381	Software Licenses	184,000
10-80-7385	Training and Continuing Education	4,000
10-80-7387	Travel Expense	1,000
10-80-7393	Utilities-Telephone-Admin	7,500
10-80-7395	Utilities-Internet-Admin	2,000
Total Department: 80 - Information Technology:		459,630
Department: 90 - Admin		
10-90-7303	Liability Insurance	150,000
10-90-7305	Occupancy	202,000
10-90-7307	Wages	668,276
10-90-7315	Disability-LT/ST	5,858
10-90-7316	Group Life Ins/ADD	2,652
10-90-7317	Health/Dental/Vision Insurance	41,977
10-90-7318	TCDRS Contribution	84,006
10-90-7319	Fringe Benefits	3,313
10-90-7320	Longevity	2,700



Fiscal Year 2022 Budget All Funds

For Fiscal: 2021-2022 Period Ending: 09/30/2022

Account Number	Account Name	2021-2022
10-90-7325	Payroll Taxes	47,667
10-90-7326	Workers Comp	7,158
10-90-7331	General Counsel	180,000
10-90-7332	Litigation	155,000
10-90-7333	Engineering	425,000
10-90-7334	Rate Consultant	50,000
10-90-7335	Public Relations	100,000
10-90-7337	Auditor	59,000
10-90-7338	Other	140,000
10-90-7351	Bad Debt Expense	50,000
10-90-7353	Bank Charges, Net	15,000
10-90-7355	Board Meeting Expense	8,000
10-90-7359	Business Meals	1,500
10-90-7361	Medical & Testing	1,200
10-90-7363	Membership & Dues	5,000
10-90-7365	Miscellaneous Expenses	15,000
10-90-7367	Newspaper Notices	15,000
10-90-7371	Office Supplies	13,000
10-90-7373	Outside Printing	4,000
10-90-7375	Postage & Delivery	6,000
10-90-7377	License Fees	1,000
10-90-7379	Recruiting	6,000
10-90-7383	Staff Appreciation	21,000
10-90-7385	Training and Continuing Education	14,500
10-90-7387	Travel Expense	8,000
10-90-7399	Contingency/Uncategorized	100,000
	Total Department: 90 - Admin:	2,608,808
	Total MajorGroup: 79 - Shared Admin Expense:	4,181,924
MajorGroup: 80 - Capital Outlay		
Department: 90 - Admin		
10-90-8001	General Capital Outlay >\$10K, UL 5+	20,000
	Total Department: 90 - Admin:	20,000
	Total MajorGroup: 80 - Capital Outlay:	20,000
MajorGroup: 90 - Other Financing Sources (Uses)		
Department: 90 - Admin		
10-90-9130	Transfer to Facilities Fund	2,500,000
10-90-9140	Transfer to Debt Service Fund	10,000,000
10-90-9141	Transfer to Debt Service Fund-Early Retirement	2,000,000
	Total Department: 90 - Admin:	14,500,000
	Total MajorGroup: 90 - Other Financing Sources (Uses):	14,500,000
	Total Expense:	27,307,524
	Total Fund: 10 - General Fund:	365,476



Fiscal Year 2022 Budget All Funds

For Fiscal: 2021-2022 Period Ending: 09/30/2022

Account Number	Account Name	2021-2022
Fund: 20 - Rate Stabilization Fund		
Revenue		
MajorGroup: 69 - Investment Income, Net		
Department: 90 - Admin		
20-90-6901	Investment Income, Net	45,000
	Total Department: 90 - Admin:	<u>45,000</u>
	Total MajorGroup: 69 - Investment Income, Net:	<u>45,000</u>
	Total Revenue:	<u>45,000</u>
	Total Fund: 20 - Rate Stabilization Fund:	<u>45,000</u>

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Fiscal Year 2022 Budget All Funds

For Fiscal: 2021-2022 Period Ending: 09/30/2022

Account Number	Account Name	2021-2022
Fund: 30 - Facilities Fund		
Revenue		
MajorGroup: 69 - Investment Income, Net		
Department: 90 - Admin		
30-90-6901	Investment Income, Net	75,000
	Total Department: 90 - Admin:	<u>75,000</u>
	Total MajorGroup: 69 - Investment Income, Net:	<u>75,000</u>
MajorGroup: 90 - Other Financing Sources (Uses)		
Department: 90 - Admin		
30-90-9010	Transfer from General Fund	2,500,000
	Total Department: 90 - Admin:	<u>2,500,000</u>
	Total MajorGroup: 90 - Other Financing Sources (Uses):	<u>2,500,000</u>
		Total Revenue: <u>2,575,000</u>
Expense		
MajorGroup: 80 - Capital Outlay		
Department: 10 - Water		
30-10-8012	Leak Detection Prev Maint	50,000
30-10-8040	Mobile Equipment/Large Tools	70,000
30-10-8060	Water Treatment Plant-Uplands	462,500
30-10-8061	Raw Water Intake	325,000
30-10-8062	Crrystal Mountain EST No. 1	30,000
30-10-8066	Southwest Pkwy Pump Station No. 1	125,000
30-10-8067	Home Depot Pump Station No. 2	30,000
30-10-8068	Seven Oaks Pump Station No. 3	12,000
30-10-8069	Bee Cave Pump Station No. 4	82,500
30-10-8072	County Line Pump Station No. 7	90,000
	Total Department: 10 - Water:	<u>1,277,000</u>
Department: 20 - Wastewater		
30-20-8076	Lakepointe WWTP	285,000
30-20-8077	Bohl's WWTP	360,000
30-20-8078	Lift Station No. 1	39,000
30-20-8079	Lift Station No. 2	35,000
30-20-8080	Lift Station No. 3	24,500
30-20-8081	Lift Station No. 4	18,000
30-20-8082	Lift Station No. 5	10,000
30-20-8083	Lift Station No. 6	40,000
30-20-8084	Lift Station No. 7	25,000
30-20-8085	Lift Station No. 8	45,000
30-20-8086	Lift Station No. 9	45,000
30-20-8087	Lift Station No. 10	39,000
30-20-8088	Lift Station No. 11	30,000
30-20-8089	Lift Station No. 12	70,000
30-20-8090	Lift Station No. 14	145,000
30-20-8091	Lift Station No. 15	79,500
30-20-8092	Lift Station No. 16	55,000
30-20-8093	Lift Station No. 17	99,500
30-20-8094	Lift Station No. 18	25,000
30-20-8095	Lift Station No. 19	50,000
30-20-8096	Lift Station No. 20	35,000
30-20-8097	Lift Station No. 21	15,000
30-20-8098	Lift Station No. 22	30,000
	Total Department: 20 - Wastewater:	<u>1,599,500</u>



Fiscal Year 2022 Budget All Funds

For Fiscal: 2021-2022 Period Ending: 09/30/2022

Account Number	Account Name	2021-2022
Department: 40 - Electromechanical		
30-40-8009	SCADA	250,000
30-40-8040	Mobile Equipment/Large Tools	200,000
	Total Department: 40 - Electromechanical:	450,000
 Department: 50 - Line Maintenance		
30-50-8040	Mobile Equipment/Large Tools	196,000
	Total Department: 50 - Line Maintenance:	196,000
 Department: 90 - Admin		
30-90-8004	Uplands WTP Office/Trident Bldg Ph 2	968,350
30-90-8014	Lake Pointe Influent LS Rehab	290,000
30-90-8018	Bohl's WWTP Expansion Ph 2	787,200
	Total Department: 90 - Admin:	2,045,550
	Total MajorGroup: 80 - Capital Outlay:	5,568,050
	Total Expense:	5,568,050
	Total Fund: 30 - Facilities Fund:	(2,993,050)

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Fiscal Year 2022 Budget All Funds

For Fiscal: 2021-2022 Period Ending: 09/30/2022

Account Number	Account Name	2021-2022
Fund: 40 - Debt Service Fund		
Revenue		
MajorGroup: 69 - Investment Income, Net		
Department: 90 - Admin		
40-90-6901	Investment Income, Net	215,000
	Total Department: 90 - Admin:	215,000
	Total MajorGroup: 69 - Investment Income, Net:	215,000
MajorGroup: 90 - Other Financing Sources (Uses)		
Department: 90 - Admin		
40-90-9010	Transfer from General Fund	12,000,000
40-90-9060	Transfer from Water Impact Fee Fund	2,175,924
	Total Department: 90 - Admin:	14,175,924
	Total MajorGroup: 90 - Other Financing Sources (Uses):	14,175,924
	Total Revenue:	14,390,924
Expense		
MajorGroup: 88 - Debt Service		
Department: 90 - Admin		
40-90-8801	Bond Principal	4,410,000
40-90-8802	Bond Interest Expense	7,609,163
40-90-8804	Fiscal Agent Fees	1,200
	Total Department: 90 - Admin:	12,020,363
	Total MajorGroup: 88 - Debt Service:	12,020,363
	Total Expense:	12,020,363
	Total Fund: 40 - Debt Service Fund:	2,370,561

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Fiscal Year 2022 Budget All Funds

For Fiscal: 2021-2022 Period Ending: 09/30/2022

Account Number	Account Name	2021-2022
Fund: 50 - Capital Projects Fund		
Revenue		
MajorGroup: 69 - Investment Income, Net		
Department: 90 - Admin		
50-90-6901	Investment Income, Net	106,000
		Total Department: 90 - Admin: 106,000
		Total MajorGroup: 69 - Investment Income, Net: 106,000
MajorGroup: 90 - Other Financing Sources (Uses)		
Department: 90 - Admin		
50-90-9060	Transfer from Water Impact Fee Fund	20,000,000
		Total Department: 90 - Admin: 20,000,000
		Total MajorGroup: 90 - Other Financing Sources (Uses): 20,000,000
		Total Revenue: 20,106,000
Expense		
MajorGroup: 80 - Capital Outlay		
Department: 10 - Water		
50-10-8101	Uplands WTP Expansion 5 mgd	3,400,000
50-10-8109	System Hydraulic Modeling/Update & Calibration	125,000
50-10-8202	HPR Pump Station GST2	1,686,209
50-10-8204	WBCPS Upgrades	222,000
50-10-8205	1080 Bee Cave TM	5,900,000
50-10-8301	SWPPS Upgrade GST1 Ph 1	1,760,000
50-10-8304	1240 EST	1,047,500
50-10-8309	1340 PS Upgrade	1,920,000
50-10-8312	1340 TM Sawyer RR Extension	1,200,000
50-10-8313	1420 PS Upgrade 290 County Line	670,000
50-10-8315	Circle Drive Pump Station	1,120,000
		Total Department: 10 - Water: 19,050,709
Department: 20 - Wastewater		
50-20-8403	Bohls WWTP Expansion	6,325,000
50-20-8410	BWR & Effluent Disposal Injection Well	517,500
50-20-8411	BWR & Effluent Ph 1 Supply/Reject FMs	1,460,500
		Total Department: 20 - Wastewater: 8,303,000
Department: 90 - Admin		
50-90-8501	Developer Reimbursements	952,931
		Total Department: 90 - Admin: 952,931
		Total MajorGroup: 80 - Capital Outlay: 28,306,640
		Total Expense: 28,306,640
		Total Fund: 50 - Capital Projects Fund: (8,200,640)



Fiscal Year 2022 Budget All Funds

For Fiscal: 2021-2022 Period Ending: 09/30/2022

Account Number	Account Name	2021-2022
Fund: 60 - Impact Fee Fund		
Revenue		
MajorGroup: 60 - Water Revenue		
Department: 10 - Water		
60-10-6007	Impact Fees-71 System	4,913,000
60-10-6008	Impact Fees-290 System	5,088,000
	Total Department: 10 - Water:	10,001,000
	Total MajorGroup: 60 - Water Revenue:	10,001,000
MajorGroup: 69 - Investment Income, Net		
Department: 90 - Admin		
60-90-6901	Investment Income, Net	330,000
	Total Department: 90 - Admin:	330,000
	Total MajorGroup: 69 - Investment Income, Net:	330,000
	Total Revenue:	10,331,000
Expense		
MajorGroup: 90 - Other Financing Sources (Uses)		
Department: 90 - Admin		
60-90-9140	Transfer to Debt Service Fund	2,175,924
60-90-9150	Transfer to Capital Projects Fund	20,000,000
	Total Department: 90 - Admin:	22,175,924
	Total MajorGroup: 90 - Other Financing Sources (Uses):	22,175,924
	Total Expense:	22,175,924
	Total Fund: 60 - Water Impact Fee Fund:	(11,844,924)

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FY 2022 Budget Additions

Item	Requesting Dept	Location	General Fund			Facilities Fund
			Budget Line	Ongoing Cost	One-Time Cost	5 Yr Plan
VT Scada Software & Support	IT	Bohls	Software Licenses	14,000		
Software & Support-Admin	IT		Software Licenses	20,000		
Heavy Equipment Repairs	Line Maintenance		Heavy Equip Repairs	5,000		
Commercial Driver License Training	Line Maintenance		Training & Cont Ed	10,000		
Staff Appreciation	Various		Staff Appreciation	14,200		
Chlorine Test Kits for Trucks	Wastewater	Units 401/503/504/901	Tools	2,000		
Public Relations Consultant	Admin		Other Professional Svc		100,000	
Facility Assessment Consultant	Various	WTP, RWI, Lakepointe, LS#14	Other Professional Svc		100,000	
Refrigerator	Electromechanical	EM Shop	Other		1,000	
Work Bench (Table)	Electromechanical	EM Shop	Other		3,000	
Parts Wash Bin w/Chemical Basin	Electromechanical	EM Shop	Other		3,000	
Gas Powered Chop Saw	Electromechanical	EM Shop	Tools		1,100	
Small Honda Generators (2)	Electromechanical	EM Shop	Tools		2,000	
Plasma Cutter	Electromechanical	EM Shop	Tools		5,000	
Accelerometer Unit with Accessories	Electromechanical	EM Shop	Tools		5,000	
2 Way Radio Communication System	IT	Various	IT Equipment & Tools		30,000	
New Laptops & Tablets Setup	IT	Various	IT Equipment & Tools		40,000	
Server Room Upgrade	IT	WTP	IT Equipment & Tools		12,000	
Battery Backups	IT	WTP	IT Equipment & Tools		28,000	
Refrigerator	Line Maintenance	Bottom Shops	Other		1,000	
Work Bench (Table)	Line Maintenance	Bottom Shops	Other		5,000	
Sonetics Communication System	Line Maintenance	Bottom Shops	Tools		8,600	
Hand Tools & Power Tools	Line Maintenance	Bottom Shops	Tools		15,000	
Large Meters for Stock	Meter Tech	WTP-Meters	Meters		40,000	
Portable Generator	Wastewater	Bohls	Tools		2,000	
Facility Monitoring Cameras & Equipment	Water	RWI	Tools		6,000	
Drone with license & training	Water	WTP	Tools		4,500	
Waste Oil Container	Water	WTP	Other		5,000	
Spare Pump	Electromechanical	Lift Station #1				12,000
Replace Auxiliary Power GenSet	Electromechanical	Lift Station #12				50,000
Replace Auxiliary Power GenSet	Electromechanical	Lift Station #14				65,000
Storage Building	Electromechanical	Lift Station #15				15,000
Control Panel	Electromechanical	Lift Station #15				20,000
Replace Gate and Rolling Cantilever Assembly	Electromechanical	Lift Station #17				15,000
Storage Building	Electromechanical	Lift Station #19				15,000
Storage Building	Electromechanical	Lift Station #22				15,000
Spare Pump	Electromechanical	Lift Station #9				25,000
Replace Unit #2 Process Air Compressor	Electromechanical	WTP				15,000
LAS Chemical Pumps	Electromechanical	WTP				15,500
Rolling Assembly for Large High Service Pumps	Electromechanical	WTP				20,000
Aggregate Material Containment Bays	Line Maintenance	Bee Cave Pump Station				30,000
Equipment Haul Trailer	Line Maintenance	Bottom Shops				10,000
Small Dump Trailer (trade current trailer)	Line Maintenance	Bottom Shops				10,000
15 Light Trailer Mounted Arrow/Message Board	Line Maintenance	Bottom Shops				21,000
Trenchless Horizontal Bore Machine	Line Maintenance	Bottom Shops				30,000
E 35 HP R-Series Bobcat Compact Excavator/Hydraulic	Line Maintenance	Bottom Shops				60,000
Meter Storage Facility	Meter Tech	Bee Cave Pump Station				2,500
Building to House Jet & Vac Trailers & Office	Wastewater	Bohls				150,000
Rehab Filters, Pumps, & Motors	Wastewater	Bohls Spillman Pump Station				75,000
Vapex & Wager Units Preventative Maintenance	Wastewater	Lakepointe				5,000
Replacement of Discharge Piping & Bases	Wastewater	Lift Station #10				25,000
Pipe Insulation	Water	Various				15,000
8x10 Tuff Shed Replacement	Water	WTP				4,500
Relocate Turbidity and Chlorine Monitors	Water	WTP				5,500
Ultrasonic Level Transmitters on Day Tanks	Water	WTP				8,000
Chlorine Regulators	Water	WTP				18,000
Structural Engineer to Inspect LAS Building	Water	WTP				30,000
Filter Media	Water	WTP				35,000
Clean Backwash Lagoons	Water	WTP				40,000
Fork Lift	Water	WTP				70,000
			Total	\$ 65,200	\$ 417,200	\$ 927,000

Summary of Payroll Budget Change

	<u>FY 2021</u>	<u>FY 2022</u>	<u>\$ Change</u>		
Wages - 40 Positions:					
Regular	2,625,963	2,760,832			
Overtime	94,000	98,700			
On Call Pay	26,000	26,000			
Longevity	8,400	15,000			
License	2,500	7,000			
Total Wages	2,756,863	2,907,532	150,669	5.5%	overall increase made up of: 3.5% cost of living up to 2% merit wage scale adjustments for certain positions
Taxes & Benefits:					
Medical	250,352	255,360			
Vision	4,212	4,179			
Dental	13,310	13,310			
FICA	210,900	222,426			
TWC	9,828	10,080			
Group Life/ADD	13,380	14,400			
LTD/STD	29,280	30,000			
TCDRS	289,746	364,023			
Total Taxes & Benefits	821,008	913,778	92,770	1.65%	overall increase % of wages
Add (including taxes & benefits, net):					
2 New Positions		117,549			1 EM Technician, 1 Line Crew
On-Site Pay		132,985			see GM memo
Total Additions		250,534	250,534		
Total	<u>3,577,871</u>	<u>4,071,845</u>	<u>493,974</u>		

Capital Projects Fund Spending Projection

Project	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
System-wide											
System Hydraulic Modeling	125,000										125,000
Uplands WTP Expansion 5 mgd	3,400,000	6,800,000	6,800,000								17,000,000
Uplands WTP Expansion 5 mgd-inflation		204,000	408,000	-	-	-	-	-	-	-	612,000
Uplands WTP Expansion 8 mgd			2,000,000	4,000,000	4,000,000						10,000,000
Uplands WTP Expansion 8 mgd-inflation		-	120,000	360,000	480,000	-	-	-	-	-	960,000
RR 12 16" TM HPR to Fitzhugh				1,124,200	2,248,400	2,248,400					5,621,000
RR 12 16" TM HPR to Fitzhugh-inflation		-	-	101,178	269,808	337,260	-	-	-	-	708,246
TM No. 2 Upsize					698,000	698,000					1,396,000
TM No. 2 Upsize-inflation		-	-	-	83,760	104,700	-	-	-	-	188,460
1340 PS HPR					1,008,000	1,008,000					2,016,000
1341 PS HPR-inflation		-	-	-	120,960	151,200	-	-	-	-	272,160
Additional Water Supply Development					1,000,000						1,000,000
Raw Water Pump Station Expansion Ph 2 7 mgd						540,000	1,080,000	1,080,000			2,700,000
Raw Water Pump Station Expansion Ph 2 7 mgd-inflation		-	-	-	-	81,000	194,400	226,800	-	-	502,200
US290 System											
SW Pkwy PS Upgrade GST2 Ph 2	1,760,000										1,760,000
1340 TM (Sawyer RR Ext)	1,200,000										1,200,000
1340 Pump Station	1,920,000										1,920,000
1420 PS Upgrade 290 Countyline	670,000										670,000
1240 EST	1,047,500	1,047,500									2,095,000
1241 EST-inflation		31,425	-	-	-	-	-	-	-	-	31,425
Circle Drive Pump Station	1,120,000	2,240,000	2,240,000								5,600,000
Circle Drive Pump Station-inflation		67,200	134,400	-	-	-	-	-	-	-	201,600
1240 Conversion Water Line		1,400,000									1,400,000
1241 Conversion Water Line-inflation		42,000	-	-	-	-	-	-	-	-	42,000
30" Parallel TM 2 SWPPS to County Line		3,870,800	7,741,600	7,741,600							19,354,000
30" Parallel TM 2 SWPPS to County Line-inflation		116,124	464,496	696,744	-	-	-	-	-	-	1,277,364
Nutty Brown 12" TM			631,600	1,263,200	1,263,200						3,158,000
Nutty Brown 12" TM-inflation		-	37,896	113,688	151,584	-	-	-	-	-	303,168
SWPPS Modifications				1,500,000							1,500,000
SWPPS Modifications-inflation		-	-	135,000	-	-	-	-	-	-	135,000
Darden Hill Rd 16" WL					1,191,280	2,382,560	2,382,560				5,956,400
Darden Hill Rd 16" WL-inflation		-	-	-	142,954	357,384	428,861	-	-	-	929,198
Fitzhugh Rd 16" TM CLPS to Crumley						1,299,600	2,599,200	2,599,200			6,498,000
Fitzhugh Rd 16" TM CLPS to Crumley-inflation		-	-	-	-	194,940	467,856	545,832	-	-	1,208,628
Hwy 71 Parallel 20" TM Uplands to SWPPS							830,000	1,660,000	1,660,000		4,150,000
Hwy 71 Parallel 20" TM Uplands to SWPPS-inflation		-	-	-	-	-	149,400	348,600	398,400	-	896,400
Fitzhugh Rd 16" TM Crumley to RR12								1,041,500	1,041,500		2,083,000
Fitzhugh Rd 16" TM Crumley to RR12-inflation		-	-	-	-	-	-	218,715	249,960	-	468,675
SH71 System											
1080 Bee Cave Transmission Main	5,900,000										5,900,000
HPR GST 2	1,686,209										1,686,209
West Bee Cave Pump Station Upgrade Ph 3	222,000										222,000
West Bee Cave Pump Station Upgrade Electrical & Pumping				336,000							336,000
West Bee Cave Pump Station Upgrade Electrical & Pumping-inflation		-	-	30,240	-	-	-	-	-	-	30,240
TM No 2 West Bee Cave to HPR						825,792					825,792
TM No 2 West Bee Cave to HPR-inflation		-	-	-	-	123,869	-	-	-	-	123,869

Capital Projects Fund Spending Projection

Project	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Wastewater											
Bohls WWTP Expansion	6,325,000										6,325,000
BWR & Effluent Disposal Injection Well	517,500										517,500
BWR & Effluent Ph 1 Supply/Reject FMs	1,460,500										1,460,500
Bohls Service Area Lift Station & Force Main			780,000								780,000
Bohls Service Area Lift Station & Force Main-inflation		-	46,800	-	-	-	-	-	-	-	46,800
Lime Kiln Interceptor				865,000	865,000						1,730,000
Lime Kiln Interceptor-inflation		-	-	77,850	103,800						181,650
Effluent Disposal Development						2,950,000	2,950,000				5,900,000
Effluent Disposal Development-inflation		-	-	-	-	442,500	531,000				973,500
Developer Reimbursements											
Developer Reimbursements	952,931	3,594,579	550,566	170,147	-	-	-	-	-	-	5,268,223
	<u>\$28,306,640</u>	<u>\$19,413,628</u>	<u>\$21,955,358</u>	<u>\$18,514,847</u>	<u>\$13,626,746</u>	<u>\$13,745,205</u>	<u>\$11,613,277</u>	<u>\$ 7,720,647</u>	<u>\$ 3,349,860</u>	<u>\$ -</u>	<u>\$138,246,207</u>
Capital Projects Fund											
Beginning Fund Balance (as of 7/31/21)	\$21,855,762	\$35,549,122	\$27,135,494	\$15,180,136	\$ 6,665,289	\$ 3,038,543	\$ 293,339	\$ 680,062	\$ 3,959,415	\$ 609,555	
Transfers in from Impact Fee Fund	20,000,000	11,000,000	10,000,000	10,000,000	10,000,000	11,000,000	12,000,000	11,000,000	-	-	
Bond Proceeds	22,000,000										
Expenditures	(28,306,640)	(19,413,628)	(21,955,358)	(18,514,847)	(13,626,746)	(13,745,205)	(11,613,277)	(7,720,647)	(3,349,860)	-	
Ending Fund Balance	<u>\$35,549,122</u>	<u>\$27,135,494</u>	<u>\$15,180,136</u>	<u>\$ 6,665,289</u>	<u>\$ 3,038,543</u>	<u>\$ 293,339</u>	<u>\$ 680,062</u>	<u>\$ 3,959,415</u>	<u>\$ 609,555</u>	<u>\$ 609,555</u>	
Impact Fee Fund											
Beginning Fund Balance (as of 7/31/21)	\$26,973,995	\$16,407,207	\$15,321,581	\$15,222,311	\$15,488,927	\$15,957,051	\$15,905,556	\$15,066,134	\$16,638,052	\$29,519,250	
Water Impact Fee Revenues	8,029,369	8,356,384	8,695,077	9,027,931	9,354,945	9,687,799	10,026,492	11,503,896	11,873,734	12,243,572	
Wastewater Impact Fee Revenues	1,403,843	1,557,990	1,205,653	1,238,685	1,233,180	1,260,706	1,134,085	1,068,022	1,007,464	974,432	
Expenditures					(120,000)					(150,000)	
Transfers to Capital Projects Fund	(20,000,000)	(11,000,000)	(10,000,000)	(10,000,000)	(10,000,000)	(11,000,000)	(12,000,000)	(11,000,000)			
Ending Fund Balance	<u>\$16,407,207</u>	<u>\$15,321,581</u>	<u>\$15,222,311</u>	<u>\$15,488,927</u>	<u>\$15,957,051</u>	<u>\$15,905,556</u>	<u>\$15,066,134</u>	<u>\$16,638,052</u>	<u>\$29,519,250</u>	<u>\$42,587,254</u>	

Facilities Fund Spending Projection

Project	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Uplands WTP Office/Trident Building-Design & Admin	118,350										118,350
Uplands WTP Office/Trident Building-Const	850,000										850,000
SCADA	250,000	250,000	250,000								750,000
Lake Pointe Influent LS Rehab (MEC)	290,000										290,000
Leak Detection Preventative Maintenance	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
Water System Large Maintenance & Repairs - 5 Yr Plan	1,157,000	649,000	266,000	705,000	325,000	400,000	400,000	400,000	400,000	400,000	5,102,000
Wastewater System Large Maintenance & Repairs - 5 Yr Plan	1,599,500	822,000	324,000	307,000	110,000	200,000	200,000	200,000	200,000	200,000	4,162,500
Mobile Equipment/Large Tools - 5 Yr Plan	466,000					500,000					966,000
Bohl's WWTP Expansion Ph 2-Sludge Processing Conversion	787,200	1,574,400	1,574,400								3,936,000
Bohl's WWTP Expansion Ph 3						1,108,000	2,216,000	2,216,000			5,540,000
Lake Pointe Decommissioning									760,000		760,000
BWR Phase 2					1,150,000						1,150,000
Additional Water Supply Development										4,000,000	4,000,000
	\$ 5,568,050	\$ 3,345,400	\$ 2,464,400	\$ 1,062,000	\$ 1,635,000	\$ 2,258,000	\$ 2,866,000	\$ 2,866,000	\$ 1,410,000	\$ 4,650,000	\$28,124,850

Facilities Fund

Beginning Fund Balance (as of 7/31/21)	\$ 8,432,579	\$ 5,364,529	\$ 4,519,129	\$ 4,554,729	\$ 5,992,729	\$ 6,857,729	\$ 7,099,729	\$ 6,733,729	\$ 6,367,729	\$ 7,457,729
Transfers in from General Fund	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000
Expenditures	(5,568,050)	(3,345,400)	(2,464,400)	(1,062,000)	(1,635,000)	(2,258,000)	(2,866,000)	(2,866,000)	(1,410,000)	(4,650,000)
Ending Fund Balance	\$ 5,364,529	\$ 4,519,129	\$ 4,554,729	\$ 5,992,729	\$ 6,857,729	\$ 7,099,729	\$ 6,733,729	\$ 6,367,729	\$ 7,457,729	\$ 5,307,729

West Travis County Public Utility Agency

Operational Facility and Equipment Management Plan

Fiscal Year 2022



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1.01 Water Treatment Plant - Uplands



	2022	2023	2024	2025	2026	Notes
Water Treatment Plant-Uplands						
High Service Pump (HSP) 1						Replaced in 2021, re-evaluate in 2027
High Service Pump (HSP) 2		45,000				
High Service Pump (HSP) 3	45,000					
High Service Pump (HSP) 4				60,000		
High Service Pump (HSP) 5					60,000	
High Service Pump (HSP) 6						Teardown/inspect 2022
Pump 6 Teardown and inspection	15,000					
Pump 6 Variable Frequency Drive (VFD)	25,000					
Pump 6 Control Valve		18,000				
Influent Valve & Actuators Treatment Unit 1			60,000			
Influent Valve & Actuators Treatment Unit 2				60,000		
Unit #2 process air compressor	15,000					
Influent Valve & Actuators Treatment Unit 3	100,000					
Sampling Station		20,000				
Chemical containment sealed	15,000					
CL 10 chlorine analyzer	6,000	6,000	6,000			
16" actuated valve installed on Bayton Dr	50,000					
Rolling assembly for large HSP pumps	20,000					
Replace LAS chemical feed pumps	15,500					
Replace chemical scales-ultrasonic level transmitters	8,000					
Replace chlorine regulators	18,000					
Clean backwash lagoons	40,000					
Pipe insulation	15,000					
Relocate turbidity meters to new building	5,500					
Purchase 8x10 storage, replace old bldg	4,500					
Refill filter media in all filters to proper levels	35,000					
Structural Engineer to Inspect LAS Building	30,000					
Replace fence at front of WTP & remove old fence, gate & signage		175,000				
Total	\$ 462,500	\$ 264,000	\$ 66,000	\$ 120,000	\$ 60,000	

1.02 Raw Water Intake Pump Station



	2022	2023	2024	2025	2026	Notes
Raw Water Intake						
Pump 1				200,000		
Pump 1 Spare Parts	40,000	10,000				
Pump 2					200,000	
Pump 2 Spare Parts	40,000		10,000			
Pump 3						Replace in 2028
Pump 3 Spare Parts	80,000			10,000		
Pump 4	100,000					
Pump 4 Spare Parts		40,000				
Pump 4 Surge Valve	15,000					
Pump 5						Replace in 2028
Pump 5 Spare Parts		40,000				
Pump 5 Surge Valve	15,000					
Cleaning of Wet Well (alternating Wet Wells)	35,000	35,000	35,000	35,000	35,000	
Total	\$ 325,000	\$ 125,000	\$ 45,000	\$ 245,000	\$ 235,000	

2.01 Wastewater Treatment Plant – Lakepointe



	2022	2023	2024	2025	2026	Notes
Lakepointe Wastewater Plant						
Plant 1 Clarifier Drive	150,000					Replace in 2022, re-evaluate in 2037
Plant 2 Clarifier Drive						Replaced in 2018, re-evaluate in 2033
Effluent Pump 1						Dependent on decommission plan
Effluent Pump 1 Control Valve	15,000					
Effluent Pump 2						Dependent on decommission plan
Effluent Pump 2 Control Valve	15,000					
Effluent Pump 3						Dependent on decommission plan
Effluent Pump 3 Control Valve		15,000				
Effluent Pump 4				60,000		
Effluent Pump 4 Control Valve		15,000				
Blower 1 & Control Panel		125,000				
Blower 2			75,000			
Blower 3 & Control Panel				125,000		
Blower 4					75,000	
Influent Pump Control Panel	25,000					
Spare Influent Pump						Purchased in 2021
Rehab Motor Control Center Panel (MCC)			150,000			
Rehab Spillman effluent pump station	75,000					
Vapex & Wager Units Preventative Maintenance	5,000					
Total	\$ 285,000	\$ 155,000	\$ 225,000	\$ 185,000	\$ 75,000	

2.02 Wastewater Treatment Plant – Bohls



	2022	2023	2024	2025	2026	Notes
Bohls Wastewater Plant						
Clarifier Drive						Original, re-evaluate in 2028
Effluent Pump 1	15,000					
Effluent Pump 2		17,000				
Blower 1						Rebuilt in 2020, re-evaluate 2030
Blower 2						Original, re-evaluate in 2026
Blower 3						Original, re-evaluate in 2026
Transfer Pump 1	85,000					
Transfer Pump 1 Control Valve			15,000			
Transfer Pump 2		85,000				
Transfer Pump 2 Control Valve				15,000		
Spare Influent Pump						Purchased in 2021
Replace Influent Pipes	80,000					
Replace MOV's-actuators	30,000					
30 x 40 Building (To house Jet & Vac Trailers & Office)	150,000					
Total	\$ 360,000	\$ 102,000	\$ 15,000	\$ 15,000	\$ -	

3.01 Crystal Mountain Elevated Storage Tank No. 1



	2022	2023	2024	2025	2026	Notes
Crystal Mountain EST No. 1						
Power wash exterior	30,000				30,000	
Total	\$ 30,000	\$ -	\$ -	\$ -	\$ 30,000	

3.02 Dripping Springs Elevated Storage Tank No. 2



No planned costs outside of normal operating budget.

3.03 Bee Cave Elevated Storage Tank No. 3



New facility-no planned costs outside of normal operating budget other than items listed under Bee Cave Pump Station.

4.01 Southwest Parkway Pump Station No. 1



	2022	2023	2024	2025	2026	Notes
Southwest Parkway Pump Station No. 1						
Pump 1				90,000		
Pump 1 Control Valve				20,000		
Pump 2			90,000			
Pump 2 Control Valve						Replaced in 2020
Pump 3		90,000				
Pump 3 Control Valve		20,000				
Pump 4	90,000					
Pump 4 Control Valve	20,000					
Replace HVAC System	15,000					
Replace fill valve & actuator			25,000			
Replace starters				120,000		
Total	\$ 125,000	\$ 110,000	\$ 115,000	\$ 230,000	\$ -	

4.02 Home Depot Pump Station No. 2



	2022	2023	2024	2025	2026	Notes
Home Depot Pump Station No. 2						
Pump 1		25,000				
Pump 1 Control Valve	15,000					
Pump 2			25,000			
Pump 2 Control Valve		15,000				
Pump 3				25,000		
Pump 3 Control Valve			15,000			
Ground Storage Tank 1 Fill Valve	15,000					
Ground Storage Tank 2 Fill Valve		15,000				
Ground Storage Tank 3 Fill Valve						Replaced in 2021
Total	\$ 30,000	\$ 55,000	\$ 40,000	\$ 25,000	\$ -	

4.03 Seven Oaks Pump Station No. 3



	2022	2023	2024	2025	2026	Notes
Seven Oaks Pump Station No. 3						
Spare Pump	12,000					
Total	\$ 12,000	\$ -	\$ -	\$ -	\$ -	

4.04 Bee Cave Pump Station No. 4



	2022	2023	2024	2025	2026	Notes
Bee Cave Pump Station No. 4						
Pump & Motor 1	50,000					
Pump & Motor 2		50,000				
Pump & Motor 3						In progress with CIP project 2021
Pump & Motor 4				85,000		
Aggregate Material Containment Bays	30,000					
Meter Storage Facility	2,500					
Total	\$ 82,500	\$ 50,000	\$ -	\$ 85,000	\$ -	

4.05 Hamilton Pool Pump Station No. 5



Major CIP project completed.
No planned costs outside of normal operating budget.

4.06 Zyle Pump Station No. 6



Site is currently off-line.
No planned costs outside of normal operating budget.

4.07 County Line Pump Station No. 7



	2022	2023	2024	2025	2026	Notes
County Line Pump Station No. 7						
Pump 1						Pump replaced 2021
Pump 2						Pump replaced 2021
Pump 3		25,000				
Pump 3 Control Valve		20,000				
Pump 4	25,000					
Pump 4 Control Valve	20,000					
Metal Storage Building (LM)	30,000					
Replace HVAC System	15,000					
Total	\$ 90,000	\$ 45,000	\$ -	\$ -	\$ -	

5.01 Lift Station No. 1



	2022	2023	2024	2025	2026	Notes
Lift Station No. 1						
Pump 1	12,000					
Pump 2		12,000				
Control Panel	15,000					
Spare Pump	12,000					
Total	\$ 39,000	\$ 12,000	\$ -	\$ -	\$ -	

5.02 Lift Station No. 2



	2022	2023	2024	2025	2026	Notes
Lift Station No. 2						
Pump 1						Replaced in 2021
Pump 1 Motor	20,000					
Pump 2		20,000				
Pump 2 Motor			22,000			
Control Panel	15,000					
Generator (New)		40,000				
Total	\$ 35,000	\$ 60,000	\$ 22,000	\$ -	\$ -	

5.03 Lift Station No. 3



	2022	2023	2024	2025	2026	Notes
Lift Station No. 3						
Pump 1	10,000					
Pump 2						Replaced in 2020
Control Panel						Good condition
Spare Pump	10,000					
Overhead canopy for control panel	4,500					
Total	\$ 24,500	\$ -	\$ -	\$ -	\$ -	

5.04 Lift Station No. 4



	2022	2023	2024	2025	2026	Notes
Lift Station No. 4						
Pump 1						Replaced in 2021
Pump 2					10,000	
Pump 3	10,000					
Control Panel		20,000				
Spare Pump						Purchased in 2021
Check valve repairs	8,000					
Total	\$ 18,000	\$ 20,000	\$ -	\$ -	\$ 10,000	

5.05 Lift Station No. 5



	2022	2023	2024	2025	2026	Notes
Lift Station No. 5						
Pump 1						Replaced in 2021
Pump 2	10,000					
Control Panel				20,000		
Replace fence		10,000				
Total	\$ 10,000	\$ 10,000	\$ -	\$ 20,000	\$ -	

5.06 Lift Station No. 6



	2022	2023	2024	2025	2026	Notes
Lift Station No. 6						
Pump 1	20,000					
Pump 2		20,000				
Control Panel	20,000					
Total	\$ 40,000	\$ 20,000	\$ -	\$ -	\$ -	

5.07 Lift Station No. 7



	2022	2023	2024	2025	2026	Notes
Lift Station No. 7						
Pump 1	10,000					
Pump 2		10,000				
Control Panel	15,000					
Total	\$ 25,000	\$ 10,000	\$ -	\$ -	\$ -	

5.08 Lift Station No. 8



	2022	2023	2024	2025	2026	Notes
Lift Station No. 8						
Pump 1	20,000					
Pump 2						Replaced in 2021
Control Panel						Good condition
Spare Pump	25,000					
Generator (New)		75,000				
Total	\$ 45,000	\$ 75,000	\$ -	\$ -	\$ -	

5.09 Lift Station No. 9



	2022	2023	2024	2025	2026	Notes
Lift Station No. 9						
Pump 1	20,000					
Pump 2		20,000				
Control Panel						Replaced 2021 with rehab project
Spare Pump	25,000					
Generator						Replaced in 2021
Total	\$ 45,000	\$ 20,000	\$ -	\$ -	\$ -	

5.10 Lift Station No. 10



	2022	2023	2024	2025	2026	Notes
Lift Station No. 10						
Pump 1						Evaluate in 2022
Pump 2						Replaced in 2021
Control Panel						New
Spare Pump						Purchased in 2021
Check valve vault repairs	6,500					
Replace fence	7,500					
Replace discharge piping and bases	25,000					
Total	\$ 39,000	\$ -	\$ -	\$ -	\$ -	

5.11 Lift Station No. 11



	2022	2023	2024	2025	2026	Notes
Lift Station No. 11						
Pump 1			15,000			
Pump 2		15,000				
Control Panel						Good condition
Spare Pump	15,000					
Replace shelter & fence	15,000					
Generator (New)		75,000				
Check valve vault repairs		8,000				
Total	\$ 30,000	\$ 98,000	\$ 15,000	\$ -	\$ -	

5.12 Lift Station No. 12



	2022	2023	2024	2025	2026	Notes
Lift Station No. 12						
Pump 1	10,000					
Pump 2				12,000		
Control Panel						Good condition
Spare Pump	10,000					
Generator (permanent)	50,000					
Total	\$ 70,000	\$ -	\$ -	\$ 12,000	\$ -	

5.13 Lift Station No. 14



	2022	2023	2024	2025	2026	Notes
Lift Station No. 14						
Pump 1	50,000					Re-evaluate in 2029
Pump 2		50,000				Re-evaluate in 2029
Pump 3						Replaced in 2020, re-evaluate in 2027
Pump 3 Variable Frequency Drive (VFD)	15,000					
Pump 4						Replaced in 2021, re-evaluate in 2028
Pump 4 Variable Frequency Drive (VFD)	15,000					
Control Station MCC						Good condition
Replace 100hp (current spare) 2016 model				50,000		
Replace Auxiliary Power GenSet	65,000					
Total	\$ 145,000	\$ 50,000	\$ -	\$ 50,000	\$ -	

5.14 Lift Station No. 15



	2022	2023	2024	2025	2026	Notes
Lift Station No. 15						
Pump 1	20,000					
Pump 2		25,000				
Control Panel	20,000					
Spare Pump	20,000					
Overhead canopy for control panel	4,500					
Check valve vault repairs			10,000			
Storage Building	15,000					
Total	\$ 79,500	\$ 25,000	\$ 10,000	\$ -	\$ -	

5.15 Lift Station No. 16



	2022	2023	2024	2025	2026	Notes
Lift Station No. 16						
Pump 1		10,000				
Pump 2	10,000					
Control Panel						Good condition
Spare Pump						Purchased in 2021
Replace Genset	45,000					
Total	\$ 55,000	\$ 10,000	\$ -	\$ -	\$ -	

5.16 Lift Station No. 17



	2022	2023	2024	2025	2026	Notes
Lift Station No. 17						
Pump 1		45,000				
Pump 1 Replace Soft Start				25,000		
Pump 2	45,000					
Pump 2 Replace Soft Start					25,000	
Control Panel						Good condition
Replace Genset	35,000					
Overhead canopy for control panel	4,500					
Replace gate and rolling cantilever assembly	15,000					
Total	\$ 99,500	\$ 45,000	\$ -	\$ 25,000	\$ 25,000	

5.17 Lift Station No. 18



	2022	2023	2024	2025	2026	Notes
Lift Station No. 18						
Pump 1		25,000				
Pump 2			25,000			
Control Panel						Good condition
Spare Pump	25,000					
Check valve vault repairs			12,000			
Total	\$ 25,000	\$ 25,000	\$ 37,000	\$ -	\$ -	

5.18 Lift Station No. 19



	2022	2023	2024	2025	2026	Notes
Lift Station No. 19						
Pump 1	35,000					
Pump 2		35,000				
Control Panel						Good condition
Storage Building	15,000					
Total	\$ 50,000	\$ 35,000	\$ -	\$ -	\$ -	

5.19 Lift Station No. 20



	2022	2023	2024	2025	2026	Notes
Lift Station No. 20						
Pump 1	35,000					
Pump 2		35,000				
Control Panel						Good condition
Total	\$ 35,000	\$ 35,000	\$ -	\$ -	\$ -	

5.20 Lift Station No. 21



	2022	2023	2024	2025	2026	Notes
Lift Station No. 21						
Pump 1	15,000					
Pump 2		15,000				
Control Panel						Good condition
Total	\$ 15,000	\$ 15,000	\$ -	\$ -	\$ -	

5.21 Lift Station No. 22



	2022	2023	2024	2025	2026	Notes
Lift Station No. 22						
Pump 1	15,000					
Pump 2						Replaced in 2021
Control Panel						Good condition
Storage Building	15,000					
Total	\$ 30,000	\$ -	\$ -	\$ -	\$ -	

6.0 Mobile Equipment/Large Tools

	2022	2023	2024	2025	2026
Mobile Equipment/Large Tools Expense					
F-350 Crane Truck (LM)	65,000				
Large Crane Truck (EM)	200,000				
Fork Lift (W)	70,000				
E 35 hp R- Series Compact Excavator/Hydraulic Breaker	60,000				
Haul trailer - equipment (LM)	10,000				
Small dump trailer (LM)	10,000				
Trenchless Horizontal Bore Machine (LM)	30,000				
15 Light Trailer Mounted Arrow/Message Board (LM)	21,000				
Total	\$ 466,000	\$ -	\$ -	\$ -	\$ -

7.0 Summary of Costs

	2022	2023	2024	2025	2026
Summary of Costs					
Water	1,157,000	649,000	266,000	705,000	325,000
Wastewater	1,599,500	822,000	324,000	307,000	110,000
Mobile Equipment/Large Tools	466,000	-	-	-	-
Total	\$ 3,222,500	\$ 1,471,000	\$ 590,000	\$ 1,012,000	\$ 435,000

ITEM D

**ORDER REGARDING AMENDMENTS TO WHOLESALE WATER AND
WASTEWATER RATES**

THE STATE OF TEXAS §
§
COUNTIES OF TRAVIS AND HAYS §

The Board of Directors of the West Travis County Public Utility Agency (the “*WTCPUA*”) met in a regular session, open to the public, after due notice, at City of Bee Cave, City Hall, 4000 Galleria Parkway, Bee Cave, Texas 78738, an official meeting place within the boundaries of the Agency, on August 19, 2021; whereupon the roll was called of the members of the Board of Directors, to wit:

Scott Roberts	President
Jack Creveling	Vice President
Walt Smith	Secretary
Jason Bethke	Director
Clint Garza	Director

All members of the Board were present.

WHEREUPON, among other business conducted by the Board, Director _____ introduced the order set out below and moved its adoption, which motion was seconded by Director _____, and, after full discussion and the question being put to the Board of Directors, said motion was carried by the following vote:

"Aye" ____; "No" ____.

The Order thus adopted is as follows:

WHEREAS, the *WTCPUA* is a public utility agency created by concurrent ordinance of Hays County, the City of Bee Cave, and West Travis County Municipal Utility District No. 5;

WHEREAS, the *WTCPUA* owns and operates its water and wastewater systems (the “*Systems*”) that provide water and/or wastewater service in portions of Travis and Hays Counties, Texas;

WHEREAS, in operating the *Systems*, the *WTCPUA* in part provides wholesale water and/or wastewater service to the following wholesale customers, based upon their existing contracts, as may be amended from time to time:

1. Dripping Springs Water Supply Corporation;
2. Senna Hills Municipal Utility District No. 1;
3. Crystal Mountain Homeowners Association, Inc.;
4. Barton Creek West Water Supply Corporation;
5. Eanes Independent School District;
6. Travis County Municipal Utility District No. 18;
7. Hays County Water Control and Improvement District No. 1;
8. Hays County Water Control and Improvement District No. 2;
9. Lazy Nine Municipal Utility District No. 1A;
10. Deer Creek Ranch Water Company;
11. Reunion Ranch Water Control and Improvement District;
12. Headwaters Municipal Utility District of Hays County;
13. Travis County Municipal Utility District No. 12;
14. Travis County Water Control and Improvement District No. 17; and
15. City of Dripping Springs;

WHEREAS, the WTCPUA's fiscal year ends September 30 of each calendar year; and

WHEREAS, the Board of Directors of the WTCPUA desires to amend its wholesale water and wastewater rates for the following wholesale customers based on their amortization schedule, to be effective October 1, 2021.

NOW THEREFORE, it is ordered by the Board of Directors of West Travis County Public Utility Agency that:

Section 1: The above recitals are true and correct and are incorporated into this Order for all purposes.

Section 2: The Board of Directors of the WTCPUA hereby approves, adopts, and orders that the wholesale water rate for the Dripping Springs Water Supply Corporation shall include a monthly minimum charge of \$21,492.44 and a volumetric rate of \$1.49 per 1,000 gallons, effective October 1, 2021.

Section 3: The Board of Directors of the WTCPUA hereby approves, adopts, and orders that the wholesale water rate for the Travis County Municipal Utility District No. 18 shall include a monthly minimum charge of \$13,113.11 and a volumetric rate of \$1.55 per 1,000 gallons, effective October 1, 2021.

Section 4: The Board of Directors of the WTCPUA hereby approves, adopts, and orders that the wholesale water rate for the Hays County Water Control and Improvement District No. 1 shall include a monthly minimum charge of \$19,478.06 and a volumetric rate of \$1.54 per 1,000 gallons, effective October 1, 2021.

Section 5: The Board of Directors of the WTCPUA hereby approves, adopts, and orders that the wholesale water rate for the Hays County Water Control and Improvement

District No. 2 shall include a monthly minimum charge of \$27,023.66 and a volumetric rate of \$1.65 per 1,000 gallons, effective October 1, 2021.

Section 6: The Board of Directors of the WTCPUA hereby approves, adopts, and orders that the wholesale water rate for the Lazy Nine Municipal Utility District No. 1A shall include a monthly minimum charge of \$38,246.89 and a volumetric rate of \$1.81 per 1,000 gallons, effective October 1, 2021; but such rates do not apply to the Sweetwater subdivision. The Board of Directors of the WTCPUA hereby approves, adopts, and orders that the wholesale water rate for the Sweetwater subdivision shall include a monthly minimum charge of \$2,556.98 and a volumetric rate of \$1.81 per 1,000 gallons, effective October 1, 2021.

Section 7: The Board of Directors of the WTCPUA hereby approves, adopts, and orders that the wholesale water rate for the Deer Creek Ranch Water Company shall include a monthly minimum charge of \$10,939.50 and a volumetric rate of \$1.53 per 1,000 gallons, effective October 1, 2021.

Section 8: The Board of Directors of the WTCPUA hereby approves, adopts, and orders that the wholesale water rate for the Reunion Ranch Water Control and Improvement District shall include a monthly minimum charge of \$13,032.05 and a volumetric rate of \$1.65 per 1,000 gallons, effective October 1, 2021.

Section 9: The Board of Directors of the WTCPUA hereby approves, adopts, and orders that the wholesale water rate for the Travis County Municipal Utility District No. 12 shall include a monthly minimum charge of \$76,866.17 and a volumetric rate of \$1.52 per 1,000 gallons, effective October 1, 2021.

Section 10: The Board of Directors of the WTCPUA hereby approves, adopts, and orders that the wholesale water rate for the Headwaters Municipal Utility District of Hays County shall include a monthly minimum charge of \$23,785.01 and a volumetric rate of \$1.76 per 1,000 gallons, effective October 1, 2021.

Section 11: The Board of Directors of the WTCPUA hereby approves, adopts, and orders that the wholesale water rate for the City of Dripping Springs shall be as follows:

Eastern Service Area and Discovery Golf Course: monthly minimum charge of \$2,529.02 and a volumetric rate of \$1.62 per 1,000 gallons, effective October 1, 2021;

Discovery Residential – Creek Tract Driftwood Austin LLC: monthly minimum charge of \$1,562.30 and a volumetric rate of \$1.62 per 1,000 gallons, effective October 1, 2021; and

Creek Tract, Commercial Area, and Driftwood Investments, Inc.: monthly minimum charge of \$124.30 and a volumetric rate of \$1.62 per 1,000 gallons, effective October 1, 2021;

Section 12: The Board of Directors of the WTCPUA hereby approves, adopts, and orders that the wholesale wastewater rate for the Travis County Municipal Utility District No. 18

shall include a monthly minimum charge of \$28,952.42 and a volumetric rate of \$5.92 per 1,000 gallons, effective October 1, 2021.

Section 13: The Agency's General Manager, Engineer, and General Counsel are authorized to take all actions necessary to carry out the purposes of this Order, including, but not limited to, providing notice of the proposed increases to WTCPUA customers and amending the Tariff.

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PASSED AND APPROVED this 19th day of August, 2021.

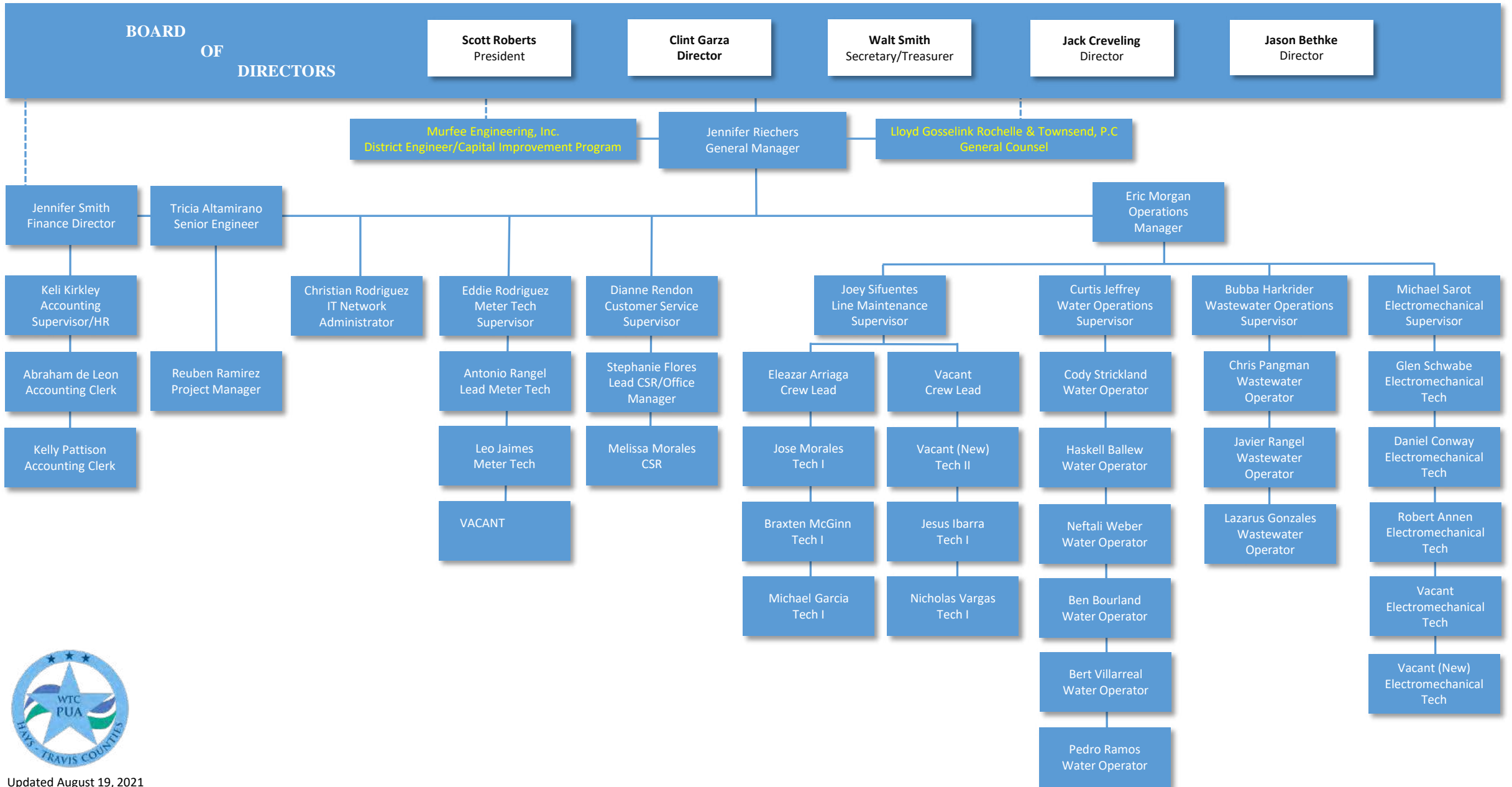
Scott Roberts, President
Board of Directors

ATTEST:

Walt Smith, Secretary
Board of Directors

ITEM E

WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY



ITEM G



Office of the Superintendent

July 8, 2021

West Travis County Public Utility Authority
Attn: Jennifer Riechers, General Manager
13215 Bee Cave Pkwy, Building B, Suite 110
Bee Cave, TX 78738

Re: Request for 15' Wide Waterline Easement Across LTISD Property; Future Vail Divide Right of Way

Dear Ms. Riechers:

This letter responds to the West Travis County Public Utility Authority ("PUA") request that the Lake Travis Independent School District ("District") donate the fifteen foot (15') wide waterline easement across the LTISD property, as described in the attached field notes and survey plat ("Easement").

State law generally prohibits an independent school district from giving away or donating public property; however, the District is willing to grant the requested Easement in exchange for the PUA's binding commitment to provide the District eleven (11) retail water LUEs on the existing Highway 71/Hamilton Pool Road water system.

It is my understanding that if the PUA Board of Directors accepts the District's compensation requirements, the 11 LUEs would be held in reserved status for a period of 5 years by a letter agreement between District and the PUA.

It is also my understanding that the PUA will want the letter agreement to require the District to file a Service Extension Request for the 11 LUEs of water service, in accordance with the PUA's administrative procedures and Rate Tariff and to pay service reservation fees. I understand the proposed letter agreement will contain other provisions yet to be negotiated.

If the terms for the reservation of 11 LUEs of water service are generally acceptable to the PUA, I ask the PUA to prepare the first draft of the proposed letter agreement.

Sincerely,

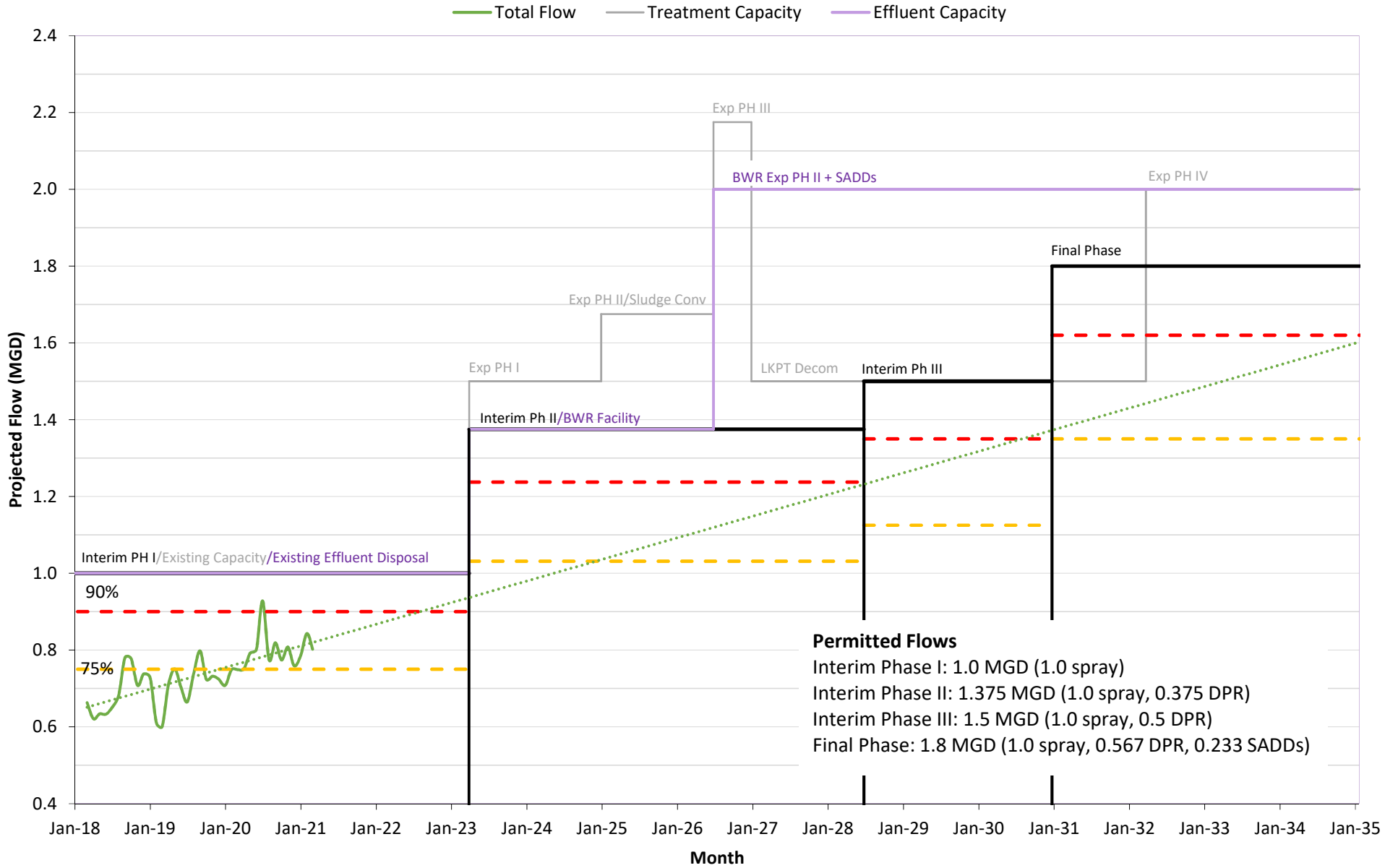
A handwritten signature in black ink, appearing to read "Paul Norton", written over a white background.

Paul Norton

cc: Stephanie Albright, Counsel for WTCPUA

ITEM H

WTCPUA Wastewater 3-Year Total Daily Flow Projection



ITEM I

**ORDER APPROVING AMENDMENTS TO THE
ADMINISTRATIVE FINANCIAL POLICIES
OF THE WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY**

THE STATE OF TEXAS §
 §
COUNTIES OF TRAVIS §
AND HAYS §

WHEREAS, West Travis County Public Utility Agency (the “*Agency*”) is a public utility agency created by concurrent ordinance of Hays County, the City of Bee Cave and Lake Pointe Municipal Utility District, and governed by Chapter 572 of the Texas Local Government Code; and

WHEREAS, the Agency has previously approved policies relating to various financial matters, including account management guidelines (the “Administrative Financial Policies”);

WHEREAS, the Agency desires to amend the Administrative Financial Policies to delete the maximum spending amount in the Impact Fee Fund and to allow the Impact Fee Fund to drop below the \$15M minimum balance with Board approval to facilitate project cost schedules;

NOW THEREFORE, it is ordered by the Board of Directors of the West Travis County Public Utility Agency as follows:

Section 1: The above recitals are true and correct and are incorporated into this Order for all purposes.

Section 2: The Agency’s Board of Directors adopts the amendments to the Administrative Financial Policies, as shown in Attachment A, attached hereto and incorporated herein for all purposes, to delete the maximum spending amount in the Impact Fee Fund and to allow the Impact Fee Fund to drop below the \$15M minimum balance with Board approval to facilitate project cost schedules;

Section 3: The Agency’s Board of Directors authorizes and directs the General Manager and Agency general counsel to take all steps necessary to implement the amendments to the Administrative Financial Policy, as approved.

PASSED AND APPROVED this 19th day of August, 2021.

Scott Roberts
President, Board of Directors

ATTEST:

Walt Smith
Secretary, Board of Directors

ATTACHMENT A
ANNUAL BUDGETING POLICY

West Travis County Public Utility Agency

Administrative Financial Policies

August 19, 2021

Purchasing

The West Travis County Public Utility Agency (Agency) establishes the following purchasing policy to ensure cost effective and efficient procurement of goods and services.

Before any purchases are made the General Manager or his/her designees shall ensure that, per the Agency's Budgeting Policy, proposed purchases are in accordance with approved budget line items. In all purchases, efforts should be made to obtain the best pricing and value for the Agency.

For contracts or purchases for goods, including equipment, materials and machinery over \$75,000, the Board shall require competitive sealed bids, advertise the letting of the contract or purchase, including the general conditions, time, and place of opening of sealed bids. Board approval is required before execution of any contracts.

For contracts or purchases for goods, including equipment, materials, and machinery over \$25,000 but not more than \$75,000, the Agency shall solicit written competitive quotes on uniform written specifications from at least three vendors. Board approval is required before execution of any contracts.

For contracts or purchases for goods, including equipment, materials, and machinery of not more than \$25,000, the Agency is not required to advertise or seek competitive bids or quotes. The General Manager shall have the authority to make purchases of not more than \$25,000 without prior Board approval, provided purchases are made in accordance with the Agency's Budgeting Policy.

Purchase orders shall be required for purchases of goods or services greater than \$10,000 unless prior approval is obtained from the Agency's General Manager.

The above contract provisions do not apply to:

- (1) Equipment, materials, or machinery purchased by the Agency at an auction that is open to the public.
- (2) Contracts for personal or professional services or for a utility service operator.
- (3) Contracts for services or property for which there is only one source or for which it is otherwise impracticable to obtain competition.
- (4) High technology procurements.

- (5) Contracts for the purchase of electricity for use by the Agency.
- (6) Contracts for services related to compliance with a state or federal construction storm water requirement, including acquisition of permits, construction, repair, and removal of temporary erosion control devices, cleaning of silt and debris from streets and storm sewers, monitoring of construction sites, and preparation and filing of all required reports.
- (7) Purchases made through Buy Boards or similar purchasing cooperatives.

If changes in plans or specifications are necessary after the performance of a contract is begun, or if it is necessary to decrease or increase the quantity of the work to be performed or of the materials, equipment, or supplies to be furnished, change orders shall be approved as follows:

The General Manager or his/her designee shall have the authority to approve a change order that involves an increase or decrease of \$25,000 or less or less than 25% of the original contract price without prior Board approval. Change orders of more than \$25,000 or more than 25% of the original contract price shall require prior Board approval.

The Agency is not required to advertise or seek competitive bids for the repair of Agency facilities if the scope or extent of the repair work cannot be readily ascertained or if the nature of the repair work does not readily lend itself to competitive bidding.

The Agency is not required to advertise or seek competitive bids for security or surveillance systems or components of or additions to Agency facilities relating to security or surveillance, including systems used for the prevention of terrorist or criminal acts and incidents or acts of war, if the Board finds that doing so would compromise the safety and security of Agency facilities or residents.

If the Agency experiences an emergency condition that may create a serious health hazard or unreasonable economic loss to the Agency that requires immediate corrective action, the General Manager may negotiate limited duration contracts or make purchases without competitive bidding or obtaining three quotes to remedy the condition. The General Manager shall notify the Board promptly of the emergency and submit to the Board details describing the specific serious health hazard or unreasonable economic loss as soon as practicable following the issuance of the contracts. Whenever possible, the General Manager should obtain prior approval of the Board before authorizing the contract or purchases, but failure to obtain prior approval shall not void the contract or purchases.

Agency Management staff, as designated by the General Manager, shall have the authority to purchase goods or services up to \$5,000 without prior General Manager approval. The Operations Manager shall have the authority to purchase goods or services up to \$10,000 without prior General Manager approval. Purchases may be made by purchase order or credit card.

Agency Supervisory staff, as designated by the General Manager, shall have the authority to purchase goods or services up to \$2,500 without prior Agency Management staff approval and up

to \$5,000 with prior Agency Management staff approval. Purchases may be made by purchase order or credit card.

Credit cards will only be issued to staff as approved by the General Manager. For all purchases made by credit card pursuant to this Purchasing Policy, receipts shall be provided to the Finance Director or designee as soon as practicable following the purchase.

The General Manager or Finance Director may authorize the execution of revolving credit card or purchasing accounts for the purchase of regularly needed goods, materials, services, inventory or supplies per line item budget limits. Items include but are not limited to:

- a. Chemicals.
- b. Utilities.
- c. Meters.
- d. Tools and field supplies.
- e. Office supplies.
- f. Janitorial services.
- g. Repair parts.

The General Manager or Management designees shall have the authority to approve recurring purchases of regularly needed goods, materials, services, inventory or supplies per purchasing policy guidelines and line item budget limits without prior Board approval.

In selecting attorneys, engineers, auditors, financial advisors, or other professional consultants, the Agency shall follow the procedures provided in Subchapter A, Chapter 2254, Government Code (Professional Services Procurement Act). Specifically, the Agency may not select a provider of professional services or a group or association of providers or award a contract for the services on the basis of competitive bids submitted for the contract or for the services, but shall make the selection and award:

- (1) On the basis of demonstrated competence and qualifications to perform the services.
- (2) For a fair and reasonable price.
- (3) The professional fees under the contract may not exceed any maximum provided by law.

A contract for technical, scientific, legal, fiscal, or other professional services must be approved by the Board unless specifically delegated by Board action. The terms and conditions of such a contract, including the terms for payment, are subject to the decision of the Board unless specifically delegated by Board action.

The General Manager or Finance Director may sign checks, execute electronic payments, or authorize payments through the Agency's online payment software for purchases equal to or less than the \$25,000 General Manager purchasing threshold in this Policy.

The General Manager or Finance Director may sign checks, execute electronic payments, or authorize payments through the Agency's online payment software for purchases above the \$25,000 General Manager purchasing threshold in this Policy only after Board approval has been obtained. This \$25,000 check signing threshold may be exceeded for emergency conditions as outlined in this Purchasing Policy or for recurring purchases of regularly needed goods, materials, services, inventory or supplies per purchasing policy guidelines and line item budget limits. The General Manager may approve payments for pay applications for contracts previously approved by the Agency Board of Directors or for regularly scheduled bond payments that are time sensitive with approval from the President of the Board of Directors or Agency Finance Committee member.

The Finance Director is authorized to make inter-fund transfers between Agency bank accounts and execute wire transfers or electronic payments for bond payments, investment policy transactions or equivalent distributions.

A check register detailing all payments made by the Agency and all invoices for purchases which require Board approval, and other invoices requested by the Board, will be provided to the Board at the next regularly scheduled Board meeting. Payments requiring Board approval shall be included on the consent agenda for such approval.

Budgeting

The West Travis County Public Utility Agency (Agency) establishes the following policy concerning the prudent annual budgeting and spending of Agency funds. The intent of this policy is to properly safeguard the financial position of the Agency, establish annual budgeting procedures and develop annual spending guidelines. Furthermore, this policy clarifies the Agency's formal position as to the preparation, adoption, application, and control of the annual budget.

The Agency's annual budget outlines financial resources required to execute the Agency's mission and vision and policies of the Board of Directors. The budget is used as a tool for managing day-to-day financial decision making, directing spending priorities, measuring performance, long-range financial planning, and controlling financial resources. The budget also provides a set of assumptions for annual rate-setting activities.

The Agency maintains annual budgets for the following funds:

1. General Operating Fund.
2. Debt Service Fund.
3. Facilities Fund.
4. Impact Fee Fund(s).
5. Capital Projects Fund.

By law, the Agency is only required to maintain budgets for the General Operating Fund and Impact Fee Fund(s).

In adopting its annual budget, the Agency's Board of Directors shall:

1. Ensure the budget allocates resources to the programs and services that generate the

greatest benefits to the Agency's customers and result in the incremental benefit being greater than the incremental cost.

2. Ensure budgeted expenditures are reasonable and necessary for carrying out the Agency's duties.
3. Conform to all laws in the State of Texas as they relate to the adoption, amendment, and control of the budget.
4. Ensure that annual revenues meet or exceed annual expenses and that required fund balances are met per Board policies and bond covenants.

The budget serves as an operational guideline to Agency staff and sets spending limitations for the entire budget, fund, and *major* individual account line items.

The following guidelines shall be followed for authorization of spending by the Agency:

1. Spending beyond the entire annual budget or more than twenty percent (20%) of a budgeted *major* individual account line item is prohibited without a formal budget amendment adopted by the Agency's Board of Directors, with the exception of emergency situations as defined in the Agency's Purchasing Policy. A major individual account line item is defined as an account having a \$100,000 budget or more. The Finance Director shall have flexible budgeting authority to transfer funds between individual accounts provided that the entire annual budget is not exceeded.
2. Spending within all budget accounts shall be in accordance with the approved Purchasing Policy. The General Manager or his/her designee shall ensure that purchases identify the goods or services to be obtained, fees to be charged for said goods or services, the budgetary account item under which the work is to be performed, and confirmation that appropriate funds exist within the budgeted account(s). A record of the purchase shall be provided to the Agency's Finance Director or designee so that spending can be recorded within the appropriate budget account.
3. To ensure appropriate bookkeeping for each budgeted account, all invoices submitted by the Agency's vendors must provide a description of the goods or services obtained and line item and total pricing. Any invoice which does not provide this information will not be paid until said information has been provided.
4. Use of any funds specifically referenced in Resolutions authorizing the issuance of any Agency bonds must comply with all restrictions imposed by Agency bond covenants.
5. Purchases of property, plant, or equipment worth \$10,000 or more, and with a useful life of greater than 5 years shall be capitalized and added to assets on the Agency's statement of net position, and be subject to depreciation for the duration of the asset's useful life. All other property, plant, or equipment below \$10,000 shall be expensed in the Agency's General Operating Fund Budget or other Fund as appropriate.

Fund Balances

General Operating Fund

West Travis County Public Utility Agency (Agency) establishes the following policy concerning the prudent maintenance of the General Operating Fund balance, which is also referenced as the

Agency's Revenue Fund. This policy was established to properly safeguard the financial position of the Agency against unforeseen financial disruption, to position the Agency to take financial advantage of opportunities to secure needed land or infrastructure at the lowest possible cost and to relieve the Agency of the future financial burden of having to finance day-to-day operations with borrowed capital.

Policy: The Agency will seek to maintain a General Operating Fund balance in an amount equivalent to at least six (6) months of operating and maintenance expenses based upon the current year budget or the prior year actual costs, whichever is greater.

To the extent that the Agency at any time falls below this policy minimum, the Agency General Manager will be required to present a plan to the Board for restoring such reserves to the amount required under this policy. The General Manager will be required to present any plan to restore reserves to the required policy minimum no later than the date of adoption of the budget for the year immediately following any failure to maintain the required level of reserves. The plan shall establish recommendations which will restore the General Operating Fund Balance to the minimum required amount prior to the close of the following fiscal year.

Rate Stabilization Fund

West Travis County Public Utility Agency (Agency) establishes the following policy concerning the prudent maintenance of the Rate Stabilization Fund balance. This policy was established to comply with requirements set forth in bond covenants.

Policy: The Agency may use funds deposited for any lawful purpose, including capital additions and improvements to the System and to enable the Agency to manage rates and charges recommended pursuant to the Participant Agreement; provided, however, that such funds shall be used in the following order of priority:

- (1) For funding of operations and maintenance reserves, in accordance with Prudent Utility Practice, and payment of principal and interest on the Bonds;
- (2) For redemption or defeasance of outstanding Bonds, if economically advantageous in the discretion of the Board of Directors; and
- (3) For transfer to the Facilities Fund for payment of costs of any capital additions and improvements to the System.

Facilities Fund

West Travis County Public Utility Agency (Agency) establishes the following policy concerning the prudent maintenance of the Facilities Fund balance. This policy was established to properly safeguard the financial position of the Agency against unforeseen financial disruption, to position the Agency to take financial advantage of opportunities to secure needed land or infrastructure at the lowest possible cost, to maintain funds to allow the Agency to cash fund capital or facility projects and/or have the funds available for capital improvements which are not otherwise funded with borrowed capital.

Policy: The Agency will seek to transfer into the Facilities Fund from General Operating Fund an amount equivalent to at least \$1,000,000 per year until such time as the Facilities Fund balance is equivalent to 10% of the original booked cost of the Agency's assets.

Facilities Fund monies may be utilized to fund capital or facility projects, capital or facility improvements, capital expenditures, or rehabilitation or major repair projects for Agency facility or fleet assets.

To the extent that Facilities Fund contributions are accumulated through times coverage requirements collected from wholesale customers, Facilities Fund contributions may be utilized solely for regional projects that benefit wholesale customers, to the extent that contributions can be reasonably quantified.

Debt Service Fund

West Travis County Public Utility Agency (Agency) establishes the following policy concerning the prudent maintenance of the Debt Service Fund balance, which is also referenced as the Agency's Bond Fund. This policy was established to properly safeguard the financial position of the Agency against unforeseen financial disruption, and to comply with bond covenants.

Policy: The Agency will maintain a Debt Service Fund balance in an amount equivalent to 100% of the amount required to fully pay the interest on and the principal of the Bond obligations next coming due and payable prior to the next due date. Additionally, the Agency will accumulate and maintain a reserve for the payment of Bond obligations equal to the Average Annual Debt Service Requirements calculated on a fiscal year basis. This required reserve shall be used solely for the payment of the principal of and interest on the Bonds, when and to the extent other funds available for such purposes are insufficient, and in addition, may be used to retire the last stated maturity or interest on any Bond obligation.

To the extent that the Agency at any time falls below this policy minimum, the General Manager will be required to present a plan to the Board for restoring such balance to the amount required under this policy. The General Manager will be required to present any plan to restore reserves to the required policy minimum no later than the date of adoption of the budget for the year immediately following any failure to maintain the required minimum balance. The plan shall establish recommendations which will restore the Debt Service Fund Balance to the minimum required amount within three (3) years.

Capital Projects Fund

West Travis County Public Utility Agency (Agency) establishes the following policy concerning the prudent maintenance of the Capital Projects Fund balance. This policy was established to ensure the proper use of bond proceeds and impact fee funds transferred from the Impact Fee Fund(s).

Policy: The Agency will maintain a Capital Projects Fund to account for the use of bond proceeds and impact fee funds transferred from the Impact Fee Fund(s). All funds shall be used solely to

pay for capital improvements and additions to the System and for developer reimbursement requirements. Any proceeds of the Bonds not used for these purposes shall be transferred to the Debt Service Fund to pay principal and interest on the Bonds.

Impact Fee Fund(s)

West Travis County Public Utility Agency (Agency) establishes the following policy concerning the prudent maintenance of the Impact Fee Fund(s) balance(s). This policy was established to ensure the proper use of impact fee funds collected by the Agency.

Policy: Existing and future impact fees collected may be used for the following purposes:

1. Pursuant to Texas Local Government Code (TLGC) § 395.024(c), impact fee funds may be spent only for the purposes for which the impact fee was imposed as shown by the capital improvements plan and as authorized by this chapter.
2. Impact fee funds may be used to:
 - a) Pay principal and interest on bonded debt for Board approved capital improvement plan (CIP) projects,
 - b) **Cash fund CIP projects**, and
 - c) For redemption or defeasance of bonded debt issued to fund CIP projects.

A minimum fund balance of \$15 million shall be maintained in the Impact Fee Fund(s) **unless Board approval is granted to facilitate project cost schedules.**

Use of Times Coverage Monies

West Travis County Public Utility Agency (Agency) establishes the following policy concerning the prudent utilization of funds collected by the Agency to meet times coverage requirements as may be required by the Agency's bond covenants. This policy was established to properly designate appropriate use of these monies to ensure fairness and equity among the Agency's rate payers.

To the extent times coverage requirements are met through the collection of impact fees, said monies shall be utilized solely for purposes as outlined within Chapter 395 of the Local Government Code and in accordance with the Impact Fee Fund(s) Balance policy.

Times coverage requirements met through the collection of rates and fees other than impact fees, shall be used in the following order:

- (1) To meet General Operating Fund minimum balance requirements.
- (2) To meet Debt Service Fund minimum balance requirements.
- (3) To meet Facilities Fund annual contribution requirements.
- (4) To fund developer reimbursement requirements which are not otherwise funded through other rates, fees, or charges or through other designated Agency Funds. Times coverage funds collected from wholesale customers may not be used for this purpose.

- (5) To cash fund capital projects or build additional reserve funds as deemed necessary by the Agency's Board of Directors.

Investments

West Travis County Public Utility Agency (Agency) establishes the Financial Investment Policy (Attachment A) to ensure Agency funds will be invested in compliance with applicable legal requirements, to set guidelines and investment strategies, to ensure compliance with the restrictions contained in the Agency's bond resolutions. Effective cash management is recognized as a foundation of this Policy.

ATTACHMENT A

WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY

FINANCIAL INVESTMENT POLICY

Adopted March 1, 2012
Revised September 21, 2017
Revised September 19, 2019

ARTICLE I

DEFINITIONS

- 1.01. Agency. “Agency” means West Travis County Public Agency.
- 1.02. Agency Official. “Agency Official” means Agency Director, Officer, Employee or Investment Officer.
- 1.03. Board. “Board” means the Board of Directors of the Agency.
- 1.04. Business Entity. “Business Entity” means a sole proprietorship, partnership, firm corporation, holding company, joint stock company, receivership, trust or any other entity recognized by law through which business is conducted.
- 1.05. Director. “Director” means a person elected or appointed to serve on the Board of Directors of the Agency.
- 1.06. Employee. “Employee” means a person or Business Entity working for or on behalf of the Agency, including any consultant providing services as an independent contractor.
- 1.07. Investment Officer. “Investment Officer” means a person or persons appointed by the Board to handle Agency investments.
- 1.08. Officer. “Officer” means an elected or appointed officer of the Agency, including an Investment Officer.
- 1.09. Pledged Revenue. “Pledged Revenue” means money pledged to the payment of or as security for: (1) bonds or other indebtedness issued by the Agency; (2) obligations under a lease, installment sale, or other agreement of the Agency; or (3) certificate of participation in a debt obligation described by Section 1.09(1) or Section 1.09(2).
- 1.10. Professional Services Procurement Act. “Professional Services Procurement Act” means Subchapter A, Chapter 2254, Texas Government Code, as amended from time to time.
- 1.11. Public Funds Investment Act. “Public Funds Investment Act” means Chapter 2256, Texas

Government Code, as amended from time to time.

- 1.12. Public Funds Collateral Act. “Public Funds Collateral Act” means Chapter 2257, Texas Government Code, as amended from time to time.

ARTICLE II

INVESTMENT POLICY

- 2.01. Scope. This Policy applies to all transactions involving the investment assets of the Agency.
- 2.02. Policy. Agency funds will be invested in compliance with applicable legal requirements, the guidelines stated in this Policy, each Agency Investment Strategy set forth on the attached Exhibit B, and the restrictions contained in the Agency’s bond resolutions. Effective cash management is recognized as a foundation of this Policy. Notwithstanding the foregoing, investment of Agency funds is limited to the types of investments set forth on the attached Exhibit A.
- 2.03. Allowable Maturities. Unless otherwise stated in Exhibit A, the maximum allowable stated maturity of any individual investment may not exceed five years. Settlement of all transactions, other than investments in investment pool funds and mutual funds, must be consummated on a delivery versus payment basis.
- 2.04. Investment Objectives. The Agency’s investment portfolio will be planned and managed to take advantage of investment interest as a source of income from all operating and capital funds. In addition, the portfolio will be managed in accordance with the covenants of the Agency’s bond resolutions, including covenants with respect to the arbitrage regulations under the U.S. Internal Revenue Code. Consideration will be given to the following objectives:
- A. Safety of capital: The primary objective of the Agency is to ensure the preservation and safety of principal.
 - B. Liquidity: The Agency will maintain sufficient liquidity to ensure the availability of funds necessary to pay obligations as they become due.
 - C. Return on investment: The Agency will seek to optimize return on investments within the constraints of safety and liquidity.
 - D. Standard of Care: The Agency will seek to ensure that all persons involved in the investment process act responsibly in the preservation of Agency capital. Agency investments will be made with the exercise of judgment and care, under circumstances then prevailing, which persons of prudence, discretion and

intelligence exercise in the management of their own affairs, not for speculation, but for investment, considering the probable safety of their capital as well as the probable income to be derived.

The Agency shall also follow the investment objectives found in the Investment Strategy set forth on the attached Exhibit B.

- 2.05. Investment Officer(s); Quarterly Report. Purchases and sales of Agency investments may only be initiated by the Investment Officers appointed by resolution of the Board. Any Agency's Investment Officer will be required to attend training, in compliance with the Public Funds Investment Act, from an independent source approved by the Board that includes education in investment controls, security rights, strategy rights, market rights, and compliance with the Public Funds Investment Act. The Board may authorize the Investment Officers to invest and reinvest funds of the Agency in accordance with this Policy. The Investment Officers must submit a written report to the Board on at least a quarterly basis, which sets forth all investment transactions during the previous quarter, and which complies with the requirements of the Public Funds Investment Act.
- 2.06. Acknowledgement Required. Any business that desires to sell investments to the Agency must be given a copy of this Policy, and a principal of the Business Entity must execute a written instrument stating that he or she:
 - A. Has received and thoroughly reviewed this Policy; and
 - B. Acknowledges that his or her organization has implemented reasonable procedures and controls in an effort to preclude "imprudent investment activities" from arising between his or her organization and the Agency.
- 2.07. Collateralization. Funds held at a bank or trust company that are not invested must be at a minimum collateralized by collateral securities set forth in the Public Funds Collateral Act, to the extent not covered by the Federal Deposit Insurance Corporation (FDIC), the Federal Savings and Loan Insurance Corporation (FSLIC), or their successors.
- 2.08. Bond Proceeds and Pledged Revenue. The Agency's Investment Officers may invest bond proceeds or pledged revenue only to the extent permitted by the Public Funds Investment Act, in accordance with:
 - A. Statutory provisions governing the debt issuance or the agreement, as applicable; and
 - B. The Agency's Investment Policy.
- 2.09. Review. This Policy and investment performance and security will be reviewed and evaluated at least annually by the Board, or more frequently upon the request of any Director. Following its annual review, the Board will adopt a written resolution confirming its review of the Policy and the investment strategies contained in this Policy.

ARTICLE III

FINANCIAL MANAGEMENT

- 3.01. Accounting Records. The Agency's financial records will be prepared on a timely basis and maintained in an orderly manner, in conformity with generally accepted accounting principles. These records will be available for public inspection during regular business hours at the Agency's office.
- 3.02. Budget. The Agency will adopt and manage an annual budget for use in planning and controlling Agency costs in accordance with its Budget Policy. This budget will take into consideration all Agency revenues, including utility rates fees, and surcharges, if any, and all projected Agency obligations and expenditures. The Agency manager will provide a comparison of budgeted to actual expenditures and revenues for review on a monthly basis. The approved budget will be reviewed by the Board at least quarterly and all necessary revisions to the budget will be approved by majority vote of the Board.
- 3.03. Other. The Agency's authorized brokers and Agency depositories are set forth on the attached Exhibit C.
- 3.04. Agency Rules and Policies. In addition to this Investment Policy, the Agency will adopt Rules and Policies to provide guidance on the financial management of Agency funds.

EXHIBIT A
AUTHORIZED INVESTMENTS

1. The following obligations of governmental entities and obligations guaranteed by governmental entities are allowed:
 - a. Obligations of the United States or its agencies and instrumentalities;
 - b. Direct obligations of the State of Texas or its agencies and instrumentalities;
 - c. Collateralized mortgage obligations directly issued by the federal government, the underlying security for which is guaranteed by the United States with certain exceptions set forth in the Public Fund Investment Act;
 - d. Other obligations backed by the full faith and credit of the United States; and
 - e. Obligations of states, agencies, counties, cities and other political subdivisions having not less than an “A” rating from a nationally recognized investment rating firm.
2. Certificates of deposit issued by a bank or savings and loan association doing business in Texas guaranteed by the Federal Deposit Insurance Corporation or the obligations set forth above in 1.
3. Repurchase agreements with a defined termination date, secured by obligations set forth in 1 and placed through a primary government securities dealer or a financial institution doing business in Texas.
4. Bankers’ acceptance with a stated maturity of 270 days or less that will be liquidated in full at maturity, is eligible for collateral for borrowing from a Federal Reserve Bank, and is accepted by a bank organized and existing under the laws of the United States or any state, if the short-term obligations of the bank, or of a bank holding company of which the bank is the largest subsidiary, are rated not less than A-1 or P-1 or an equivalent rating by at least one nationally recognized credit rating agency.
5. Commercial paper with a stated maturity of 365 days or less from the date of its issuance, and is rated not less than A-1 or P-1 or an equivalent rating by at least two nationally recognized credit rating agencies, or one nationally recognized credit rating agency and is fully secured by an irrevocable letter of credit issued by a bank organized and existing under the laws of the United States or any state.
6. Corporate bonds which are senior secured debt obligations issued by a domestic business entity and rated not lower than AA- or the equivalent by at least one nationally recognized credit rating agency and have a stated final maturity that is not later than the third anniversary of the date the corporate bonds were purchased.

7. Money market mutual funds that are no-load and: (a) are regulated by the Securities and Exchange Commission (SEC); (b) have provided the Agency with a prospectus and other information required by the Securities Exchange Act of 1934 and the Investment Company Act of 1940; (c) have an average weighted maturity of 90 days or fewer; and (d) have an investment objective of maintaining a stable net asset value of \$1 per share.
8. Other types of mutual funds which are no-load and: (a) are registered with the SEC; (b) have an average weighted maturity of less than 2 years; (c) are invested exclusively in obligations approved by this Act; (d) have a AAA rating; and (e) meet certain requirements of investment pools, as set forth in the Public Funds Investment Act.
9. Public funds investment pools which meet the criteria as set forth in the Public Funds Investment Act, and must be continuously rated no lower than AAA or AAA-m or at an equivalent rating by at least one nationally recognized rating service, and have an investment objective of maintaining a stable net asset value of \$1 per share.

EXHIBIT B
INVESTMENT STRATEGIES

Investment Strategies in order of priority:

A. Investment requirements by fund.

1. General Operating Fund. The Agency will maintain funds in the general checking account at its depository, or any qualified money market fund to cover approximately three months operating requirements. The remaining funds may be deposited into acceptable investments to meet the operating requirements of the Agency, as determined by the annual operating budget adopted by the Board
2. Facilities Fund. The Agency will provide funds in the general checking account at its depository, or any qualified money market fund to meet fund operating requirements. The remaining funds may be deposited into acceptable investments that meet the requirements of this Investment Policy.
3. Rate Stabilization Fund. The Agency will provide funds in the general checking account at its depository, or any qualified money market fund to meet fund operating requirements. The remaining funds may be deposited into acceptable investments that meet the requirements of this Investment Policy.
4. Impact Fee Fund. The Agency will provide funds in the general checking account at its depository, or any qualified money market fund to cover required transfers to the Debt Service Fund or direct payments for capital improvement projects (CIP). The remaining funds may be deposited into acceptable investments that meet the requirements of this Investment Policy.
5. Debt Service Fund. The Agency will provide sufficient funds in the general checking account at its depository, or any qualified money market fund to cover required debt service payments. The remaining funds may be deposited into acceptable investments that meet the requirements of this Investment Policy.
6. Capital Projects Fund. The Agency will provide sufficient funds in the general checking account at its depository, or any qualified money market fund to cover required capital project expense payments. The remaining funds may be deposited into acceptable investments that meet the requirements of this Investment Policy.

B. Suitability. The Agency's Investment Officers must understand the Agency's financial requirements. Appropriate investments will be made to meet the needs of the Agency.

C. Preservation of Capital. A safe investment will allow the Agency to recover every dollar invested.

- D. Liquidity.** The Agency's Investment Officers must invest in securities that are easily and rapidly converted into cash without a substantial loss of value.
- E. Investment Marketability Requirements.** All investments must be "marketable" in case the need arises to liquidate an investment before maturity.
- F. Maximum Maturities.** To the extent possible, the Agency will match its investments with anticipated cash flow requirements. As required by the Public Funds Investment Act and the Agency's Financial Investment Policy, certain investments will have maturity limitations.
- G. Diversification.** There will be no defined level of investment diversification as long as all funds of the Agency are invested in accordance with these strategies.
- H. Yield.** Agency funds must be invested to obtain the maximum yield for each time frame taking into consideration the priority of preservation and safety of the principal and the liquidity of the investment.
- I. Annual Review of Investment Strategies.** The Board will review these strategies at least annually. Any changes deemed necessary by the Board at the time of each review will be reflected in an amendment to these strategies.

EXHIBIT C
LIST OF AUTHORIZED BROKERS

ABC Bank	Herring Bank
Allegiance Bank	Hometown Bank, N.A.
Amegy Bank of Texas, N.A.	Houston Community Bank N.A.
BB & T	Icon Bank
Bank of America N.A.	Independent Bank
Bank of New York- Mellon	International Bank of Commerce
Bank of Texas N.A.	Inter National Bank
BBVA Compass Bank	JP Morgan Chase
Business Bank of Texas	Legacy Texas Bank
Cadence Bank	Lone Star Bank
Capital Bank of Texas	Lone Star Investment Pool
Capital Markets Group	Metro Bank, N.A.
Capital One	Moody National Bank
Central Bank	New First National Bank
Chasewood Bank	North Star Bank of Texas
Citibank N.A.	Omni Bank N.A.
Comerica Bank	Pioneer Bank
Comerica Securities	Plains Capital Bank
Commercial State Bank	Plains State Bank
Community Bank of Texas	Post Oak Bank
Community Trust Bank	Preferred Bank
Coastal Securities	Prosperity Bank
First Bank of Texas	R Bank
First Citizens Bank	Regions Bank
First Financial Bank, N.A.	Southwest Securities
First National Bank of Texas	Sovereign Bank
First State Bank of Central Texas	Spirit of Texas Bank
First Texas Bank	State Bank of Texas
Frost National Bank	State Street Bank & Trust Co.
Green Bank	Sterling Capital Management LLC

Stifel Nicolaus
Tex Star Investment Pool
Texan Bank
Texas Capital Bank N.A.
Texas Class
Texas Citizens Bank
Texas Exchange Bank
Texas First Bank
The Independent Bankers Bank
Texas Savings Bank
Texpool/Texpool Prime
The Bank of River Oaks
The Right Bank for Texas
Third Coast Bank
Trustmark National Bank
United Bank of el Paso Del Norte
United Texas Bank
Unity National Bank
U. S. Bank
Wells Fargo Bank, N.A.
Wells Fargo Brokerage Services, LLC
Wells Fargo Trust
Westbound Bank
West Star Bank
Whitney Bank
Woodforest National Bank

VIII. STAFF REPORTS

ITEM A



General Manager's Report

August 19, 2021

Personnel Updates

Hired new Meter Technician employee, Jonathan Rangel and new Line Maintenance Technician, Jose Morales.

Significant Meeting Updates

7/22/21 Rate Committee meeting.

8/5/21 Impact Fee Advisory Committee meeting.

8/10/21 Attended TCEQ Public Drinking Water Conference

8/11-12 Attended Public Funds Investment Act renewal training

8/18/21 Meeting with City of Dripping Springs and Dripping Springs Water Supply Corporation

8/20/21 Meeting with City of Dripping Springs regarding Anarene Development

Updates

Late Fees/Disconnects

136 delinquent notices were mailed to Hwy. 71 customers on 7/21/21 with a disconnection date of 8/16/21.

170 delinquent notices were mailed to Hwy. 290 customers on 7/6/21 with a disconnection date of 7/27/21. 13 accounts were disconnected due to non-payment.

Published Notice to Bid for Chemicals, Sludge Hauling and Landscape Maintenance for services 10/21-9/23

Executed Utility Conveyance Agreements

Ledgestone Firestone Service Center

Forbes Tract/Skyridge—East Side of Tract

Spillman Ranch Homes (Spillman Towns)

ITEM B



West Travis County Public Utility Agency

Budget Variance Report

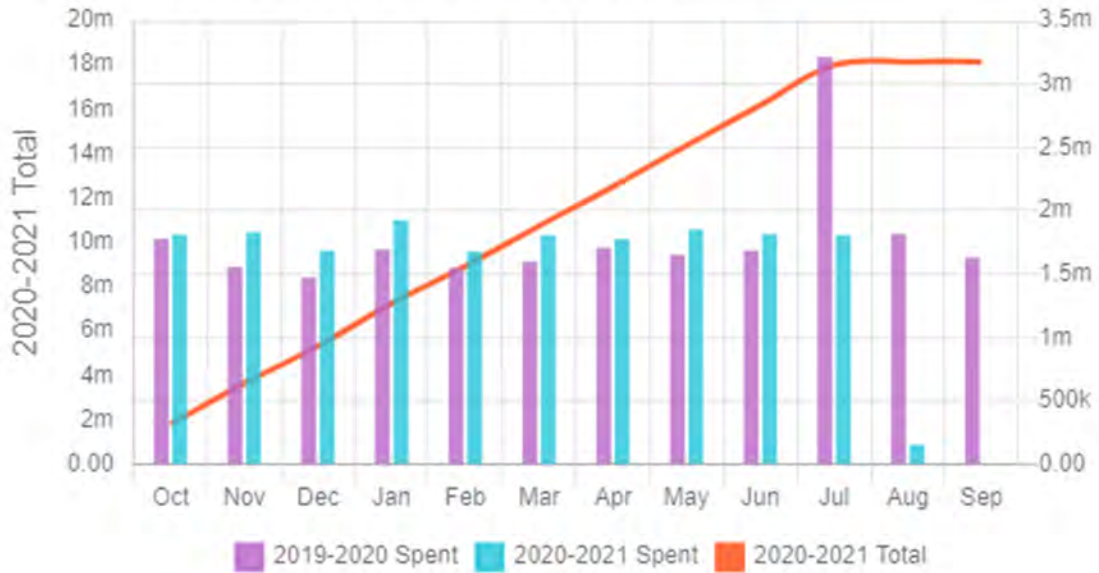
As Of: 07/31/2021

Fund: 10 - General Fund

	CURRENT MONTH			YEAR TO DATE				ANNUAL BUDGET		
	ACTUAL	BUDGETED	VARIANCE	ACTUAL	BUDGETED	VARIANCE	%	TOTAL	REMAINING	%
REVENUE SUMMARY										
Water Revenue	2,087,643.36	2,268,512.00	(180,868.64)	16,036,741.45	14,840,241.00	1,196,500.45	80	20,019,000.00	(3,982,258.55)	20
Wastewater Revenue	437,602.89	378,224.66	59,378.23	3,625,000.37	3,507,778.60	117,221.77	84	4,316,000.00	(690,999.63)	16
SER Project Revenue	40,284.45	126,916.64	(86,632.19)	1,391,489.66	1,269,166.40	122,323.26	91	1,523,000.00	(131,510.34)	9
Other Income	677.42	3,750.00	(3,072.58)	31,369.06	37,500.00	(6,130.94)	70	45,000.00	(13,630.94)	30
Investment Income, Net	6,846.23	10,833.33	(3,987.10)	18,397.30	108,333.30	(89,936.00)	14	130,000.00	(111,602.70)	86
TOTAL REVENUE	2,573,054.35	2,788,236.63	(215,182.28)	21,102,997.84	19,763,019.30	1,339,978.54	81	26,033,000.00	(4,930,002.16)	19
EXPENSE SUMMARY										
Water	359,098.93	447,887.90	88,788.97	3,283,073.11	3,291,949.00	8,875.89	77	4,272,174.00	(989,100.89)	23
Wastewater	139,766.10	152,015.27	12,249.17	1,509,882.37	1,599,931.70	90,049.33	79	1,907,914.00	(398,031.63)	21
Electromechanical	36,132.48	45,546.38	9,413.90	435,081.49	462,863.80	27,782.31	79	554,129.00	(119,047.51)	21
Line Maintenance	45,222.17	57,369.60	12,147.43	565,742.90	588,896.00	23,153.10	80	703,859.00	(138,116.10)	20
SER Projects	26,641.50	13,333.34	(13,308.16)	170,112.31	133,333.40	(36,778.91)	106	160,000.00	10,112.31	-6
Engineering	17,808.30	18,191.58	383.28	183,394.21	182,215.80	(1,178.41)	84	218,686.00	(35,291.79)	16
Customer Service	54,923.42	52,831.46	(2,091.96)	525,607.00	549,114.60	23,507.60	80	654,828.00	(129,221.00)	20
Information Technology	30,494.32	25,663.28	(4,831.04)	291,766.53	344,147.80	52,381.27	74	395,539.00	(103,772.47)	26
Admin	1,098,971.31	1,093,504.65	(5,466.66)	11,042,119.75	11,104,546.50	62,426.75	68	16,341,685.00	(5,299,565.25)	32
Inventory Module	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	
TOTAL EXPENSE	1,809,058.53	1,906,343.46	97,284.93	18,006,779.67	18,256,998.60	250,218.93	71	25,208,814.00	7,202,034.33	29
REVENUE OVER/(UNDER) EXPENDITURE	763,995.82	881,893.17	(117,897.35)	3,096,218.17	1,506,020.70	1,590,197.47		824,186.00	(12,132,036.49)	

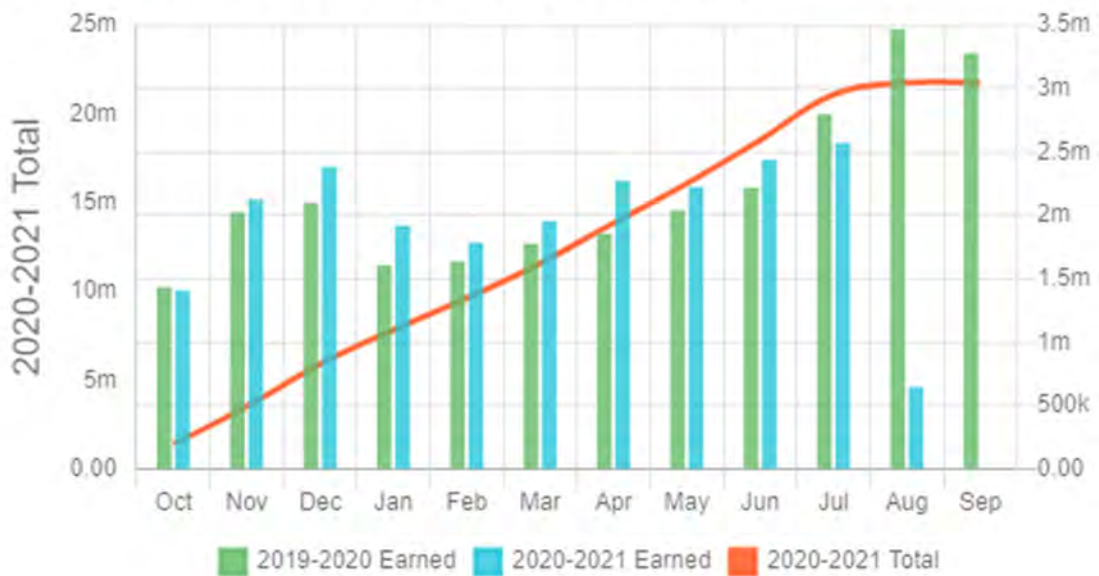
Monthly Expenditure

2020-2021 & 2019-2020 • By Funds • By Department



Monthly Revenue

2020-2021 & 2019-2020 • By Funds • By Department



Balance Sheet-All Funds

Account Summary

As Of 07/31/2021

MajorGroup	10 - General Fund	20 - Rate Stabilization Fund	30 - Facilities Fund	40 - Debt Service Fund	50 - Capital Projects Fund	60 - Impact Fee Fund	Total
Asset							
10 - Cash & Cash Equivalents	\$ 12,004,287	\$ 1,834,409	\$ 2,590,247	\$ 10,690,805	\$ -	\$ 5,986,058	\$ 33,105,806
11 - Investments	3,256,458	3,226,249	6,196,261	13,391,895	26,098,667	30,699,893	82,869,423
12 - Receivables	2,191,783	-	-	-	-	85,685	2,277,468
15 - Due from Other Funds	20,631,070	-	1,882,023	-	4,679,194	284,054	27,476,341
17 - Deposits	16,087	-	-	-	45,438	-	61,525
Total Asset:	\$ 38,099,685	\$ 5,060,658	\$ 10,668,531	\$ 24,082,700	\$ 30,823,299	\$ 37,055,690	\$ 145,790,563
Liability							
30 - Accounts Payable	\$ 370,810	\$ -	\$ 27,751	\$ -	\$ 626,362	\$ -	\$ 1,024,923
31 - Refundable Deposits	1,518,226	-	-	-	-	-	1,518,226
32 - Other Accrued Liabilities	166,128	-	-	-	-	-	166,128
35 - Due to Other Funds	6,845,271	-	2,208,201	-	18,341,175	81,695	27,476,342
Total Liability:	8,900,435	-	2,235,952	-	18,967,537	81,695	30,185,619
Equity							
50 - Fund Balances	26,103,032	4,213,293	8,203,645	14,886,403	18,256,013	35,276,210	106,938,596
Total Beginning Equity:	26,103,032	4,213,293	8,203,645	14,886,403	18,256,013	35,276,210	106,938,596
Total Revenue	21,102,998	847,365	1,709,440	13,099,978	117,567	8,101,863	44,979,211
Total Expense	18,006,780	-	1,480,506	3,903,681	6,517,818	6,404,078	36,312,863
Revenues Over/Under Expenses	3,096,218	847,365	228,934	9,196,297	(6,400,251)	1,697,785	8,666,348
Total Equity and Current Surplus (Deficit):	29,199,250	5,060,658	8,432,579	24,082,700	11,855,762	36,973,995	115,604,944
Total Liabilities, Equity and Current Surplus (Deficit):	\$ 38,099,685	\$ 5,060,658	\$ 10,668,531	\$ 24,082,700	\$ 30,823,299	\$ 37,055,690	\$ 145,790,563

Income Statement-All Funds

Account Summary

For the Period Ending 07/31/2021

	10	20	30	40	50	60	Total
	General Fund	Rate Stabilization Fund	Facilities Fund	Debt Service Fund	Capital Projects Fund	Impact Fee Fund	
Revenue							
60 - Water Revenue	\$ 16,036,741	\$ -	\$ -	\$ -	\$ -	\$ 7,637,718	\$ 23,674,459
61 - Wastewater Revenue	3,625,000	-	-	-	-	325,405	3,950,405
62 - SER Project Revenue	1,391,490	-	-	-	-	-	1,391,490
68 - Other Income	31,370	-	-	-	-	-	31,370
69 - Investment Income, Net	18,397	14,032	29,232	65,875	117,567	138,740	383,843
90 - Other Financing Sources (Uses)	-	833,333	1,680,208	13,034,103	-	-	15,547,644
Revenue Total:	21,102,998	847,365	1,709,440	13,099,978	117,567	8,101,863	44,979,211
Expense							
70 - Water Expense	3,309,257	-	-	-	-	-	3,309,257
71 - Wastewater Expense	1,534,643	-	-	-	-	-	1,534,643
72 - Shared Operations Expense	1,002,327	-	-	-	-	-	1,002,327
74 - SER Project Expense	170,112	-	-	-	-	-	170,112
79 - Shared Admin Expense	2,756,065	-	-	-	-	90,810	2,846,875
80 - Capital Outlay	-	-	1,480,506	-	6,517,818	-	7,998,324
88 - Debt Service	-	-	-	3,903,681	-	-	3,903,681
90 - Other Financing Sources (Uses)	9,234,376	-	-	-	-	6,313,268	15,547,644
Expense Total:	18,006,780	-	1,480,506	3,903,681	6,517,818	6,404,078	36,312,863
Current Surplus (Deficit):	\$ 3,096,218	\$ 847,365	\$ 228,934	\$ 9,196,297	\$ (6,400,251)	\$ 1,697,785	\$ 8,666,348

Project Activity vs Budget Report

Capital Projects Fund

Date Range: 10/01/2020 - 07/31/2021

Project Number	Project Name	Group	Project Type	Status				
50-10-8101	Uplands WTP Expansion Ph 1	Capital Outlay-Projects	CIP-Water-System-Wide	Open				
Expenses				Date Range	Beginning		Ending	Budget
Account Key	Account Name		Total Budget	Budget	Balance	Total Activity	Balance	Remaining
108101	Design & Admin Cost		1,485,000.00	575,000.00	0.00	32,476.25	32,476.25	542,523.75
208101	Construction Cost		12,000,000.00	0.00	0.00	0.00	0.00	0.00
308101	Other Cost		50,000.00	0.00	0.00	0.00	0.00	0.00
	Total Expenses:		13,535,000.00	575,000.00	0.00	32,476.25	32,476.25	542,523.75
	50-10-8101 Total:		13,535,000.00	575,000.00	0.00	32,476.25	32,476.25	542,523.75
50-10-8107	Raw Water Transmission Main #2	Capital Outlay-Projects	CIP-Water-System-Wide	Open				
Expenses				Date Range	Beginning		Ending	Budget
Account Key	Account Name		Total Budget	Budget	Balance	Total Activity	Balance	Remaining
108107	Design & Admin Cost		1,074,344.00	27,685.00	1,046,656.71	29,253.76	1,075,910.47	-1,568.76
208107	Construction Cost		4,899,428.00	178,937.00	4,720,491.00	178,936.97	4,899,427.97	0.03
308107	Other Cost		221,284.00	0.00	221,283.91	0.00	221,283.91	0.00
	Total Expenses:		6,195,056.00	206,622.00	5,988,431.62	208,190.73	6,196,622.35	-1,568.73
	50-10-8107 Total:		6,195,056.00	206,622.00	5,988,431.62	208,190.73	6,196,622.35	-1,568.73
50-10-8108	Raw Water TM #2 Chlorine Injection Im...	Capital Outlay-Projects	CIP-Water-System-Wide	Open				
Expenses				Date Range	Beginning		Ending	Budget
Account Key	Account Name		Total Budget	Budget	Balance	Total Activity	Balance	Remaining
108108	Design & Admin Cost		143,885.00	117,316.00	26,579.57	74,174.06	100,753.63	43,141.94
308108	Other Cost		0.00	0.00	0.00	39.72	39.72	-39.72
	Total Expenses:		143,885.00	117,316.00	26,579.57	74,213.78	100,793.35	43,102.22
	50-10-8108 Total:		143,885.00	117,316.00	26,579.57	74,213.78	100,793.35	43,102.22
50-10-8109	Water Dist System Model Update & Cali...	CPF Other Operational Expense-Water	CIP-Water-System-Wide	Open				
Expenses				Date Range	Beginning		Ending	Budget
Account Key	Account Name		Total Budget	Budget	Balance	Total Activity	Balance	Remaining
108109	Design & Admin Cost		217,000.00	109,520.00	96,255.10	20,846.25	117,101.35	88,673.75
	Total Expenses:		217,000.00	109,520.00	96,255.10	20,846.25	117,101.35	88,673.75
	50-10-8109 Total:		217,000.00	109,520.00	96,255.10	20,846.25	117,101.35	88,673.75
50-10-8110	Additional Water Supply Development	CPF Other Operational Expense-Water	CIP-Water-System-Wide	Open				
Expenses				Date Range	Beginning		Ending	Budget
Account Key	Account Name		Total Budget	Budget	Balance	Total Activity	Balance	Remaining
108110	Design & Admin Cost		1,020,000.00	100,000.00	19,996.65	0.00	19,996.65	100,000.00

Project Activity vs Budget Report

Date Range: 10/01/2020 - 07/31/2021

Project Number	Project Name	Group	Project Type	Status				
		Total Expenses:	1,020,000.00	100,000.00	19,996.65	0.00	19,996.65	100,000.00
		50-10-8110 Total:	1,020,000.00	100,000.00	19,996.65	0.00	19,996.65	100,000.00

50-10-8201		HPR Conversion & Upgrade to 1500 gpm	Capital Outlay-Projects	CIP-Water-71 System	Open			
Expenses	Account Key	Account Name	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
	108201	Design & Admin Cost	100,875.00	19,820.00	82,886.70	16,967.97	99,854.67	2,852.03
	208201	Construction Cost	273,618.00	273,618.00	0.00	273,617.49	273,617.49	0.51
	308201	Other Cost	0.00	0.00	0.00	82.18	82.18	-82.18
		Total Expenses:	374,493.00	293,438.00	82,886.70	290,667.64	373,554.34	2,770.36
		50-10-8201 Total:	374,493.00	293,438.00	82,886.70	290,667.64	373,554.34	2,770.36

50-10-8202		HPR Pump Station GST 2 Ph 1	Capital Outlay-Projects	CIP-Water-71 System	Open			
Expenses	Account Key	Account Name	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
	108202	Design & Admin Cost	187,688.00	127,706.00	59,008.97	24,324.21	83,333.18	103,381.79
	208202	Construction Cost	1,600,000.00	1,600,000.00	0.00	0.00	0.00	1,600,000.00
	308202	Other Cost	0.00	0.00	1,150.00	6,656.50	7,806.50	-6,656.50
		Total Expenses:	1,787,688.00	1,727,706.00	60,158.97	30,980.71	91,139.68	1,696,725.29
		50-10-8202 Total:	1,787,688.00	1,727,706.00	60,158.97	30,980.71	91,139.68	1,696,725.29

50-10-8204		West Bee Cave Pump Station Upgrades	Capital Outlay-Projects	CIP-Water-71 System	Open			
Expenses	Account Key	Account Name	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
	108204	Design & Admin Cost	82,200.00	43,545.00	38,676.12	14,890.29	53,566.41	28,654.71
	208204	Construction Cost	172,000.00	172,000.00	0.00	0.00	0.00	172,000.00
	308204	Other Cost	0.00	0.00	0.00	2,060.01	2,060.01	-2,060.01
		Total Expenses:	254,200.00	215,545.00	38,676.12	16,950.30	55,626.42	198,594.70
		50-10-8204 Total:	254,200.00	215,545.00	38,676.12	16,950.30	55,626.42	198,594.70

50-10-8205		1080 Bee Cave Transmission Main	Capital Outlay-Projects	CIP-Water-71 System	Open			
Expenses	Account Key	Account Name	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
	108205	Design & Admin Cost	710,640.00	333,473.00	259,675.38	134,352.50	394,027.88	199,120.50
	208205	Construction Cost	4,257,000.00	2,128,000.00	0.00	0.00	0.00	2,128,000.00
	308205	Other Cost	0.00	0.00	0.00	3,520.00	3,520.00	-3,520.00
		Total Expenses:	4,967,640.00	2,461,473.00	259,675.38	137,872.50	397,547.88	2,323,600.50
		50-10-8205 Total:	4,967,640.00	2,461,473.00	259,675.38	137,872.50	397,547.88	2,323,600.50

50-10-8207		Home Depot Pump Station Expansion &...	Capital Outlay-Projects	CIP-Water-71 System	Open			
Expenses	Account Key	Account Name	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining

Project Activity vs Budget Report

Date Range: 10/01/2020 - 07/31/2021

Project Number	Project Name	Group	Project Type	Status				
108207	Design & Admin Cost		47,000.00	47,000.00	0.00	0.00	0.00	47,000.00
208207	Construction Cost		241,000.00	241,000.00	0.00	0.00	0.00	241,000.00
	Total Expenses:		288,000.00	288,000.00	0.00	0.00	0.00	288,000.00
	50-10-8207 Total:		288,000.00	288,000.00	0.00	0.00	0.00	288,000.00

50-10-8301		Southwest Pkwy PS GST 1 & 2 Upgrade ...	Capital Outlay-Projects	CIP-Water-290 System	Open				
Expenses	Account Key	Account Name	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining	
	108301	Design & Admin Cost	393,672.00	93,910.00	292,589.95	76,640.92	369,230.87	17,269.08	
	208301	Construction Cost	3,243,069.00	2,969,947.00	273,121.95	1,722,674.39	1,995,796.34	1,247,272.61	
	308301	Other Cost	42,700.00	8,000.00	41,872.24	8,865.86	50,738.10	-865.86	
		Total Expenses:	3,679,441.00	3,071,857.00	607,584.14	1,808,181.17	2,415,765.31	1,263,675.83	
		50-10-8301 Total:	3,679,441.00	3,071,857.00	607,584.14	1,808,181.17	2,415,765.31	1,263,675.83	

50-10-8305		1240 Conversion/Water Line	Capital Outlay-Projects	CIP-Water-290 System	Open				
Expenses	Account Key	Account Name	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining	
	108305	Design & Admin Cost	241,860.00	112,946.00	129,569.07	74,735.00	204,304.07	38,211.00	
	208305	Construction Cost	2,400,000.00	2,400,000.00	0.00	0.00	0.00	2,400,000.00	
	308305	Other Cost	0.00	0.00	0.00	2,664.31	2,664.31	-2,664.31	
		Total Expenses:	2,641,860.00	2,512,946.00	129,569.07	77,399.31	206,968.38	2,435,546.69	
		50-10-8305 Total:	2,641,860.00	2,512,946.00	129,569.07	77,399.31	206,968.38	2,435,546.69	

50-10-8309		1340 Pump Station Upgrade	Capital Outlay-Projects	CIP-Water-290 System	Open				
Expenses	Account Key	Account Name	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining	
	108309	Design & Admin Cost	315,916.00	99,610.00	216,304.78	46,398.45	262,703.23	53,211.55	
	208309	Construction Cost	1,549,710.00	1,549,710.00	0.00	315,011.00	315,011.00	1,234,699.00	
	308309	Other Cost	0.00	0.00	0.00	18,666.05	18,666.05	-18,666.05	
		Total Expenses:	1,865,626.00	1,649,320.00	216,304.78	380,075.50	596,380.28	1,269,244.50	
		50-10-8309 Total:	1,865,626.00	1,649,320.00	216,304.78	380,075.50	596,380.28	1,269,244.50	

50-10-8312		1340 Conversion WL-Sawyer Ranch	Capital Outlay-Projects	CIP-Water-290 System	Open				
Expenses	Account Key	Account Name	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining	
	108312	Design & Admin Cost	110,000.00	30,000.00	67,555.01	37,992.62	105,547.63	-7,992.62	
	208312	Construction Cost	661,000.00	661,000.00	0.00	0.00	0.00	661,000.00	
	308312	Other Cost	31,400.00	19,400.00	31,395.01	17,423.20	48,818.21	1,976.80	
		Total Expenses:	802,400.00	710,400.00	98,950.02	55,415.82	154,365.84	654,984.18	
		50-10-8312 Total:	802,400.00	710,400.00	98,950.02	55,415.82	154,365.84	654,984.18	

50-10-8313		1420 Pump Station Upgrade 290 County...	Capital Outlay-Projects	CIP-Water-290 System	Open				
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Project Activity vs Budget Report

Date Range: 10/01/2020 - 07/31/2021

Project Number	Project Name	Group	Project Type	Status	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
Expenses								
Account Key	Account Name		Total Budget	Date Range Budget				
108313	Design & Admin Cost		92,090.00	57,627.00	34,462.50	15,058.30	49,520.80	42,568.70
208313	Construction Cost		315,000.00	315,000.00	0.00	0.00	0.00	315,000.00
308313	Other Cost		0.00	0.00	0.00	2,016.30	2,016.30	-2,016.30
	Total Expenses:		407,090.00	372,627.00	34,462.50	17,074.60	51,537.10	355,552.40
	50-10-8313 Total:		407,090.00	372,627.00	34,462.50	17,074.60	51,537.10	355,552.40
50-10-8315	Circle Drive Pump Station	Capital Outlay-Projects	CIP-Water-290 System	Open				
Expenses								
Account Key	Account Name		Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
108315	Design & Admin Cost		396,000.00	396,000.00	0.00	67,679.34	67,679.34	328,320.66
208315	Construction Cost		3,564,000.00	0.00	0.00	0.00	0.00	0.00
	Total Expenses:		3,960,000.00	396,000.00	0.00	67,679.34	67,679.34	328,320.66
	50-10-8315 Total:		3,960,000.00	396,000.00	0.00	67,679.34	67,679.34	328,320.66
50-20-8403	Bohls WWTP Expansion	Capital Outlay-Projects	CIP-Wastewater	Open				
Expenses								
Account Key	Account Name		Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
108403	Design & Admin Cost		481,000.00	225,725.00	236,313.45	23,182.50	259,495.95	202,542.50
208403	Construction Cost		4,800,000.00	2,800,000.00	20,503.75	0.00	20,503.75	2,800,000.00
308403	Other Cost		0.00	0.00	4,500.00	0.00	4,500.00	0.00
	Total Expenses:		5,281,000.00	3,025,725.00	261,317.20	23,182.50	284,499.70	3,002,542.50
	50-20-8403 Total:		5,281,000.00	3,025,725.00	261,317.20	23,182.50	284,499.70	3,002,542.50
50-20-8405	Effluent Disposal	CPF Other Operational Expense-Wast...	CIP-Wastewater	Open				
Expenses								
Account Key	Account Name		Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
208405	Construction Cost		590,000.00	590,000.00	0.00	0.00	0.00	590,000.00
	Total Expenses:		590,000.00	590,000.00	0.00	0.00	0.00	590,000.00
	50-20-8405 Total:		590,000.00	590,000.00	0.00	0.00	0.00	590,000.00
50-20-8407	Beneficial Recycling Facility	Capital Outlay-Projects	CIP-Wastewater	Open				
Expenses								
Account Key	Account Name		Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
108407	Design & Admin Cost		475,000.00	151,599.00	323,400.21	2,142.50	325,542.71	149,456.50
208407	Construction Cost		3,485,000.00	1,394,000.00	0.00	0.00	0.00	1,394,000.00
	Total Expenses:		3,960,000.00	1,545,599.00	323,400.21	2,142.50	325,542.71	1,543,456.50
	50-20-8407 Total:		3,960,000.00	1,545,599.00	323,400.21	2,142.50	325,542.71	1,543,456.50
50-99-8501	Developer Reimbursements	Developer Reimbursements	Developer Reimburse...	Open				

Project Activity vs Budget Report

Date Range: 10/01/2020 - 07/31/2021

Project Number	Project Name	Group	Project Type	Status	Beginning	Ending	Budget
Expenses	Account Name		Total Budget	Date Range	Balance	Balance	Remaining
Account Key				Budget			
508501	Developer Reimbursement		7,844,483.00	3,455,471.00	1,440,505.41	3,274,469.21	181,001.79
	Total Expenses:		7,844,483.00	3,455,471.00	1,440,505.41	3,274,469.21	181,001.79
	50-99-8501 Total:		7,844,483.00	3,455,471.00	1,440,505.41	3,274,469.21	181,001.79

Summary

Project Summary

Project Number	Project Name	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
50-10-8101	Uplands WTP Expansion Ph 1	13,535,000.00	575,000.00	0.00	32,476.25	32,476.25	542,523.75
50-10-8107	Raw Water Transmission Main #2	6,195,056.00	206,622.00	5,988,431.62	208,190.73	6,196,622.35	-1,568.73
50-10-8108	Raw Water TM #2 Chlorine Injection Im...	143,885.00	117,316.00	26,579.57	74,213.78	100,793.35	43,102.22
50-10-8109	Water Dist System Model Update & Cali...	217,000.00	109,520.00	96,255.10	20,846.25	117,101.35	88,673.75
50-10-8110	Additional Water Supply Development	1,020,000.00	100,000.00	19,996.65	0.00	19,996.65	100,000.00
50-10-8201	HPR Conversion & Upgrade to 1500 gpm	374,493.00	293,438.00	82,886.70	290,667.64	373,554.34	2,770.36
50-10-8202	HPR Pump Station GST 2 Ph 1	1,787,688.00	1,727,706.00	60,158.97	30,980.71	91,139.68	1,696,725.29
50-10-8204	West Bee Cave Pump Station Upgrades	254,200.00	215,545.00	38,676.12	16,950.30	55,626.42	198,594.70
50-10-8205	1080 Bee Cave Transmission Main	4,967,640.00	2,461,473.00	259,675.38	137,872.50	397,547.88	2,323,600.50
50-10-8207	Home Depot Pump Station Expansion &...	288,000.00	288,000.00	0.00	0.00	0.00	288,000.00
50-10-8301	Southwest Pkwy PS GST 1 & 2 Upgrade ...	3,679,441.00	3,071,857.00	607,584.14	1,808,181.17	2,415,765.31	1,263,675.83
50-10-8305	1240 Conversion/Water Line	2,641,860.00	2,512,946.00	129,569.07	77,399.31	206,968.38	2,435,546.69
50-10-8309	1340 Pump Station Upgrade	1,865,626.00	1,649,320.00	216,304.78	380,075.50	596,380.28	1,269,244.50
50-10-8312	1340 Conversion WL-Sawyer Ranch	802,400.00	710,400.00	98,950.02	55,415.82	154,365.84	654,984.18
50-10-8313	1420 Pump Station Upgrade 290 County...	407,090.00	372,627.00	34,462.50	17,074.60	51,537.10	355,552.40
50-10-8315	Circle Drive Pump Station	3,960,000.00	396,000.00	0.00	67,679.34	67,679.34	328,320.66
50-20-8403	Bohls WWTP Expansion	5,281,000.00	3,025,725.00	261,317.20	23,182.50	284,499.70	3,002,542.50
50-20-8405	Effluent Disposal	590,000.00	590,000.00	0.00	0.00	0.00	590,000.00
50-20-8407	Beneficial Recycling Facility	3,960,000.00	1,545,599.00	323,400.21	2,142.50	325,542.71	1,543,456.50
50-99-8501	Developer Reimbursements	7,844,483.00	3,455,471.00	1,440,505.41	3,274,469.21	4,714,974.62	181,001.79
Report Total:		59,814,862.00	23,424,565.00	9,684,753.44	6,517,818.11	16,202,571.55	16,906,746.89

Group Summary

Group	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
Capital Outlay-Projects	50,143,379.00	19,169,574.00	8,127,996.28	3,222,502.65	11,350,498.93	15,947,071.35
CPF Other Operational Expense-Waste...	590,000.00	590,000.00	0.00	0.00	0.00	590,000.00
CPF Other Operational Expense-Water	1,237,000.00	209,520.00	116,251.75	20,846.25	137,098.00	188,673.75
Developer Reimbursements	7,844,483.00	3,455,471.00	1,440,505.41	3,274,469.21	4,714,974.62	181,001.79
Report Total:	59,814,862.00	23,424,565.00	9,684,753.44	6,517,818.11	16,202,571.55	16,906,746.89

Type Summary

Group	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
CIP-Wastewater	9,831,000.00	5,161,324.00	584,717.41	25,325.00	610,042.41	5,135,999.00
CIP-Water-290 System	13,356,417.00	8,713,150.00	1,086,870.51	2,405,825.74	3,492,696.25	6,307,324.26
CIP-Water-71 System	7,672,021.00	4,986,162.00	441,397.17	476,471.15	917,868.32	4,509,690.85
CIP-Water-System-Wide	21,110,941.00	1,108,458.00	6,131,262.94	335,727.01	6,466,989.95	772,730.99
Developer Reimbursements	7,844,483.00	3,455,471.00	1,440,505.41	3,274,469.21	4,714,974.62	181,001.79
Report Total:	59,814,862.00	23,424,565.00	9,684,753.44	6,517,818.11	16,202,571.55	16,906,746.89

Project Activity vs Budget Report

Facilities Fund

Date Range: 10/01/2020 - 07/31/2021

Project Number	Project Name	Group	Project Type	Status				
30-10-8004	Uplands WTP Office/Trident Building Ph...	Capital Outlay-Projects	Facilities-Water-Rehab...	Open				
Expenses			Date Range	Beginning		Ending	Budget	
Account Key	Account Name		Budget	Balance	Total Activity	Balance	Remaining	
108004	Design & Admin Cost		80,725.00	74,980.00	5,745.00	12,755.00	18,500.00	62,225.00
208004	Construction Cost		850,000.00	850,000.00	0.00	0.00	0.00	850,000.00
308004	Other Cost		1,500.00	1,500.00	0.00	0.00	0.00	1,500.00
	Total Expenses:		932,225.00	926,480.00	5,745.00	12,755.00	18,500.00	913,725.00
	30-10-8004 Total:		932,225.00	926,480.00	5,745.00	12,755.00	18,500.00	913,725.00
30-10-8012	Leak Detection Preventive Maintenance	FAC Other Operational Expense-Water	Facilities-Water-Major...	Open				
Expenses			Date Range	Beginning		Ending	Budget	
Account Key	Account Name		Budget	Balance	Total Activity	Balance	Remaining	
408012	Leak Detection Preventive Maint...		300,000.00	100,000.00	31,910.00	17,500.00	49,410.00	82,500.00
	Total Expenses:		300,000.00	100,000.00	31,910.00	17,500.00	49,410.00	82,500.00
	30-10-8012 Total:		300,000.00	100,000.00	31,910.00	17,500.00	49,410.00	82,500.00
30-10-8013	Permanganate Injection Relocation	Capital Outlay-Projects	Facilities-Water-Rehab...	Open				
Expenses			Date Range	Beginning		Ending	Budget	
Account Key	Account Name		Budget	Balance	Total Activity	Balance	Remaining	
108013	Design & Admin Cost		317,000.00	317,000.00	0.00	23,656.25	23,656.25	293,343.75
308013	Other Cost		0.00	0.00	0.00	24.67	24.67	-24.67
	Total Expenses:		317,000.00	317,000.00	0.00	23,680.92	23,680.92	293,319.08
	30-10-8013 Total:		317,000.00	317,000.00	0.00	23,680.92	23,680.92	293,319.08
30-10-8016	Telecom Improvements btw Uplands W...	Capital Outlay-Projects	Facilities-Water-Rehab...	Open				
Expenses			Date Range	Beginning		Ending	Budget	
Account Key	Account Name		Budget	Balance	Total Activity	Balance	Remaining	
108016	Design & Admin Cost		10,000.00	10,000.00	0.00	7,057.53	7,057.53	2,942.47
208016	Construction Cost		71,800.00	71,800.00	0.00	71,799.20	71,799.20	0.80
	Total Expenses:		81,800.00	81,800.00	0.00	78,856.73	78,856.73	2,943.27
	30-10-8016 Total:		81,800.00	81,800.00	0.00	78,856.73	78,856.73	2,943.27
30-10-8017	Water Treatment Solids Management ...	FAC Other Operational Expense-Water	Facilities-Water-Other	Open				
Expenses			Date Range	Beginning		Ending	Budget	
Account Key	Account Name		Budget	Balance	Total Activity	Balance	Remaining	
408017	Water Treatment Solids Manag...		57,000.00	14,176.00	42,823.75	9,586.25	52,410.00	4,589.75

Project Activity vs Budget Report

Date Range: 10/01/2020 - 07/31/2021

Project Number	Project Name	Group	Project Type	Status				
		Total Expenses:	57,000.00	14,176.00	42,823.75	9,586.25	52,410.00	4,589.75
		30-10-8017 Total:	57,000.00	14,176.00	42,823.75	9,586.25	52,410.00	4,589.75
30-10-8030	Water System Large M&R	FAC Other Operational Expense-Water	Facilities-Water-Major...	Open				
Expenses				Date Range	Beginning		Ending	Budget
Account Key	Account Name		Total Budget	Budget	Balance	Total Activity	Balance	Remaining
408030	Water System Large M&R		3,287,000.00	908,500.00	158,517.20	249,085.14	407,602.34	659,414.86
		Total Expenses:	3,287,000.00	908,500.00	158,517.20	249,085.14	407,602.34	659,414.86
		30-10-8030 Total:	3,287,000.00	908,500.00	158,517.20	249,085.14	407,602.34	659,414.86
30-10-8050	Meters	FAC Other Operational Expense-Water	Facilities-Water-Meters	Open				
Expenses				Date Range	Beginning		Ending	Budget
Account Key	Account Name		Total Budget	Budget	Balance	Total Activity	Balance	Remaining
408050	Meters		890,000.00	125,000.00	61,071.81	204,695.44	265,767.25	-79,695.44
		Total Expenses:	890,000.00	125,000.00	61,071.81	204,695.44	265,767.25	-79,695.44
		30-10-8050 Total:	890,000.00	125,000.00	61,071.81	204,695.44	265,767.25	-79,695.44
30-20-8008	I & I Study & Master Plan	FAC Other Operational Expense-Wast...	Facilities-Wastewater-O...	Open				
Expenses				Date Range	Beginning		Ending	Budget
Account Key	Account Name		Total Budget	Budget	Balance	Total Activity	Balance	Remaining
108008	Design & Admin Cost		400,000.00	200,000.00	222,608.50	22,746.50	245,355.00	177,253.50
		Total Expenses:	400,000.00	200,000.00	222,608.50	22,746.50	245,355.00	177,253.50
		30-20-8008 Total:	400,000.00	200,000.00	222,608.50	22,746.50	245,355.00	177,253.50
30-20-8011	Wastewater Solids Management Master..	FAC Other Operational Expense-Wast...	Facilities-Wastewater-O...	Open				
Expenses				Date Range	Beginning		Ending	Budget
Account Key	Account Name		Total Budget	Budget	Balance	Total Activity	Balance	Remaining
408011	Wastewater Solids Management...		140,735.00	77,488.00	51,868.31	3,440.00	55,308.31	74,048.00
		Total Expenses:	140,735.00	77,488.00	51,868.31	3,440.00	55,308.31	74,048.00
		30-20-8011 Total:	140,735.00	77,488.00	51,868.31	3,440.00	55,308.31	74,048.00
30-20-8014	Lake Pointe Influent LS Rehab	Capital Outlay-Projects	Facilities-Wastewater-R...	Open				
Expenses				Date Range	Beginning		Ending	Budget
Account Key	Account Name		Total Budget	Budget	Balance	Total Activity	Balance	Remaining
108014	Design & Admin Cost		42,640.00	37,057.00	5,583.19	17,027.70	22,610.89	20,029.30
208014	Construction Cost		269,360.00	269,360.00	0.00	0.00	0.00	269,360.00
		Total Expenses:	312,000.00	306,417.00	5,583.19	17,027.70	22,610.89	289,389.30
		30-20-8014 Total:	312,000.00	306,417.00	5,583.19	17,027.70	22,610.89	289,389.30
30-20-8015	Lift Station #9 Rehab	Capital Outlay-Projects	Facilities-Wastewater-R...	Open				
Expenses				Date Range	Beginning		Ending	Budget
Account Key	Account Name		Total Budget	Budget	Balance	Total Activity	Balance	Remaining

Project Activity vs Budget Report

Date Range: 10/01/2020 - 07/31/2021

Project Number	Project Name	Group	Project Type	Status				
108015	Design & Admin Cost		93,000.00	53,748.00	41,088.89	13,565.51	54,654.40	40,182.49
208015	Construction Cost		555,000.00	555,000.00	0.00	555,000.00	555,000.00	0.00
308015	Other Cost		0.00	0.00	0.00	8.32	8.32	-8.32
	Total Expenses:		648,000.00	608,748.00	41,088.89	568,573.83	609,662.72	40,174.17
	30-20-8015 Total:		648,000.00	608,748.00	41,088.89	568,573.83	609,662.72	40,174.17
30-20-8031	Wastewater System Large M&R	FAC Other Operational Expense-Wast...	Facilities-Wastewater-...	Open				
Expenses			Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
Account Key	Account Name							
408031	Wastewater System Large M&R		4,186,000.00	1,158,250.00	15,305.85	129,141.01	144,446.86	1,029,108.99
	Total Expenses:		4,186,000.00	1,158,250.00	15,305.85	129,141.01	144,446.86	1,029,108.99
	30-20-8031 Total:		4,186,000.00	1,158,250.00	15,305.85	129,141.01	144,446.86	1,029,108.99
30-90-8009	SCADA	Capital Outlay-Projects	Facilities-Other	Open				
Expenses			Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
Account Key	Account Name							
408009	SCADA		1,190,000.00	545,000.00	14,103.00	24,935.05	39,038.05	520,064.95
	Total Expenses:		1,190,000.00	545,000.00	14,103.00	24,935.05	39,038.05	520,064.95
	30-90-8009 Total:		1,190,000.00	545,000.00	14,103.00	24,935.05	39,038.05	520,064.95
30-90-8040	Vehicles & Mobile Equipment	Capital Outlay-Other	Facilities-Vehicles & M...	Open				
Expenses			Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
Account Key	Account Name							
408040	Vehicles & Mobile Equipment		1,480,000.00	442,000.00	60,519.08	118,482.00	179,001.08	323,518.00
	Total Expenses:		1,480,000.00	442,000.00	60,519.08	118,482.00	179,001.08	323,518.00
	30-90-8040 Total:		1,480,000.00	442,000.00	60,519.08	118,482.00	179,001.08	323,518.00

Summary

Project Summary

Project Number	Project Name	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
30-10-8004	Uplands WTP Office/Trident Building Ph...	932,225.00	926,480.00	5,745.00	12,755.00	18,500.00	913,725.00
30-10-8012	Leak Detection Preventive Maintenance	300,000.00	100,000.00	31,910.00	17,500.00	49,410.00	82,500.00
30-10-8013	Permanganate Injection Relocation	317,000.00	317,000.00	0.00	23,680.92	23,680.92	293,319.08
30-10-8016	Telecom Improvements btw Uplands W...	81,800.00	81,800.00	0.00	78,856.73	78,856.73	2,943.27
30-10-8017	Water Treatment Solids Management ...	57,000.00	14,176.00	42,823.75	9,586.25	52,410.00	4,589.75
30-10-8030	Water System Large M&R	3,287,000.00	908,500.00	158,517.20	249,085.14	407,602.34	659,414.86
30-10-8050	Meters	890,000.00	125,000.00	61,071.81	204,695.44	265,767.25	-79,695.44
30-20-8008	I & I Study & Master Plan	400,000.00	200,000.00	222,608.50	22,746.50	245,355.00	177,253.50
30-20-8011	Wastewater Solids Management Master...	140,735.00	77,488.00	51,868.31	3,440.00	55,308.31	74,048.00
30-20-8014	Lake Pointe Influent LS Rehab	312,000.00	306,417.00	5,583.19	17,027.70	22,610.89	289,389.30
30-20-8015	Lift Station #9 Rehab	648,000.00	608,748.00	41,088.89	568,573.83	609,662.72	40,174.17
30-20-8031	Wastewater System Large M&R	4,186,000.00	1,158,250.00	15,305.85	129,141.01	144,446.86	1,029,108.99
30-90-8009	SCADA	1,190,000.00	545,000.00	14,103.00	24,935.05	39,038.05	520,064.95
30-90-8040	Vehicles & Mobile Equipment	1,480,000.00	442,000.00	60,519.08	118,482.00	179,001.08	323,518.00
Report Total:		14,221,760.00	5,810,859.00	711,144.58	1,480,505.57	2,191,650.15	4,330,353.43

Group Summary

Group	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining	
Capital Outlay-Other	1,480,000.00	442,000.00	60,519.08	118,482.00	179,001.08	323,518.00	
Capital Outlay-Projects	3,481,025.00	2,785,445.00	66,520.08	725,829.23	792,349.31	2,059,615.77	
FAC Other Operational Expense-Waste...	4,726,735.00	1,435,738.00	289,782.66	155,327.51	445,110.17	1,280,410.49	
FAC Other Operational Expense-Water	4,534,000.00	1,147,676.00	294,322.76	480,866.83	775,189.59	666,809.17	
Report Total:		14,221,760.00	5,810,859.00	711,144.58	1,480,505.57	2,191,650.15	4,330,353.43

Type Summary

Group	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining	
Facilities-Other	1,190,000.00	545,000.00	14,103.00	24,935.05	39,038.05	520,064.95	
Facilities-Vehicles & Mobile Equipment	1,480,000.00	442,000.00	60,519.08	118,482.00	179,001.08	323,518.00	
Facilities-Wastewater-Major Maintenanc...	4,186,000.00	1,158,250.00	15,305.85	129,141.01	144,446.86	1,029,108.99	
Facilities-Wastewater-Other	540,735.00	277,488.00	274,476.81	26,186.50	300,663.31	251,301.50	
Facilities-Wastewater-Rehab/Upgrade P...	960,000.00	915,165.00	46,672.08	585,601.53	632,273.61	329,563.47	
Facilities-Water-Major Maintenance & ...	3,587,000.00	1,008,500.00	190,427.20	266,585.14	457,012.34	741,914.86	
Facilities-Water-Meters	890,000.00	125,000.00	61,071.81	204,695.44	265,767.25	-79,695.44	
Facilities-Water-Other	57,000.00	14,176.00	42,823.75	9,586.25	52,410.00	4,589.75	
Facilities-Water-Rehab/Upgrade Project	1,331,025.00	1,325,280.00	5,745.00	115,292.65	121,037.65	1,209,987.35	
Report Total:		14,221,760.00	5,810,859.00	711,144.58	1,480,505.57	2,191,650.15	4,330,353.43

ITEM C



WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY

13215 Bee Cave Parkway
 Building B, Suite 110
 Bee Cave, Texas 78738
 Office: 512/263-0100
 Fax: 512/263-2289
 wtcpua.org

Operations Report

August 12, 2021

Executive Summary

During the Month of July, all facilities performed well with no environmental compliance issues. Staff continues to successfully perform corrective and preventative maintenance on all facility equipment and machinery.

Environmental Compliance

All TCEQ compliance parameters were within State limits during the Month of July 2021. Please see the below process control summaries for the Water Treatment Plant and both Wastewater Treatment Plants.

Water and Wastewater Process Summary: July 2021

Water Treatment Plant	Actual
AVG Raw Water	11.868 MGD
AVG Treated Water	11.549 MGD
PEAK Treated Water	15.504 MGD
-AVG CFE Turbidity	0.07 NTU
AVG Chlorine	2.62 mg/L

Lake Point WWTP	Actual	Permit Limit
AVG Flow	0.503 MGD	0.675 MGD
MAX Flow	0.586 MGD	
AVG CBOD	1.00 mg/l	5 mg/l
AVG Fec.Coli	1.00 mg/l	20 mg/L
AVG NH3	0.05 mg/l	2 mg/L
AVG Turbidity	1.03 mg/l	3 mg/L

Bohls WWTP	Actual	Permit Limit
AVG Flow	0.282 MGD	0.325 MGD
MAX Flow	0.404 MGD	
AVG CBOD	1.25 mg/l	5 mg/L
AVG Fec.Coli	1.33 mg/l	20 mg/L
AVG NH3	0.05 mg/l	2 mg/L
AVG Turbidity	1.05 mg/l	3 mg/L

Electromechanical Department Update

Water Treatment Plant

- Electrical portion of the Raw water line #2 chlorine injection line project is 95% complete.
- High Service Pump #1 has been installed.
 - Issues with bearing temperatures are being worked out.

Raw Water Intake

- Pump #4 VFD PM (per the 5-year plan) is being submitted for approval in the current meeting.

Pump Station #3

- Spare pumps ordered (per 5-year plan)

Lakepointe WWTP

- Ordered Influent pump (Per the 5-year plan).
- Bar screen repairs are in progress.
 - *The delayed expected ship date is August 30th.
- Ordered EQ pumps for Plant 1&2.

Bohls WWTP

- Ordered Influent pump (Per the 5-year plan).

Lift Station #9

- Generator (per the 5-year plan) is being submitted for approval in the current meeting.

Lift Station #10

- Installed new pumps per 5-year plan.

Line Maintenance Department Update

New Water Taps/ Connections:

- 12315 Trail Driver St.
- 8323 Charl Cv.
- 607 W. Creek Dr

Leak repairs:

Appaloosa Dr. – Repaired auto-flush valve

13317 Fitzhugh – Repaired leaking angle stop on service line

3544 RR 620 S – Repaired service line leak. Water remains off due to leak on customer side. Off t valve & angle stop.

Misc. repairs/projects:

- Excavated and installed 1 inch electrical conduit for CCNG RWL valve control wiring.
- Finished up cleanup and dirt work inside of water plant in areas excavated for the chlorine line installation and installed loam outside along the fence area in front of the WTP. Put out grass seed in the areas.

ITEM D

MURFEE ENGINEERING COMPANY, INC.

Texas Registered Firm No. F-353
1101 Capital of Texas Hwy., South, Bldg, D
Austin, Texas 78746
(512) 327-9204

M E M O R A N D U M

DATE: August 11th 2021

TO: **BOARD OF DIRECTORS – WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY**

FROM: George Murfee, P.E.

RE: Engineer's Report –August 2021

CC: Jennifer Riechers – WTCPUA General Manger

MEC File No.: 11051.155

Current Issues

Wastewater Flow

An updated figure tracking wastewater flows is attached.

Raw and Treated Water Flows

Figures are attached. Trends are in line with expectations.

CIP

A written summary of all CIP projects that are currently underway is provided below with a Gantt chart schedule attached.

Water-System Wide

Beneficial Water Recycling Project

A draft pilot protocol has been completed and is under review. The location of the facility is in flux due to the direction to study the potential to decommissioning of the Lake Pointe WWTP and replace with sufficient capacity at the Bohls site to meet future wastewater production of the sewershed, as well as the stumbling blocks associated with co-locating the BWR facility with the WWTP at the Bohls site. In order to move forward with the design a location for the facility must be selected. We are currently considering an undeveloped parcel near the intersection of Hwy 620 as a potential location

Additional sampling has been requested by the TCEQ, one sample to be taken now and another during the piloting effort. The first sampling effort is complete and the results will be submitted with the pilot protocol.

Impact Fee Study 2021

The Land Use Assumptions & Capital Improvement Plan Report has been completed.

Permanganate Chemical Feed Relocation

The TCEQ has approved the permanganate injection design inside of the raw water intake pipes. Project is currently out to bid. Bid open is August 24th.

Raw Water Transmission Main No. 2

The pipeline and fiber optic portions of the project are in place. Irrigation repair work along Bee Cave Road is complete; and final site restoration/clean-up and the last items of the general punch list are in process of being addressed. Fiscal issues are also being addressed.

Raw Water Transmission Main No. 2 Chlorine Injection Improvements

Record drawings have been completed with the help of the PUA. TCEQ approved plans June 22nd and CT Study approval anticipated soon.

Uplands Water Treatment Plant Preliminary Engineering Report

Draft updated PER including membrane treatment is completed. The executive summary is included as an attachment to this report.

Water Model Update and Calibration

We are reviewing the skeletonized pipe network to ensure it. The original LCRA model is also receiving updates and being utilized for evaluating possible system expansions.

Water – SH71 System

1080 Transmission Main

MEC is continuing coordination with Capital Surveying and Spitzer & Associates to secure right of entry (ROE) and easements for various parcels of 1080 transmission main alignment, specifically west of Highway 620. Design plan and profile sheets are being developed for the portion of the alignment east of Highway 620. MEC plans to submit the first segment of the project to the City of Bee Cave and TXDOT next month for review.

Hamilton Pool Road Pump Station GST No. 2

MEC is advertising the project, accepting bids in August, and will have recommendations for award at the September Board meeting.

Hamilton Pool Road 16" Water Line 2

The preliminary alignment has been identified while MUD 22 is working on securing easements. MEC conducted a meeting to discuss easements with the MUD 22 Developer, to facilitate the easement acquisitions.

West Bee Cave Pump Station Expansion

The project is under construction and MEC is reviewing TTE's submittals for approval.

Water – US290 System

1240 Conversion Waterline

We submitted site development plans to Travis County and the City of Austin to begin the review phase. We continue coordinating with interested stakeholders affected by the future construction project for potential route changes to minimize community disturbance.

1340 Pump Station

Payton Construction has started Phase II of the project involving the construction of the building. The pump station remains offline and the 1340 elevated storage tank is being filled through the 1420 interconnect. Pedernales Electric easements have been signed and construction fees have been paid. We will have the easements surveyed after the new transformers are installed to record the PEC facilities' installed locations.

1420 Pump Station Expansion

B-5 submittals under review and construction fees for the forthcoming PEC work have been paid.

Circle Drive PS and GST

Design work has commenced and survey completed. Final plat to be prepared and site plan issues are being identified. Additional property or easement will be required.

Sawyer Ranch 1340 Conversion Water Main

Plans are approved by all parties. We have begun advertising for bids; bid opening is set for August 19, 2021.

Southwest Parkway Pump Station Expansion

Ground Storage Tank (GST) 1 was put in service on March 16th. GST2 has been erected and contractor working on final stages of structural placement. Pipe tie-ins and earthwork to follow. Final completion anticipated for October 2021.

Wastewater

Bohls WWTP Expansion Design

The design is ongoing and considerations for the future decommissioning of the Lake Pointe Plant are being integrated into the design. The design will also include the sludge dewatering system recommended in the Wastewater Solids Management Master Plan.

Wastewater Solids Management Master Plan

Specifications are being developed for competitive bidding to procure the recommended dewatering equipment. A complete solids management system will be included with in the design of the Bohls expansion. Plans for the solids produced at the Lake Pointe WWTP are under consideration – there is a significant possibility that the Lake Pointe WWTP will be decommissioned and neither solids dewatering nor sludge pumping will be required at the site. This is being taken into consideration as part of the design of the Bohls WWTP Expansion.

Other Projects

Developing Risk and Resilience Assessment & Emergency Response Plan for WTCPUA

MEC has completed and certified the Risk and Resilience Assessment on June 29th, 2021. As per America’s Water Infrastructure Act of 2018 (AWIA), MEC is working on the Emergency Response Plan that is due on December 29th, 2021.

Fitzhugh Water Line Relocation

MEC has begun the waterline design and anticipates the initial set of plans for preliminary review in September.

Lake Pointe Influent Lift Station Rehabilitation

Operations staff noted significant deterioration of the influent lift station lining, interior concrete surfaces, and internal piping. Damage and need for repairs was determined to be more extensive than could be addressed in house. A site visit has been completed with operations and maintenance as well as one with a liner system installer. Design is currently underway and drawings in development in coordination with the proposed liner manufacturer

Lift Station 9 Rehabilitation

The lift station is operational and controls and electrical equipment was started on April 30th. The final pay application is being submitted for approval with this packet.

WTCPUA PRIORITY PROJECTS

ID	Task Mode	Phase Status	Task Name	Duration	Start	Finish	Timeline											
							2, 2021	Qtr 3, 2021	Qtr 4, 2021	Qtr 1, 2022	Qtr 2, 2022	Qtr 3, 2022	Qtr 4, 2022	Qtr 1, 2023	Qtr 2, 2023	Qtr 3, 2023	Qtr 4, 2023	
1			WEST TRAVIS COUNTY PUA															
2		Active	Beneficial Water Recycling - Effluent Disposal Injection Well	385 days	Thu 9/30/21	Mon 4/3/23												
3			Design	130 days	Thu 9/30/21	Fri 4/1/22												
4			Construction	255 days	Mon 4/4/22	Mon 4/3/23												
5		Active	Beneficial Water Recycling Facility Design and TCEQ Permitting	385 days	Thu 9/30/21	Mon 4/3/23												
6			Design	130 days	Thu 9/30/21	Fri 4/1/22												
7			Construction	255 days	Mon 4/4/22	Mon 4/3/23												
8		Active	Bohls WWTP Exp Design, Approval, Const. Admin	450 days	Tue 6/1/21	Thu 3/2/23												
9			Design	152 days	Tue 6/1/21	Fri 12/31/21												
10			Construction	298 days	Mon 1/3/22	Thu 3/2/23												
11		Active	RWL #2 - Design , Permitting and Const. Admin	67 days	Tue 6/1/21	Wed 9/1/21												
12			CPS	67 days	Tue 6/1/21	Wed 9/1/21												
13		Active	1080 Transmission Main Esmts Design, Approval, Const Admin (2 phase)	401 days	Tue 6/1/21	Fri 12/23/22												
14			Segment 1 - Substantial	182 days	Thu 9/30/21	Wed 6/15/22												
15			Segment 2 - Substantial	250 days	Mon 1/3/22	Fri 12/23/22												
16			Design	120 days	Tue 6/1/21	Mon 11/15/21												
17			Easements	120 days	Tue 6/1/21	Mon 11/15/21												
18			CPS	335 days	Thu 9/2/21	Fri 12/23/22												
19		Active	Permanganate Injection Relocation	259 days	Tue 6/1/21	Wed 6/1/22												
20			Bidding & CPS	259 days	Tue 6/1/21	Wed 6/1/22												
21		Active	Sawyer Ranch 1340 Conversion Water Line	150 days	Mon 8/2/21	Tue 3/1/22												
22			CPS	150 days	Mon 8/2/21	Tue 3/1/22												
23		Active	County Line 1340 Pump Station Design, Approval and Constr Admin	174 days	Tue 6/1/21	Tue 2/1/22												
24			CPS	174 days	Tue 6/1/21	Tue 2/1/22												
25		Active	HPRPS Ground Storage Tank #2 Design, Approval and Constr Admin	222 days	Tue 6/1/21	Fri 4/8/22												
26			Design	23 days	Tue 6/1/21	Thu 7/1/21												
27			CPS	196 days	Wed 7/7/21	Fri 4/8/22												

Project: WTCPUA Priority Project
Date: Wed 8/11/21

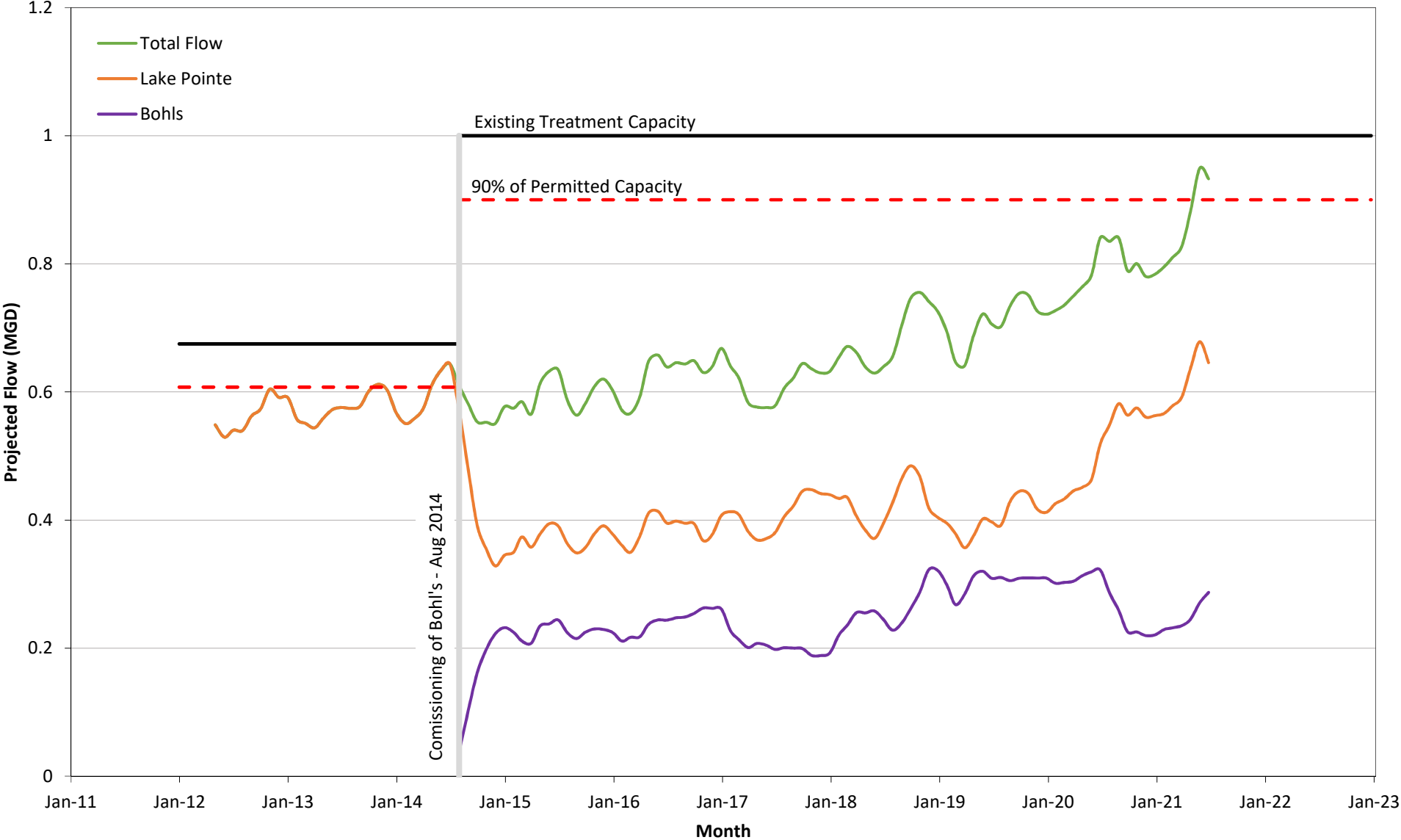
Task		Project Summary		Manual Task		Start-only		Deadline	
Split		Inactive Task		Duration-only		Finish-only		Progress	
Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
Summary		Inactive Summary		Manual Summary		External Milestone			

WTCPUA PRIORITY PROJECTS

ID	Task Mode	Phase Status	Task Name	Duration	Start	Finish	Timeline											
							2, 2021 May Jun	Qtr 3, 2021 Jul Aug Sep	Qtr 4, 2021 Oct Nov Dec	Qtr 1, 2022 Jan Feb Mar	Qtr 2, 2022 Apr May Jun	Qtr 3, 2022 Jul Aug Sep	Qtr 4, 2022 Oct Nov Dec	Qtr 1, 2023 Jan Feb Mar	Qtr 2, 2023 Apr May Jun	Qtr 3, 2023 Jul Aug Sep	Qtr 4, 2023 Oct Nov	
28		Active	Lift Station 9 Rehabilitation Design & Construction Admin	23 days	Tue 6/1/21	Thu 7/1/21												
29			CPS	23 days	Tue 6/1/21	Thu 7/1/21												
30		Active	1240 Transmission Main CIP Project	385 days	Tue 6/1/21	Wed 11/30/22												
31			Design & Approval	177 days	Tue 6/1/21	Fri 2/4/22												
32			Easements	177 days	Tue 6/1/21	Fri 2/4/22												
33			CPS	192 days	Tue 3/1/22	Wed 11/30/22												
34		Active	Southwest Parkway PS GST No 2	109 days	Tue 6/1/21	Sun 10/31/21												
35			CPS	110 days	Tue 6/1/21	Sun 10/31/21												
36		Active	County Line 1420 PS Upgrades	206 days	Tue 6/1/21	Thu 3/17/22												
37			CPS	206 days	Tue 6/1/21	Thu 3/17/22												
38		Active	West Bee Cave PS Upgrades	132 days	Tue 6/1/21	Wed 12/1/21												
39			CPS	132 days	Tue 6/1/21	Wed 12/1/21												
40		Active	Lake Pointe WWTP Influent Lift Station Rehabilitation	174 days	Wed 7/21/21	Wed 3/23/22												
41			CPS	174 days	Wed 7/21/21	Wed 3/23/22												
42		Active	Raw Water Line 2 Chlorine Injection Improvements	67 days	Tue 6/1/21	Wed 9/1/21												
43			CPS	67 days	Tue 6/1/21	Wed 9/1/21												
44		Active	Preliminary Engineering - Uplands Water Treatment Plant Expansion	99 days	Tue 6/1/21	Fri 10/15/21												
45			Design	99 days	Tue 6/1/21	Fri 10/15/21												
46		Active	AWIA Compliance	132 days	Tue 6/1/21	Wed 12/1/21												
47			Design	132 days	Tue 6/1/21	Wed 12/1/21												
48		Active	Circle Drive Pump Station & Ground Storage Tank Ph 1	589 days	Tue 6/1/21	Fri 9/15/23												
49			Design	199 days	Tue 6/1/21	Tue 3/8/22												
50			CPS	390 days	Wed 3/9/22	Fri 9/15/23												
51		Active	HPR Phase II Transmission Main Eng Design/coord/approval	471 days	Mon 8/2/21	Thu 6/1/23												
52			Design	130 days	Mon 8/2/21	Tue 2/1/22												
53			Easements	237 days	Mon 8/2/21	Fri 7/1/22												
54			CPS (By Others)	234 days	Tue 7/5/22	Thu 6/1/23												

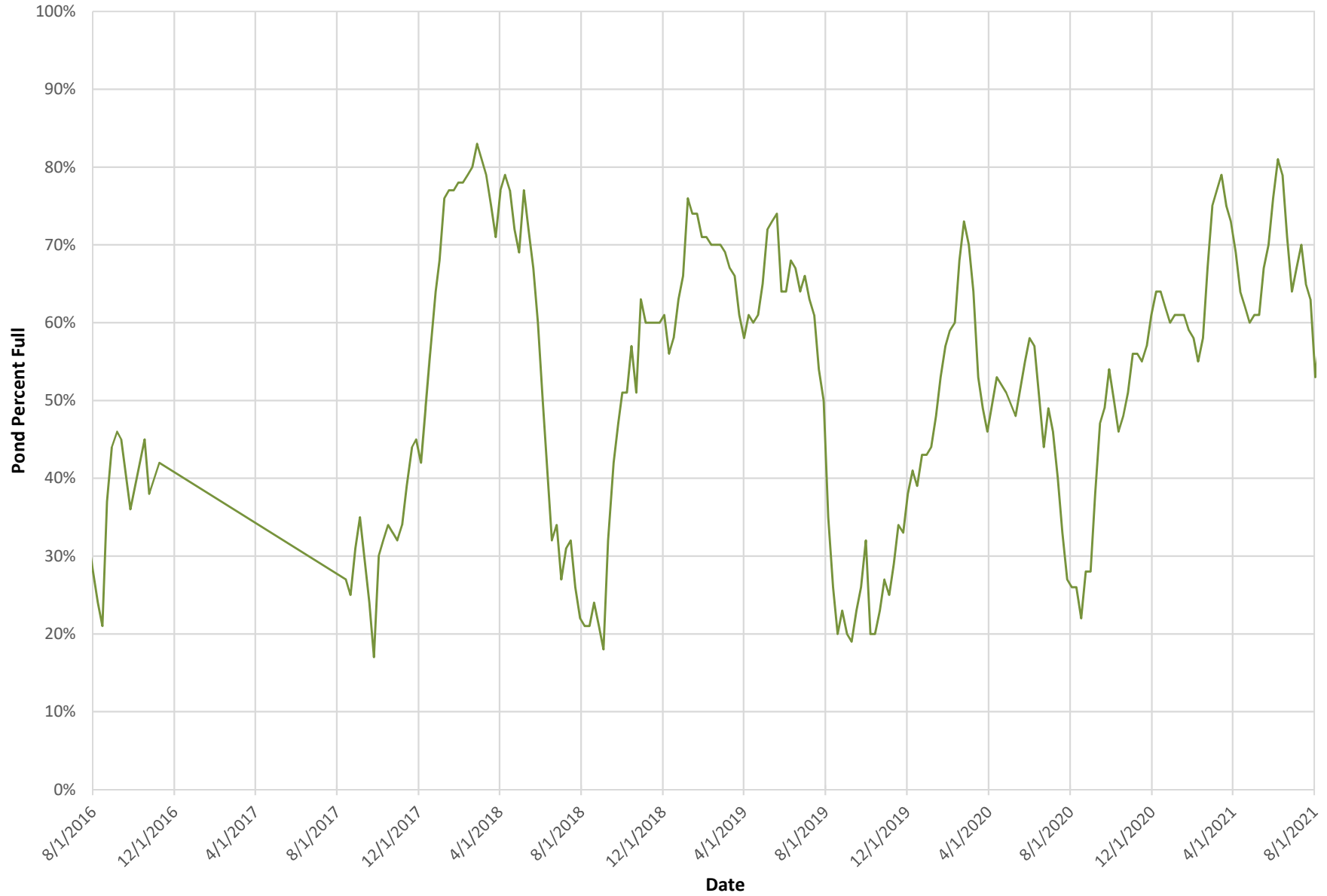
Project: WTCPUA Priority Project Date: Wed 8/11/21	Task		Project Summary		Manual Task		Start-only		Deadline	
	Split		Inactive Task		Duration-only		Finish-only		Progress	
	Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
	Summary		Inactive Summary		Manual Summary		External Milestone			

WTCPUA Wastewater 3-Month Average Daily Flow



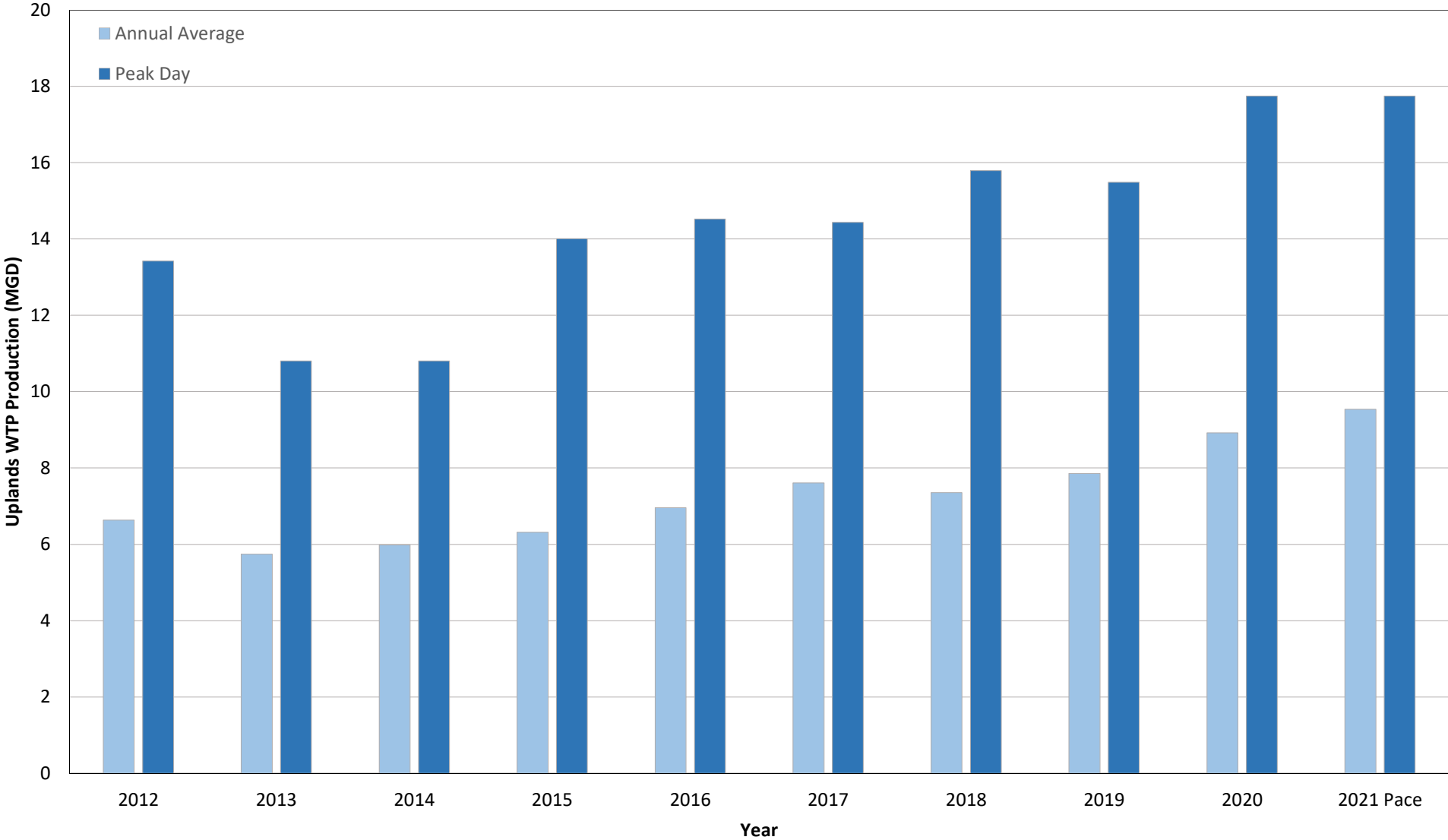
Murfee Engineering Co., Inc.
Texas Registered Firm No. F-353
1101 Capital of Texas Hwy., S., Bldg. D
Austin, Texas 78746

WTCPUA 5 Year Combined Effluent Pond Levels



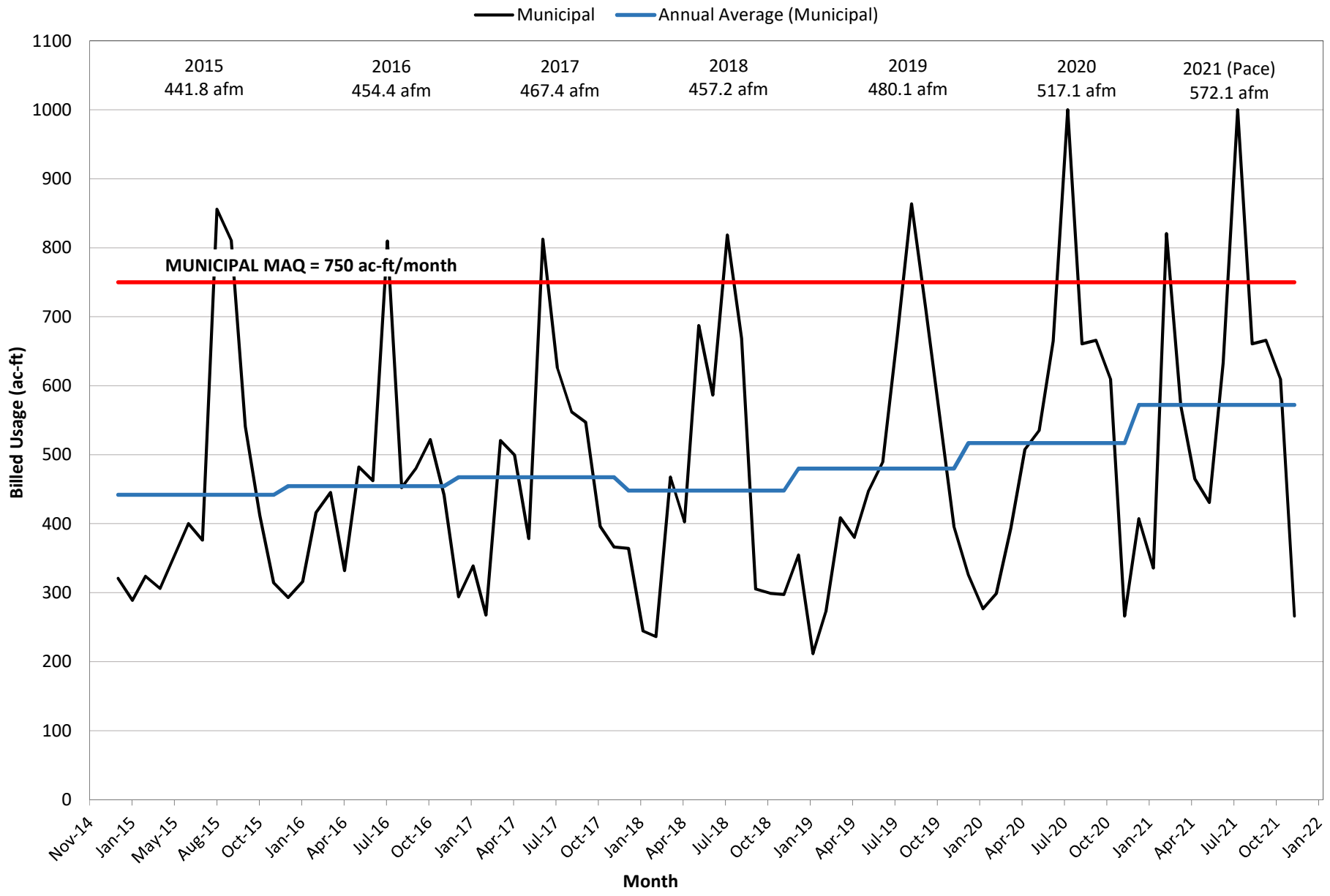
Murfee Engineering Company, Inc.
Texas Registered Firm No. F-353
1101 Capital of Texas Hwy., S.
Bldg. D, Ste. 110
Austin, Texas 78746

WTCPUA Uplands Water Treatment Plant Production Annual Production

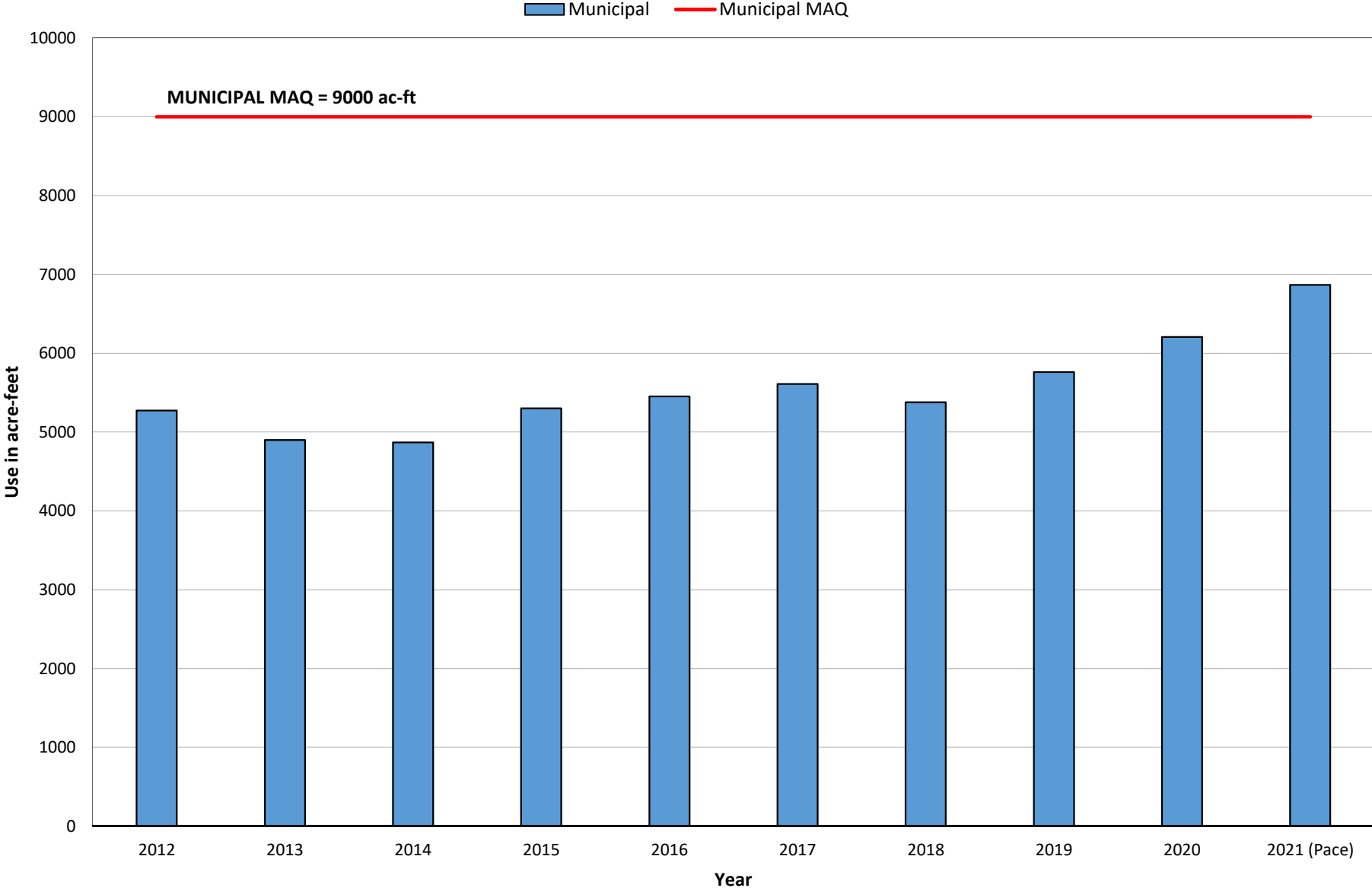


* - 12-Month period March '12 - Feb '13

WTCPUA Municipal Raw Water Usage

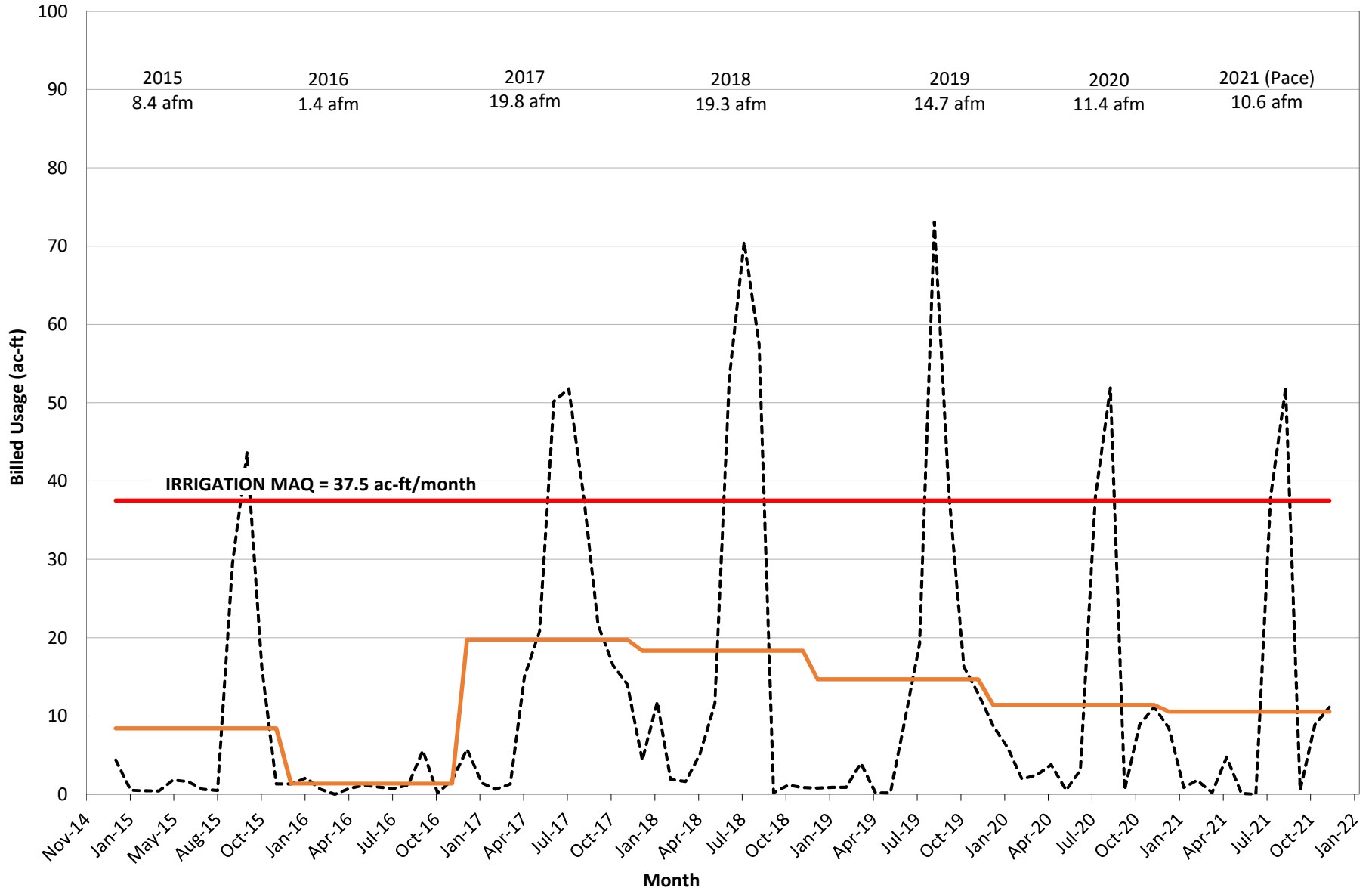


WTCPUA Annual Cumulative Municipal Raw Water Use

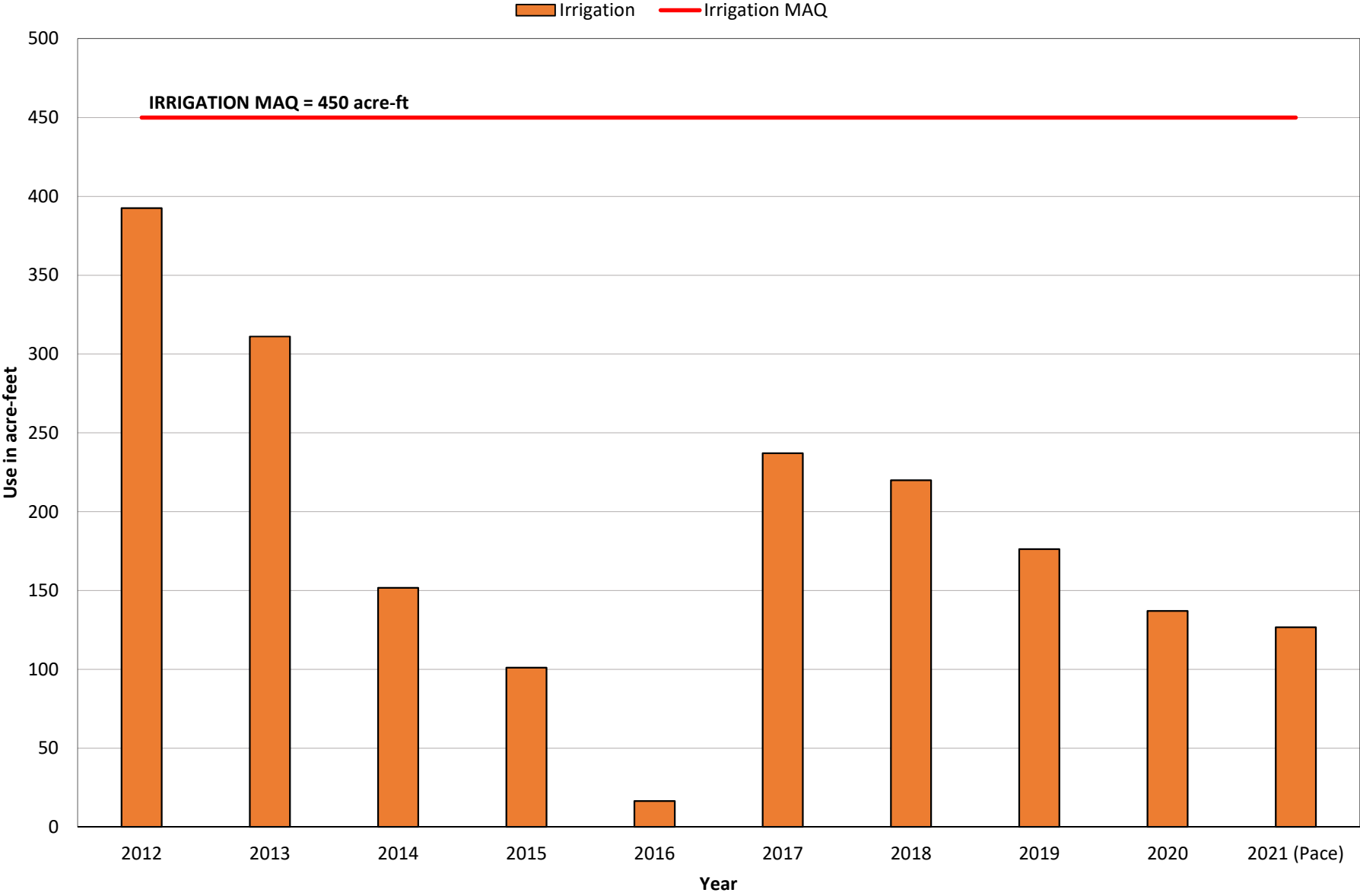


WTCPUA Irrigation Raw Water Usage

----- Irrigation ——— Annual Average (Irrigation)



WTCPUA Annual Cumulative Irrigation Raw Water Use



1 EXECUTIVE SUMMARY

The West Travis County Public Utility Agency (WTCPUA) owns and operates the Uplands Water Treatment Plant (UWTP) which provides potable water to approximately 35,000 people. The UWTP receives raw water from Lake Austin at a location approximately 1.4 miles from the UWTP site via two raw water transmission lines. The current treatment capacity of the UWTP is 20 million gallons per day (MGD); however, the WTCPUA would like to expand the plant to an ultimate capacity of 50 MGD. This report covers the expansion of the UWTP to a capacity of 30 MGD. The treatment plant is located on an 11.157-acre site near the intersection of Bee Cave Road and Bee Cave Parkway, within the City of Bee Cave (CoBC) city limits.

The current treatment process includes pre-treatment with permanganate and chlorine in the two 30-inch raw water transmission lines. At the plant, the pretreated water is divided between the three treatment units. Treatment unit number (TUN) 1 consists of 2 MGD of clarification and filtration, TUN2 consists of four 2 MGD Trident treatment units, and TUN3 consists of two 5 MGD clarifiers and filtration. Treated water from TUN2 is discharged into Clearwell 1 (CW1) at the inlet nozzle. The filtrate from TUN1 and TUN2 are discharged into CW1 at the outlet nozzle and water from all three treatment units is pumped by the transfer pumps into the disinfection contact basin and Clearwell 2 (CW2). From CW2, the high service pump station pumps the finished water into the distribution system. Wastewater from the three treatment units is sent to the lagoons where it settles and is recycled to the front of the plant. Solids from the clarifier at TUN1 are removed from the system using a pumping truck.

Several systems may limit the expansion of the plant. The system of greatest concern is the transfer pump station, which has an ultimate capacity of about 27 MGD and limited practical options for expansion. Also limiting are the chlorine contact tanks and the chemical bulk storage tanks. In addition to systems limiting the expansion of the plant, the site has only two open areas that might be used for new equipment and has had restrictions placed on the remaining areas by the CoBC that pertain to stormwater runoff and impervious cover. The plant site is constrained on three sides by other properties and on the fourth by Bee Cave Road (FM 2244); the WTCPUA is exploring acquisition of adjacent properties. The addition of any structures to the site will require site development permits from the CoBC.

There are three options for increasing the plant capacity discussed in this report. The first is additional Trident units similar to TUN2. The second is additional conventional treatment similar to TUN3. The third is microfilter or ultrafilter (MF/UF) membranes, which is a treatment process that the WTCPUA does not currently have within the system. Each option has advantages and disadvantages as well as a maximum capacity of the potential expansion into the existing space. These options also vary significantly in terms of capital cost. Preliminary analysis indicates that Trident will cost roughly \$11.5 million, clarifier with filters roughly \$8.4 million, and ultrafiltration roughly \$18.7 million. In addition, these costs do not include acquisition of any additional land in order to accommodate expansion of the transfer pump station as that cost is unknown. The three options will also incur different operations and maintenance costs; preliminary analysis indicates that annual costs for Trident roughly \$530,000, clarifier with filters roughly \$453,000, and ultrafiltration will be roughly \$567,000.

The estimated maximum capacity of the two existing raw water lines is approximately 33 MGD, as does the existing raw water intake structure. Any UWTP treatment capacity expansion beyond 33 MGD would require additional raw water transmission capacity. Each of the three options covered in this report can be installed on the existing site as 13 MGD, rather than the 10 MGD which is discussed in detail. The cost for a 13 MGD expansion is approximately \$14.7 million for Trident units, \$11.5 million for clarifiers with filters, and \$26.9 million for ultrafiltration.

MEC recommends that the WTCPUA pursue a MF/UF membrane system. This option will allow for the greatest potential expansion at the UWTP. By planning for a multi-story building, the UWTP could be expanded to at least 50 MGD in the existing available open space. This option would include below-ground chlorine contact volume and treated water storage, effectively eliminating the need to expand the transfer pumping station.