

ITEM G



WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY

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

MEMORANDUM

Date: November 15, 2024
To: Board of Directors – WTCPUA
From: Jennifer Riechers, General Manager
Re: AMI Meter Conversion

Staff has solicited several proposals for AMI meters and installation over the past several months. We have had multiple meetings with various vendors (Badger, Kamstrup, Master Meter and Neptune) and evaluated meter type, customer portal options and project costs. After careful consideration, we have decided to proceed with Kamstrup Ultrasonic Polymer Meters. Staff believes that Kamstrup provides the most suitable meter technology, customer portal solutions and overall product viability.

The proposed project includes installing 10,250 meters and associated accessories, system network infrastructure, hardware, customer portal implementation, and software. One contractor will complete the installation to ensure consistency, and all meters, components, and installation will adhere to industry standards.

AMI meters will facilitate the identification of water leaks and irregular water usage by staff and customers. AMI will provide near real-time usage data to both parties. The customer portal will provide more access to daily water usage and historical trends. The new technology has the potential to generate revenue savings.

PUA staff has decided to split the meter conversion project into two phases in order to utilize possible funding from the Bureau of Reclamation Water Energy and Efficiency Grant. The grant deadline was November 14th and the grant award is scheduled for May 2025. To ensure that some meters are updated prior to summer 2025, we have opted to implement the Highway 71 system conversion immediately and postpone the Highway 290 system conversion until the potential approval of the federal grant funds. The timing of the grant award would allow for installation in the fall of 2025. The federal grant award may provide up to 50% of the project cost for the Highway 290 system.

The proposals provided by Kamstrup for the Highway 290 system total \$2,474,709.63. This portion of the project will be presented for the Water Energy and Efficiency grant from the Bureau of Reclamation. The potential amount of the award from the grant is up to 50% (\$1,237,354.82). The proposal for the Highway 71 system totals \$2,628,858.78. The PUA proposes to fund this project from the Facilities fund. In addition, we have been awarded a \$100,000 Cost Share grant from the LCRA to apply to the costs of the AMI conversion project. The total cost of the entire system conversion to AMI meters is \$5,103,568.41.

Sales Quotation



Customer:

West Travis County PUA
District 71

Quoted By:

Josh Bennett
Ferguson Meter & Automation
512-213-8009
josh.bennett@ferguson.com

Bid Date:

Reference: AMI Solution Polymer

MATERIAL: Meters and Accessories	Quantity	Unit Price	Extended Price
3/8" x 3/4" x 7 1/2" flowIQ® 2200 AMR/AMI/ALD Ultrasonic Polymer Meter, 25 GPM	2,296	\$ 301.64	\$ 692,565.44
3/8" x 3/4" x 7 1/2" flowIQ® 2200 AMI/ALD Cellular Ultrasonic Polymer Meter, 25 GPM	125	\$ 319.89	\$ 39,986.25
3/4" x 7 1/2" flowIQ® 2200 AMR/AMI/ALD Ultrasonic Polymer Meter, 25 GPM	2106	\$ 318.86	\$ 671,519.16
3/4" x 7 1/2" flowIQ® 2200 AMR/AMI/ALD Cellular Ultrasonic Polymer Meter, 25 GPM	125	\$ 347.31	\$ 43,413.75
1" x 10 3/4" flowIQ® 2200 AMR/AM/ALD, Ultrasonic Stainless Steel Meter, 55 GPM	144	\$ 401.14	\$ 57,764.16
1.5" x 13" flowIQ® 3200 AMR/AMI, Ultrasonic Stainless Steel Meter, 160 GPM	102	\$ 891.43	\$ 90,925.86
2" x 17" flowIQ® 3200 AMR/AMI, Ultrasonic Stainless Steel Meter, 160 GPM	86	\$ 1,335.43	\$ 114,846.98
3" x 12" flowIQ® 3200 AMR/AMI, Ultrasonic Stainless Steel Meter, 350 GPM	10	\$ 1,846.15	\$ 18,461.50
4" x 14" flowIQ® 3200 AMR/AMI, Ultrasonic Stainless Steel Meter, 700 GPM	5	\$ 2,600.59	\$ 13,002.95
6" x 18" flowIQ® 4200 AMR/AMI, Ultrasonic Stainless Steel Meter, 1400 GPM	4	\$ 4,615.38	\$ 18,461.52
8" x 20" flowIQ® 4200 AMR/AMI, Ultrasonic Stainless Steel Meter, 2800 GPM	4	\$ 6,368.57	\$ 25,474.28
10" x 17.7" flowIQ® 4200 AMR/AMI, Ultrasonic Stainless Steel Meter, 4500 GPM	0	\$ 7,445.14	\$ -
12" x 19.7" flowIQ® 4200 AMR/AMI, Ultrasonic Stainless Steel Meter, 5500 GPM	1	\$ 8,514.86	\$ 8,514.86
Kamstrup MTU	10	\$ 186.92	\$ 1,869.20
External Antenna 6ft	250	\$ 53.04	\$ 13,260.00
12" Black Round Lid W/AMR	600	\$ 21.58	\$ 12,948.00
19" Black plastic Dual AMR Lid	800	\$ 73.03	\$ 58,424.00
17"x30" Black Lid W/ AMR	75	\$ 126.37	\$ 9,477.75

INSTALLATION: Meters and Accessories	Quantity	Unit Price	Extended Price
Install 5/8" x 3/4" x 7 1/2" meter	2,421	\$ 71.70	\$ 173,585.70
Instal 3/4" Meter	2231	\$ 71.70	\$ 159,962.70
Install 1" meter	144	\$ 71.70	\$ 10,324.80
Install 1.5" meter	102	\$ 243.00	\$ 24,786.00
Install 1.5" meter	3*replumb	\$ 325.00	\$ 975.00
Install 2" meter	86	\$ 285.00	\$ 24,510.00
Install 2" meter	8*replumb	\$ 325.00	\$ 2,600.00
Install 3" meter	10	\$ 535.00	\$ 5,350.00
Install 4" meter		\$ 669.00	\$ -
Install 6" meter		\$ 965.00	\$ -
Install 8" meter	0	\$ 1,440.00	\$ -
Install 10" meter	0	\$ 2,145.00	\$ -
Install 12" meter		\$ 2,145.00	\$ -
Install MTU	10	\$ 105.00	\$ 1,050.00
Install Meter Box Lids	1,475	\$ 6.00	\$ 8,850.00
System Network and Hardware	Quantity	Unit Price	Extended Price
READy Converter Mobile Kit: Includes two (2) READy Converter handhelds with whip antennas, two (2) external magnetic antennas, two (2) 110 VAC adapters, two (2) USB cables, two (2) mobile holders and a quick guide, and protective carry case. *	1	\$ 2,340.00	\$ 2,340.00
READy Optical Eye for data logging and meter configuration: Includes Bluetooth connectivity, battery charger, register alignment bracket, and carry case. *	1	\$ 790.00	\$ 790.00
READy Collector: Kamstrup AMI 450 MHz data collector kit includes collector, tower top unit, dual array antennas, mounting hardware and necessary cables. Utility to furnish one cellular SIM card from their established cellular device provider.	6	\$ 16,500.00	\$ 99,000.00
60ft Rohn Tower at Preselected locations	2	\$ 34,371.56	\$ 68,743.12
Project Management, Training, Software Setup	Quantity	Unit Price	Extended Price
Kamstrup READy Manager AMI Software Setup (one-time fee, for up to 7500 endpoints).	1	\$ 44,282.40	\$ 44,282.40
AMI System Rollout Services: Includes CIS billing interface, activation of meters, onsite hardware setup, project management, and operator training delivered by Kamstrup and Ferguson. **	1	\$ 24,000.00	\$ 24,000.00
Kamstrup READy Manager AMI Software Annual Hosting Fee (for up to 7500 endpoints).	1	\$ 14,190.00	\$ 14,190.00
Kamstrup Leak Detector Annual Hosting Fee (for up to 7500 endpoints).	0	\$ 33,798.57	\$ -
Cellular Fees Per Meter per year	360	\$ 7.68	\$ 2,764.80
H2O Analytics System Analytics Up front	5,018	\$ 5.75	\$ 28,853.50
H2O Analytics System Analytics Annual	5,018	\$ 1.95	\$ 9,785.10
Work Order Software	1	\$ 23,000.00	\$ 23,000.00

Work Order Software Annual	1	\$ 8,200.00	\$ 8,200.00
H2O Analytics Customer Portal Implementation Fee (One-time fee Invoiced by Ferguson upon H2O Analytics contract approval).	5,018		\$ -

Project Total: \$2,628,858.78

Annual Required Software Hosting Fees (Year 2+)	Quantity	Unit Price	Extended Price
Kamstrup READy Manager AMI Software Annual Hosting Fee (for up to 7500 endpoints).	1	\$ 14,190.00	\$ 14,190.00
H ₂ O Analytics Customer Portal Annual Recurring Hosting Fee invoiced by H2O Analytics twelve months after contract date.			\$ -
Kamstrup Leak Detector Annual Hosting Fee (for up to 7500 endpoints).	1	\$ 33,798.57	\$ 33,798.57
H2O Analytics System Analytics Annual	5,018	\$ 1.95	\$ 9,785.10
Work Order Software Annual	1	\$ 8,200.00	\$ 8,200.00
Cellular Fees Per Meter Per Year	360	\$ 7.68	\$ 2,764.80
Total Per year			\$ 68,738.47

Optional Products and Services	Quantity	Unit Price	Extended Price
H2O Analytics System Analytics Up front	5,018	\$ 5.75	\$ 28,853.50
H2O Analytics System Analytics Annual	5,018	\$ 1.95	\$ 9,785.10
Work Order Software	1	\$ 23,000.00	\$ 23,000.00
Work Order Software Annual	1	\$ 8,200.00	\$ 8,200.00

As Needed Services	Quantity	Unit Price	Extended Price
5/8"x 3/4" Meter Replumb Required	0	\$64.00	\$ -
1" Meter Replumb Required	0	\$64.00	\$ -
1.5" Meter Replumb Required	0	\$325.00	\$ -

2" Meter Replumb Required	0	\$325.00	\$ -
3" Meter Replumb Required	0	\$595.00	\$ -
4" Meter Replumb Required	0	\$795.00	\$ -
6" Meter Replumb Required	0	\$1,150.00	\$ -
8" Meter Replumb Required	0	\$1,595.00	\$ -
10" Meter Replumb Required	0	\$1,850.00	\$ -
12" Meter Replumb Required	0	\$2,200.00	\$ -
Field Labor Rate per worker, per hour	hr	\$112.00	#VALUE!
Meter Box Replacement for 1" and under	0	\$55.00	\$ -
Meter Box Reset for 1" and under	0	\$55.00	\$ -
Install New Meter Box 1.5" and 2"	0	\$95.00	\$ -
Remove and Reset Meter Box for 1.5 and 2"	0	\$95.00	\$ -
Install New Curb Stop up to 1"	0	\$95.00	\$ -
Install New Curb Stop 1.5" and 2"	0	\$150.00	\$ -
Install Pipe Riser/ Meter Setter (up to 1")	0	\$95.00	\$ -
Line Type Survey w/ database including pictures	0	\$30.00	\$ -
Use of hydroexcavation equipment (\$100/hr; 2 hr min)	0	\$200.00	\$ -
Sub Meter GPS- Included in above price	0	\$5.00	\$ -
Drill Hole in Existing Plastic Lid	0	\$23.00	\$ -
Provide external pit antenna (AMR)	0	\$36.00	\$ -
Install external pit antenna (AMR)	0	\$20.00	\$ -
Provide external pit antenna (AMI)	0	\$53.00	\$ -
Install external pit antenna (AMI)	0	\$30.00	\$ -
Unexpected Demobilization (\$1/meter; \$500 min- \$10,000 max)	0	\$500.00	\$ -

Pricing Assumptions and Clarifications

Unit pricing prevails in the case of calculation error.

Ferguson assumes that all meters are located in outdoor pits.

Ferguson assumes that all meter installs/swaps are "like for like", meaning that no additional materials or excessive labor will be required to remove the old meter from service and install the new meter. All other materials and install services related to the meter pit are not included. Additional materials and services can be added with pricing and specifications presented by Ferguson to the city for approval.

Meter replacement pricing includes gaskets and flange kits for all meter sizes. The City is responsible for any spool pieces/adapters required to meet existing lay-length requirements. Ferguson will assist with the meter audit and ordering of the proper materials as an adder.

All stored materials will be invoiced upon receipt by the city.

Ferguson assumes that the city will provide a suitable storage location for securing of materials and will provide access for the installation subcontractor throughout the duration of the meter installation phase.

All old meters removed from service will be brought to an accessible storage area for later salvage/disposal by the City. Ferguson is open to taking on the salvage/disposal responsibilities, as a potential adder.

Ferguson assumes that all meters 1" and smaller will be installed in pits with plastic lids. Our AMI propagation study has been based on this assumption.

Ferguson assumes if any pre-existing meter plumbing issues (i.e. existing leaks or poor condition of pipes or meters) that would prevent a safe, quality installation of a new water meter, then the City will be notified directly for repairs and/or further instruction.

Ferguson assumes conditions of pits may require up to 10 minutes of "dig time" to remove dirt/material for a successful meter installation. In the event more than 10 minutes is required, an additional charge for excessive digging may be applicable, unless it's agreed to consider these types of installations as "return to utility."

Ferguson has applied Davis-Bacon prevailing wage rate requirements to the project installation fees. The scope of this project would fall under Heavy Wage Determination sheet, with a job classification as "Laborer: Comm. or General OR LABORER: Pipelayer" to be used for certified payroll.

* Quote does not include an Android device required for running the READY Mobile Application, available on the Google Play Store. This app will allow reprogramming, diagnostic testing and local data retrieval from the meter. Ferguson can supply a tablet device for an additional charge, but finds it more beneficial for the utility to purchase a tablet directly, especially if adding the device(s) to an existing municipal cellular group plan.

The utility is responsible for providing 120V AC power to the proposed data collector installation site. Ferguson and Kamstrup will assist through a network site survey the final network design.

The utility is responsible for providing a 4G/5G cellular data machine-to-machine (M2M) SIM card for each data collector to enable data transmission to the server. This is an easy add to the utility/municipality's existing cellular phone plan, and it uses minimal bandwidth (250-500 MB per month). Ferguson and Kamstrup will assist in the specification and SIM card installation. An alternative to the SIM card would be a wired Ethernet connection, should fiber internet service be available at the site.

** Our software integration fees cover CIS billing setup and testing by Ferguson and Kamstrup only. The City is responsible for any additional integration fees, should there be any, invoiced directly by Caselle CIS billing software.

This proposal does not include customer outreach materials beyond a basic door hanger used at the time of meter swap service. Ferguson will gladly participate in customer outreach planning and share best practices from our experience - dedicated web page, flyers, mailers, town hall meetings, etc. Some of these additional deliverables may present additional costs if provided by Ferguson.

All commercial meters will be scheduled with the business where they are located.

Scapping of meter and old Radios included in the price of the installation.

Bonding Included in the cost of meter install

Permitting Included minus the cost of any engineered in place drawings that are required by the counties where work is to be completed

Sales Quotation



Customer:

West Travis County PUA
District 290

Quoted By:

Josh Bennett
Ferguson Meter & Automation
512-213-8009
josh.bennett@ferguson.com

Bid Date:

Reference: AMI Solution Polymer

MATERIAL: Meters and Accessories	Quantity	Unit Price	Extended Price
3/8" x 3/4" x 7 1/2" flowIQ® 2200 AMR/AMI/ALD Ultrasonic Polymer Meter, 25 GPM	3,202	\$ 301.64	\$ 965,851.28
3/8" x 3/4" x 7 1/2" flowIQ® 2200 AMI/ALD Cellular Ultrasonic Polymer Meter, 25 GPM	125	\$ 319.89	\$ 39,986.25
3/4" x 7 1/2" flowIQ® 2200 AMR/AMI/ALD Ultrasonic Polymer Meter, 25 GPM	1676	\$ 318.86	\$ 534,409.36
3/4" x 7 1/2" flowIQ® 2200 AMR/AMI/ALD Cellular Ultrasonic Polymer Meter, 25 GPM	125	\$ 347.31	\$ 43,413.75
1" x 10 3/4" flowIQ® 2200 AMR/AM/ALD, Ultrasonic Stainless Steel Meter, 55 GPM	49	\$ 401.14	\$ 19,655.86
1.5" x 13" flowIQ® 3200 AMR/AMI, Ultrasonic Stainless Steel Meter, 160 GPM	33	\$ 891.43	\$ 29,417.19
2" x 17" flowIQ® 3200 AMR/AMI, Ultrasonic Stainless Steel Meter, 160 GPM	32	\$ 1,335.43	\$ 42,733.76
3" x 12" flowIQ® 3200 AMR/AMI, Ultrasonic Stainless Steel Meter, 350 GPM	1	\$ 1,846.15	\$ 1,846.15
4" x 14" flowIQ® 3200 AMR/AMI, Ultrasonic Stainless Steel Meter, 700 GPM	0	\$ 2,600.59	\$ -
6" x 18" flowIQ® 4200 AMR/AMI, Ultrasonic Stainless Steel Meter, 1400 GPM	3	\$ 4,615.38	\$ 13,846.14
8" x 20" flowIQ® 4200 AMR/AMI, Ultrasonic Stainless Steel Meter, 2800 GPM	2	\$ 6,368.57	\$ 12,737.14
10" x 17.7" flowIQ® 4200 AMR/AMI, Ultrasonic Stainless Steel Meter, 4500 GPM	0	\$ 7,445.14	\$ -
12" x 19.7" flowIQ® 4200 AMR/AMI, Ultrasonic Stainless Steel Meter, 5500 GPM	0	\$ 8,514.86	\$ -
Kamstrup MTU	8	\$ 186.92	\$ 1,495.36
External Antenna 6ft	250	\$ 53.04	\$ 13,260.00
12" Black Round Lid W/AMR	600	\$ 21.58	\$ 12,948.00
19" Black plastic Dual AMR Lid	800	\$ 73.03	\$ 58,424.00
17"x30" Black Lid W/ AMR	75	\$ 126.37	\$ 9,477.75

INSTALLATION: Meters and Accessories	Quantity	Unit Price	Extended Price
Install 5/8" x 3/4" x 7 1/2" meter	3,327	\$ 71.70	\$ 238,545.90
Instal 3/4" Meter	1801	\$ 71.70	\$ 129,131.70
Install 1" meter	144	\$ 71.70	\$ 10,324.80
Install 1.5" meter	102	\$ 243.00	\$ 24,786.00
Install 2" meter	86	\$ 285.00	\$ 24,510.00
Install 2" meter	17 *Replumb	\$ 325.00	\$ 5,525.00
Install 3" meter	10	\$ 535.00	\$ 5,350.00
Install 4" meter		\$ 669.00	\$ -
Install 6" meter		\$ 965.00	\$ -
Install 8" meter	0	\$ 1,440.00	\$ -
Install 10" meter	0	\$ 2,145.00	\$ -
Install 12" meter		\$ 2,145.00	\$ -
Install MTU	10	\$ 105.00	\$ 1,050.00
Install Meter Box Lids	1,475	\$ 6.00	\$ 8,850.00
System Network and Hardware	Quantity	Unit Price	Extended Price
READy Converter Mobile Kit: Includes two (2) <i>READY</i> Converter handhelds with whip antennas, two (2) external magnetic antennas, two (2) 110 VAC adapters, two (2) USB cables, two (2) mobile holders and a quick guide, and protective carry case. *	1	\$ 2,340.00	\$ 2,340.00
READy Optical Eye for data logging and meter configuration: Includes Bluetooth connectivity, battery charger, register alignment bracket, and carry case. *	1	\$ 790.00	\$ 790.00
READy Collector: Kamstrup AMI 450 MHz data collector kit includes collector, tower top unit, dual array antennas, mounting hardware and necessary cables. Utility to furnish one cellular SIM card from their established cellular device provider.	5	\$ 16,500.00	\$ 82,500.00
60ft Rohn Tower at Preselected locations	0	\$ 34,371.56	\$ -
Project Management, Training, Software Setup	Quantity	Unit Price	Extended Price
Kamstrup READy Manager AMI Software Setup (one-time fee, for up to 15000 endpoints).	1	\$ 73,054.80	\$ 73,054.80
AMI System Rollout Services: Includes CIS billing interface, activation of meters, onsite hardware setup, project management, and operator training delivered by Kamstrup and Ferguson. **		\$ 24,000.00	\$ -
Kamstrup READy Manager AMI Software Annual Hosting Fee (for up to 15000 endpoints).	1	\$ 25,766.40	\$ 25,766.40
Kamstrup Leak Detector Annual Hosting Fee (for up to 15000 endpoints).	0	\$ 65,055.71	\$ -
Cellular Fees Per Meter per year	288	\$ 7.68	\$ 2,211.84
H2O Analytics System Analytics Up front	5,256	\$ 5.75	\$ 30,222.00
H2O Analytics System Analytics Annual	5,256	\$ 1.95	\$ 10,249.20

H2O Analytics Customer Portal Implementation Fee (One-time fee Invoiced by Ferguson upon H2O Analytics contract approval).	5,256		\$ -
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Project Total: \$2,474,709.63

Annual Required Software Hosting Fees (Year 2+)	Quantity	Unit Price	Extended Price
Kamstrup READy Manager AMI Software Annual Hosting Fee (for up to 15000 endpoints).	1	\$ 25,766.40	\$ 25,766.40
Kamstrup Leak Detector Annual Hosting Fee (for up to 15000 endpoints).	1	\$ 65,055.71	\$ 65,055.71
Work Order Software Annual	1	\$ 8,200.00	\$ 8,200.00
Cellular Fees Per Meter Per Year	648	\$ 7.68	\$ 4,976.64
H2O Analytics System Analytics and Customer Portal Annual	10,274	\$ 1.95	\$ 20,034.30
Total Per year			\$ 124,033.05

Optional Products and Services	Quantity	Unit Price	Extended Price
H2O Analytics System Analytics Up front	5,256	\$ 5.75	\$ 30,222.00
H2O Analytics System Analytics Annual	5,256	\$ 1.95	\$ 10,249.20
Work Order Software	1	\$ 23,000.00	\$ 23,000.00
Work Order Software Annual	1	\$ 8,200.00	\$ 8,200.00

As Needed Services	Quantity	Unit Price	Extended Price
5/8"x 3/4" Meter Replumb Required	0	\$64.00	\$ -
1" Meter Replumb Required	0	\$64.00	\$ -
1.5" Meter Replumb Required	0	\$325.00	\$ -
2" Meter Replumb Required	0	\$325.00	\$ -
3" Meter Replumb Required	0	\$595.00	\$ -
4" Meter Replumb Required	0	\$795.00	\$ -

6" Meter Replumb Required	0	\$1,150.00	\$ -
8" Meter Replumb Required	0	\$1,595.00	\$ -
10" Meter Replumb Required	0	\$1,850.00	\$ -
12" Meter Replumb Required	0	\$2,200.00	\$ -
Field Labor Rate per worker, per hour	hr	\$112.00	#VALUE!
Meter Box Replacement for 1" and under	0	\$55.00	\$ -
Meter Box Reset for 1" and under	0	\$55.00	\$ -
Install New Meter Box 1.5" and 2"	0	\$95.00	\$ -
Remove and Reset Meter Box for 1.5 and 2"	0	\$95.00	\$ -
Install New Curb Stop up to 1"	0	\$95.00	\$ -
Install New Curb Stop 1.5" and 2"	0	\$150.00	\$ -
Install Pipe Riser/ Meter Setter (up to 1")	0	\$95.00	\$ -
Line Type Survey w/ database including pictures	0	\$30.00	\$ -
Use of hydroexcavation equipment (\$100/hr; 2 hr min)	0	\$200.00	\$ -
Sub Meter GPS- Included in above price	0	\$5.00	\$ -
Drill Hole in Existing Plastic Lid	0	\$23.00	\$ -
Provide external pit antenna (AMR)	0	\$36.00	\$ -
Install external pit antenna (AMR)	0	\$20.00	\$ -
Provide external pit antenna (AMI)	0	\$53.00	\$ -
Install external pit antenna (AMI)	0	\$30.00	\$ -
Unexpected Demobilization (\$1/meter; \$500 min- \$10,000 max)	0	\$500.00	\$ -

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The utility is responsible for providing 120V AC power to the proposed data collector installation site. Ferguson and Kamstrup will assist through a network site survey the final network design.

The utility is responsible for providing a 4G/5G cellular data machine-to-machine (M2M) SIM card for each data collector to enable data transmission to the server. This is an easy add to the utility/municipality's existing cellular phone plan, and it uses minimal bandwidth (250-500 MB per month). Ferguson and Kamstrup will assist in the specification and SIM card installation. An alternative to the SIM card would be a wired Ethernet connection, should fiber internet

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Scapping of meter and old Radios included in the price of the installation.

Bonding Included in the cost of meter install

Permitting Included minus the cost of any engineered in place drawings that are required by the counties where work is to be completed

ITEM I



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

November 18, 2024

Steve Winn
Mirasol Capital
4143 Maple Ave, Ste. 400
Dallas, Tx 75219

Re: Service Availability PW-2024-51-SER
Mirasol Springs
24601 Hamilton Pool Rd
Austin TX, 78620
WTCPUA Project # 71-24-011

Dear Mr. Winn,

The West Travis County Public Utility Agency (WTCPUA) has completed its review of requested water service for a proposed mixed-use development (Proposed Development or Project). Service Availability for three hundred forty-seven (347) LUEs, which includes 276 LUE's in Phase I and 71 LUE's in Phase II, of domestic water allocation is approved subject to the Developer complying with the Service Extension Request (SER) Conditions below:

SER CONDITIONS

1. The Developer enters into a Non-Standard Water Service Agreement with the WTCPUA for three hundred forty-seven (347) LUEs of domestic water service within three (3) months of the date of the letter.
2. Developer shall construct, at Developer's sole cost and expense, all facilities relating to the Proposed Development, including the Developer Facilities, in compliance with the WTCPUA Rules and Policies. **Water service is contingent on additional facilities being built that are required to serve this development and service will not be available until such facilities are constructed.** Such service shall not include irrigation meters. Developer shall submit all Plans and Specifications for all facilities relating to the Proposed Development, including the Developer Facilities, including any phase or portion thereof, to the WTCPUA for review and approval prior to commencement of construction. Construction of all facilities relating to the Proposed Development including the Developer Facilities shall be subject to all WTCPUA Rules and Policies.

Potable water from the WTCPUA must be the exclusive potable water used for each Phase of the Project. Developer agrees to not use groundwater or surface water from the Pedernales River for potable water source. Delivery of water will be metered and restricted to 108 gpm which represents average day use. Developer must provide on-site storage to meet peak day demands. WTCPUA will be the retail supplier of water to customers in the Proposed Development and will operate the Developer Facilities after their

acceptance by WTCPUA. The Developer Facilities will either be conveyed outright to WTCPUA upon completion and acceptance by WTCPUA or, if required by the Texas Attorney General, leased to the WTCPUA under terms acceptable to the WTCPUA to allow for reimbursement by Mirasol Springs Municipal Utility District and conveyed to WTCPUA once reimbursement is complete.

3. Prior to release of plans for construction, the Developer shall pay all required engineering review fees, outside engineering & legal fees, inspection fees, reservation fees, and impact fees relating to all tasks required by the WTCPUA to provide service to the Proposed Development.
4. The WTCPUA inspects and accepts the facilities per the approved construction plans and specifications.
5. The Developer, at its sole cost and expense, grants to the WTCPUA all on-site and off-site easements necessary for the WTCPUA to own and/or operate the facilities.
6. Prior to release of water meters for the Proposed Development, the Developer shall submit close out documents including a final plat and executed easements in a form and manner acceptable for WTCPUA recording per the attached WTCPUA close out check list, an executed Conveyance Agreement in a form and manner acceptable to the WTCPUA and pay all applicable fees due including but not limited to, any outstanding engineering review fees, outside engineering and legal fees and deposit replenishment billings, tap fees, meter-drop in fees and all other associated meter fees. All closeout documents shall be submitted and approved by the WTCPUA within 45 calendar days of substantial completion of the WTCPUA approved Project; otherwise, the Project shall be considered expired and shall be subject to a new SER application and review process.
7. The Developer may be required to pay the WTCPUA annual Water Reservation Fees as applicable per WTCPUA Tariff and policies.
8. The Developer shall follow and comply with all applicable WTCPUA Tariff, policies, rules and regulations pertaining to water service, as amended from time to time by the WTCPUA Board of Directors.
9. The Developer will be required to secure a Legal Lot Determinations from Travis County and Hays County, or secure approved subdivision plats in Travis County and Hays County, Texas for the Property within four (4) years from the date of this letter.
10. Provisions of water service to the Property by the WTCPUA shall become null and void if final construction plans have not been approved by the WTCPUA for the Project and the Project constructed and close out completed within four (4) years from the date of this letter.
11. The Developer shall adopt one of the alternative water quality measures required of the new development as specified in that certain "Memorandum of Understanding" between the LCRA and the United States Fish and Wildlife Service (USFWS), dated May 24, 2000 (MOU) and the "Settlement Agreement and Stipulation of Dismissal" from the lawsuit, Hays County Water Planning Partnership, et. al. vs. Lt. General Robert B. Flowers, U.S. Army Corps of Engineers, Thomas E. White, Secretary of the Army, Gale Norton, Secretary of the Department of the Interior, and the Lower Colorado River authority, W.D. Tex. 2002 (No. AOOCA 826SS) (Settlement Agreement) including:
 - a. Measures approved by the USFWS through separate Section 7 consultation, or other independent consultation;
 - b. TCEQ optional enhanced measures, Appendix A and Appendix B to RG-348; or
 - c. U.S. Fish and wildlife Service Recommendations for Protection of Water Quality of the Edwards Aquifer dated September 1, 2000;
12. The proposed Project is within Travis County and Hays County and the Lake Travis watershed.

13. The proposed Project is subject to the West Travis County Public Utility Agency plat requirements
14. Developer, at its sole cost and expense, shall be responsible for constructing a water line extending from a mutually agreed upon location along the WTCPUA water system to the Proposed Development and providing a 15' wide permanent exclusive water line easement and 20' wide temporary construction easement for the length of the water line or an approved site plan from Travis County for placement of the water line in the right-of-way.
15. Groundwater development in Phase I is by agreement not to be used for potable or landscape irrigation. In lieu of groundwater, up to 2 LUE's of WTCPUA water may be used on the organic farm in Phase I. The wells in Phase I will be abandoned.
16. Phase II (71 LUEs) will be subject to the same WTCPUA water service conditions as provided in this Service Availability Letter upon development or change in land use. Groundwater in Phase II may be used for agricultural or animal husbandry purposes.
17. The raw water contract with LCRA shall be transferred to WTCPUA. The diversion point will be moved to Lake Austin.
18. Developer will modify its TLAP permit to include more stringent effluent limits and provide wastewater treatment that includes de-nitrification.

Please be advised that if, for any reason, system capacity is exceeded prior to connection to the system, then this property is subject to a moratorium of any additional connections which may be declared. Also, please be advised that WTCPUA will not provide direct fire flow service to the Property and, as such, the Developer may be required to install and maintain fire service facilities needed to meet local fire code regulations and requirements.

If you have any questions concerning this matter, please contact Tricia Altamirano at 512-263-0100.

Sincerely,

Jennifer Riechers
General Manager

Accepted by:

MIRASOL CAPITAL

By: _____
Name: _____
Title: _____
Date: _____

Cc: Tricia Altamirano
Jennifer Smith
Keli Kirkley
Jennifer Riechers

Mr. Steve Winn

Page 4

November 18, 2024

John Camarillo

Lauren Kalisek, Lloyd Gosselink Rochelle & Townsend, P.C.

George Murfee, Murfee Engineering Company, Inc.

ITEM J



Murfee Engineering Company

November 12, 2024

Mr. Scott Roberts, President and
Board of Directors
West Travis County Public Utility Agency
12117 Bee Cave Road, Building 3, Suite 120
Bee Cave, Texas 78738

**Re: WTCPUA 1080 Transmission Main Easement Acquisition and Design
Request for Adjustment to Project Budget
MEC File: 11051.122**

President Roberts and Board:

The purpose of this letter is to provide background and justification for our request for your consideration of an adjustment to the engineering fees for the above-referenced project in the amount of \$146,200, which will be a not-to-exceed for all efforts required to complete Transmission Main project.

This \$146,200 adjustment includes an estimated \$47,000 for the right of way agent Spitzer and Associates (S&A). The addition to the approved scope of work we are requesting is approval for additional compensation for a third-party easements acquisition, as well as metes and bounds easement survey for each parcel. During the easement acquisition process over the past three years, the amount of effort per parcel has been increased in part due to the recent cancellation of the MOU between the City of Bee Cave and the WTCPUA, where the City of Bee Cave is no longer the acting condemnation authority. This change caused additional steps to be made in the process, and an overall project delay. The WTCPUA has now been granted authority to condemn parcels necessary to construct projects. We anticipate between one and five parcels will require WTCPUA's eminent domain authority, and the continued support of S&A services.

Following the completion of the 1080 Transmission Main's initial design in January of 2022, Hamilton Pool Road improvements were constructed by TXDOT, including a project related to the road widening that caused a relocation of a 10-inch diameter high pressure gas line at Limekiln creek, along with a large box culvert installation. These changes created a potential conflict with the proposed locations of the 24-inch waterline and a 10 inch high pressure gas main, which will require additional subsurface utility engineering services to locate the gas main and an alternative alignment. The solution may require newly acquired easements for three parcels not originally envisioned. Each new easement will require a parcel description and survey performed by Capital Survey Company (CSCI). The estimated fee for easement negotiation and surveying for each parcel is \$47,000 and \$7,200, respectively. The total fee by consultant is summarized in the attached effort breakdown.

As of November 12, 2024 MEC has spent \$1,002,261 in total budget on the project, including \$303,665 for S&A land acquisition costs and \$96,795 for CSCI's design survey work. Table 1 below provides a summary of the changes and requests for additional budget. Parcel appraisals and acquisition payments to be paid directly by the WTCPUA, estimated at \$465,000, are not included in this budget request.

Table 1: Cost Summary

Description	Date	Amount
Original budget	November 2017	540,140
Amendment for omitted design survey	October 2018	\$67,000
Amendment for Easement Acquisition and Design to complete	October 2021	\$368,000
Amendment for Easement Acquisition & SUE	November 2024	\$146,200
	TOTAL ENGINEERING & SUBCONSULTANT FEES	\$1,121,340

Should you have any questions or need any additional information, please do not hesitate to contact me at your convenience.

Sincerely,



Jason Baze, P.E.

President

CC: Jennifer Riechers, General Manger – WTCPUA

Attachments:

SurvWest SUE Proposal



9/5/2024

Andrew Johnson
Murfee Engineering Company, Inc.
1101 S. Capital of TX Hwy, Bldg. D
Austin, TX 78746
512- 327-9204
ajohnson@murfee.com

SurvWest Proposal Number: BD240364

Subsurface Utility Engineering for 1080 TM Seg B SUE for High Pressured 10 Gas Line

Dear Mr. Johnson:

SurvWest, LLC (SURVWEST) is pleased to submit a cost proposal for Subsurface Utility Engineering (SUE) required for the above referenced project.

Introduction

This proposal is based on information received via email on September 9, 2024, and a TEAMS call on September 4, 2024.

The project involves the design and construction of a new water transmission main along FM 3238 (Hamilton Pool Road), in Travis County Texas.

With the intent of achieving Quality Level A depiction of subsurface utilities, SURVWEST will perform the work required for this project in general accordance with the recommended practices and procedures described in ASCE/UESI/CI 38-22 (Standard Guideline for Investigating and Documenting Existing Utilities). The following definitions are taken directly from the ASCE 38-22 document for clarification.

- ★ **Quality Level D (QLD):** A value assigned to a Utility Segment or Utility Feature not visible at the ground surface whose estimated position is judged through Utility records, information from others, or from visual clues such as pavement cuts, obvious trenches, or existence of service.
- ★ **Quality Level C (QLC):** A value assigned to a Utility Segment not visible at the ground surface whose estimated position is judged through correlating Utility records or similar evidence to Utility Features, visible aboveground and/or under-ground. The Utility Anchor Point on the Utility Features shall be tied to the Project Survey Datum with an accuracy of 0.2 ft (60 mm) horizontal.
- ★ **Quality Level B (QLB):** A value assigned to a Utility Segment or subsurface Utility Feature whose existence and horizontal position is based on Geophysical Methods combined with professional judgment and whose location is tied to the Project Survey Datum with an accuracy of 0.2 ft (60 mm) horizontal.

- ▲ **Quality Level A (QLA):** A value assigned to that portion (x-, y-, and z-geometry) of a Utility Segment or subsurface Utility Feature that is directly exposed and measured and whose location and dimensions are tied to the Project Survey Datum. The Utility Segment or subsurface Utility Feature shall be tied to the Project Survey Datum with an accuracy of 0.1 ft (30mm) vertical and to 0.2 ft (60 mm) horizontal for the measurements of the outside limits of the Utility Feature or Utility Segment that is exposed.

Scope of Work

Based on information provided by Murfee Engineering Company ("CLIENT"), SURVWEST has developed a preliminary scope for the work required for this project. The scope of work may be modified with the CLIENT, Owner, or their representative's concurrence during the performance of the work if warranted by actual field findings.

For this project, SURVWEST will provide the following services within the project limits shown in red in *Figure 1* below. The QLB SUE investigation includes approximately 1,200 liner feet of the existing 10" gas line to be designated. Additionally, up to four (4) QLA SUE test holes are also included in this proposal. The approximate locations for each test hole are depicted in *Figure 1* below. Investigation into all other utilities is excluded.



Figure 1. Project SUE Investigation Limits

SURVWEST will utilize its Standard Operating Procedures and Safety Plan in the performance of the work.

SurvWest Proposal Number: BD240364

Subsurface Utility Engineering for 1080 TM Seg B SUE for High Pressured 10 Gas Line

Permits

CLIENT has advised that there are no known permit requirements for the project. Should permit requirements arise in the future, SURVWEST will work with CLIENT and applicable jurisdictional entities to obtain the necessary permits to complete the field tasks.

Traffic Control

Should non-routine traffic control measures be required (barricades, flag person, changeable message board, crash attenuator truck, etc.), these services will be considered extra and invoiced at cost. CLIENT will be notified if such circumstances arise, and CLIENT'S approval will be necessary before commencement.

SUE QLD (Records/Research)

SURVWEST will conduct utility research of the project limits. In addition to records received from CLIENT, SURVWEST will gather, and review information collected from one or more of the following sources. The data acquired through this effort will be taken into consideration when analyzing field data and preparing the project deliverables.

- ▲ One Call Notification Center
- ▲ Internet-Based Databases
- ▲ Aerial Imagery
- ▲ Utility Owners
 - Record Drawings
 - Previous Construction Plans
 - Database Information/Maps
 - Oral Histories
- ▲ County/Parish Clerk Office
- ▲ State Department of Transportation

SUE QLC (Utility segments/above ground appurtenances)

SURVWEST will visually inspect the project limits for evidence of utilities, including above-ground facilities and appurtenances. SURVWEST will survey the horizontal position of above ground visible utility features typically associated with underground utilities such as manholes, telephone pedestals, and water valves. The investigation will be limited to utilities identified within the project limits.

Gravity systems will be investigated one connection point beyond the project limits to identify if a conflict exists. This will include the invert collection of said gravity systems.

SUE QLB (Horizontal designating)

SURVWEST will utilize a suite of geophysical equipment to designate buried metallic utility pipelines and non-metallic utility pipelines with access points. The goal is to obtain a reliable and repeatable geophysical signal that is consistent with that of a signal originating from a utility segment given observed conditions, knowledge of utility system configurations, and record data. This calls for the use of more than one type of geophysical instrument, frequency, antenna, coupling technique, or other variation to interpret a signal as reliable or repeatable.

All physical paint markings will be made following the American Public Works Association (APWA) Uniform Color Code utilizing pink paint for temporary survey markings. 2-man inductive sweeps will be performed following the investigation of identified utilities for any unidentified utilities that may exist within the project limits.

SURVWEST will attempt to designate the following utility main and service types:

- ▲ Natural Gas Pipelines (up to any installed meters)

Due to the age and material of the utility pipes in the project area, it is anticipated that a utility search would be needed to verify the existence of utility pipes that may not have visible/accessible above-ground appurtenances. Should a utility search take longer than anticipated, the CLIENT will be notified, and approval will be needed to continue the effort. This may result in an added scope and fee.

Despite SURVWEST's due diligence to identify buried utilities within the project limits, the possibility still exists, that some utilities are not identified. Utilities that are not identified through the Utility Information Research and On-Site Visual Inspection efforts will be referred to as "unknown" utilities. SURVWEST will perform an inductive search for "unknown" utilities within the project limits. However, SURVWEST is not responsible for designating unknown utilities.

SUE QLA (Test Holes)

SURVWEST will utilize a suite of geophysical equipment to designate buried utilities to the extents needed to perform test holes at locations selected by the CLIENT. The performance of this task provides confirmation of the vertical and horizontal location of the utilities and reduces the risk of being unable to locate the target conflict utility.

SURVWEST will utilize non-destructive vacuum excavation equipment to expose the utilities at specific points which are then tied down by survey. Upon successful utility exposure and visual verification of the utilities, SURVWEST will collect three-dimensional (x, y, z) information at the test hole locations. SURVWEST will also attempt to gather utility attribute information such as type, size, material, and wall thickness.

Despite SURVWEST's due diligence to expose a utility at a specified location, the possibility still exists that the utility cannot be accessed due to reasons beyond SURVWEST's control. Some of these hinderances include the encountering of rock strata, high water table, or excessive buried depth. The CLIENT will be notified should a test hole be found dry, and the efforts spent to locate the utility. If unsuccessful, the CLIENT will be billed at the test hole unit rate or depth of excavation.

Surface Cut & Test Hole Repair

If targeted Test Hole location, as outlined in the above *Figure 1*, is not in a "natural ground" location and would require extensive labor to break through the surface, the location will be adjusted on site to the nearest natural ground area.

The test hole excavation will be backfilled with native material that was removed and compacted in 12" lifts with pneumatic tamper, unless directed by the requirements of permits, city inspector, or utility owner representative. *Select fill, removal and disposal of spoils cost may be incurred at the time of investigation if standard repair is not approved by the on-site inspector or utility representative.*

Assumptions and Considerations

Exclusions

The scope of work described in this proposal EXCLUDES the following services:

- ▲ Collection of data from utility poles and overhead wires, open channels, irrigation ditches, underground irrigation systems, and all other utility types.
- ▲ Utility Coordination Services, including the preparation of the list of utility providers, conflict matrix, participation in coordination meetings, evaluation or coordination of relocations, or the preparation of clearance or removal/relocation documents.
- ▲ Project Design Survey
- ▲ Topographic Survey
- ▲ Right-of-way verification or boundary survey.
- ▲ Project Design and Engineering
- ▲ Project Construction Services

Assumptions

- ▲ Utility features, paint marks, and exposed utilities will be collected by SURVWEST surveyors and reviewed by professional surveyors.
- ▲ For designated utilities, the size and material type of all utilities will be provided only if the information is indicated on available record drawings or through test hole investigation.
- ▲ In this region, test hole excavation frequently encounters rock strata. SURVWEST will do everything feasible to non-destructively expose utilities at test holes. However, we cannot ensure that vacuum excavation will be successful on all test holes if significant rock layers are encountered. If this becomes an issue, SURVWEST will communicate with the CLIENT immediately to discuss options.
- ▲ No more than 2,000 linear feet of utilities will be mapped throughout this project. If this number is exceeded, a change order may be required.

Client Responsibilities

- ▲ CLIENT will provide SURVWEST with survey control for use in preparing the deliverables. This data can be provided in a .txt or CAD format and will include the information listed below. The CAD file will be in MicroStation or AutoCAD format. If AutoCAD, the file will be in 2D, saved as a 2020 or earlier version.
 - ▲ Coordinate System and Zone
 - ▲ Basis of Vertical Datum
 - ▲ Project Benchmarks (if applicable)
 - ▲ Project Scale Factor (if applicable)
- ▲ CLIENT will provide SURVWEST with CAD base map files such as topography, ROW, and proposed stationing alignment files. These files will support the SUE data collected and to ensure proper alignment with CLIENT electronic CAD formats.
- ▲ If applicable, CLIENT will provide SURVWEST with the utility line styles and symbology to utilize in preparing the deliverable(s). This includes title blocks, OWNER and CLIENT logo images, and contact information.

- ▲ CLIENT will arrange for Right of Entry (ROE), where required, to access work areas. SURVWEST can perform ROE services at an additional fee.

Deliverables

Plan Set and Test Hole Data Sheets

Upon receipt of survey control and a base map/topographic file from CLIENT, SURVWEST will prepare a CAD file depicting the type and horizontal location of the surveyed utilities, utility features, and the locations of the test holes. SURVWEST will utilize the line style and symbology provided by CLIENT. If the CLIENT does not provide this information, SURVWEST will utilize its standard line styles and symbology.

SURVWEST will deliver a plan set, signed, and sealed by a state licensed professional engineer.

SURVWEST will also deliver Test Hole Summary sheet containing the field data collected at each test hole including (if available) utility size, depth, material, direction, and type of surface marker used to identify the test hole location. The Test Hole Data Sheets will be signed and sealed by a state licensed professional engineer.

Anticipated Schedule

SURVWEST can commence work within ten (10) business days of receiving the notice to proceed (NTP). Anticipated survey and SUE field work through QLB is two (3) business days.

For QLA activities, we are estimating the QLA field effort is estimated at three (3) business days. After final field work, the deliverables as previously described can be submitted within five (5) business days.

The estimated time to complete the SUE and Survey for this project is a total of twenty-one (21) business days.

The above estimated schedule is based on information provided by CLIENT and OWNER. This schedule does not reflect delays related to property access, permitting, inclement weather, or any other factors outside of SURVWEST's control.

Estimated Fees

Task Description	Units	Task Fee
QLA & QLB SUE Services	Lump Sum	\$12,900.00
Project Total		\$12,900.00

The total estimated cost to complete the work described herein is **\$12,900.00** as a NTE fee without prior written approval by CLIENT. SURVWEST will invoice the CLIENT, on a Time and Materials basis, for any additional days worked beyond the estimated time with prior CLIENT approval.

Closing

We look forward to working with you on this project. Should you have any questions or require additional information, please contact me at (512) 940-7915 or cphipps@survwest.com.

Sincerely,

SURVWEST, LLC



Charlie Phipps
SUE Project Manger

This offer is not binding, and no contract between the parties shall exist unless and until definitive written agreements have been negotiated and executed by the parties. The services and products described herein are subject to change and will only be binding obligations if included in definitive written agreements executed by the parties.

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement as of the day and year first above written and agree to all terms and conditions listed on Exhibit A, attached hereto.

Client Name

Print Name

Signature

Title

Address for Giving Notices:

ITEM K

RESOLUTION

A RESOLUTION OF THE BOARD OF THE WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY DETERMINING A PUBLIC NEED AND NECESSITY FOR THE ACQUISITION OF CERTAIN PROPERTY AND AUTHORIZING THE AGENCY'S USE OF ITS EMINENT DOMAIN POWER TO ACQUIRE SAID PROPERTY INTERESTS

WHEREAS, West Travis County Public Utility Agency (the "Agency"), a public utility agency created by concurrent ordinance of Hays County (the "County"), the City of Bee Cave (the "City"), and Lake Pointe Municipal Utility District¹ (the "District") and governed by Chapter 572 of the Texas Local Government Code, has determined that in order to promote public health, safety, and welfare, public necessity requires acquisition of the necessary easements for the 1240 Transmission Main (TM) Realignment Project (the "Project") pursuant to the Agency's Capital Improvements Plan; and

WHEREAS, the Board of the Agency, upon consideration of the matter, has determined that there is a public necessity for the welfare of the Agency and its members, and the public-at-large to construct the 1240 Transmission Main Realignment Project waterline improvements and related facilities and appurtenances to connect locations between the US290 West and Schmidt Lane intersection approximately 1,800 feet south, and then east-southeast approximately 2,000 feet to Derecho Drive, and to perform associated public uses and purposes as project for public use as described by Section 2206.001(c)(3) of the Texas Government Code; and

WHEREAS, in accordance with the above, the Board hereby finds that public necessity requires the acquisition of: (1) certain permanent water line easement interests; and (2) certain temporary construction easement interests; (3) access easement interests; and/or fee simple title or any other portion of title or property interest required for the Agency's proposed Project along the general route and properties as described and shown on the Overall Project Layout & Property Owners description attached hereto and incorporated herein as Exhibit "A" ("Property"), for the public use of

¹Lake Pointe Municipal Utility District is a successor in interest to West Travis County Municipal Utility District No. 5

construction, reconstruction, operation, maintaining, inspecting, repairing, replacing, modifying, upgrading, relocating, adding, abandoning or removing water transmission line improvements, all related appurtenances and facilities and uses incidental thereto or in connection therewith for the Project and Agency's water treatment and transmission system, as a part of the improvements to the Project, at such locations as are necessary and that such constructing, reconstructing, maintaining, inspecting, repairing, replacing, modifying, upgrading, relocating, adding, abandoning or removing shall extend across and upon, and will cross, run through, and be upon portions of the herein described real Property;

WHEREAS, it is necessary to establish procedures for determining and approving just compensation, and completing acquisition of the Property for this Project.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF THE WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY:

Section 1. The Board hereby finds and determines that it is necessary for the welfare of the Agency, its members, and the citizens of Travis and/or Hays Counties and is in the public interest to construct and maintain water transmission line improvements in Travis and/or Hays Counties along the general route and Property as shown in Exhibit "A" and to acquire property interests to assist with such purposes in and to the above described lands, free and clear of any liens and encumbrances, in order to allow the Agency and/or its assigns to complete said Project.

Section 2. The Agency's General Manager, or her designated agent, is hereby authorized on behalf of the Agency to attempt to negotiate, settle and agree on compensation to be paid to the owners of any interest in the Property, and to make official, written, bona fide offers to the owners for the market value of said Property or property interest. If it is or has been determined that a voluntary

purchase agreement as to the value of said Property, damages and/or compensation to be paid cannot be reached, then the Agency's General Manager is authorized to direct the Agency's Attorney or their designated agent to initiate or cause to be filed, against the owners and holders of other related interest in the Property, condemnation proceedings using the Agency's power of eminent domain to acquire the stated interest in and to the above-described lands, in order to allow the Agency to complete said Project, and to perform and undertake all other proceedings necessary to complete the acquisition of the Property.

Section 3. It is the intent of the Board that this resolution authorizes the potential condemnation of all necessary property interests along the general route and Property as shown in Exhibit "A" attached hereto which are required to complete the construction and maintenance of the Project and associated public purposes, as authorized by Tex. Govt. Code Sec. 2206.053 and Sec. 2206.001(c)(3). If it is later determined that there are any errors in the descriptions contained herein, or if later surveys contain more accurately revised descriptions, the Agency's Attorney is authorized to have such errors corrected or revisions made without the necessity of obtaining a new resolution of the Board authorizing the condemnation of the corrected or revised Property.

Section 4. The findings of fact, recitations of provisions set in the preamble of this Resolution are adopted and made a part of the body of this Resolution, as fully as if the same were set forth herein.

The Board hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

[signature page follows]

RESOLVED this _____, 2024.

Scott Roberts
President, Board of Directors

ATTEST:

Walt Smith, Secretary
Board of Directors

ITEM L

PASSED AND APPROVED this 18th day of November 2024.

Scott Roberts, President
Board of Directors

ATTEST:

Walt Smith, Secretary
Board of Directors

Exhibit A
Covered Applications and Prohibited Technology Policy

**WEST TRAVIS COUNTY
PUBLIC UTILITY AGENCY
("WTCPUA")**

**Covered Applications and Prohibited
Technology Policy**

Date: November 18, 2024

Version: 1.0

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1.0 INTRODUCTION

1.1 PURPOSE

On December 7, 2022, Governor Greg Abbott required all governmental entities and political subdivisions, including special districts, to ban the video-sharing application TikTok from all government-owned and government-issued devices and networks over the Chinese Communist Party's ability to use the application for surveilling Texans. Governor Abbott also directed the Texas Department of Public Safety (DPS) and the Texas Department of Information Resources (DIR) to develop a plan providing governmental entities guidance on managing personal devices used to conduct state business. Following the issuance of the Governor's directive, the 88th Texas Legislature passed Senate Bill 1893, which prohibits the use of covered applications on governmental entity devices.

As required by the Governor's directive and Senate Bill 1893, this policy prohibits the installation or use of covered applications or prohibited technologies on applicable WTCPUA's devices.

2.0 COVERED APPLICATIONS POLICY

2.1 SCOPE AND DEFINITIONS

Pursuant to Senate Bill 1893, governmental entities, as defined below, must establish a covered applications policy:

- A department, commission, board, office, or other agency that is in the executive or legislative branch of state government and that was created by the constitution or a statute, including an institution of higher education as defined by Education Code Section 61.003.
- The supreme court, the court of criminal appeals, a court of appeals, a district court, or the Texas Judicial Council or another agency in the judicial branch of state government.
- A political subdivision of this state, including a municipality, county, or special purpose district.

This policy applies to all WTCPUA full- and part-time employees, contractors, paid or unpaid interns, and other users of government networks. All WTCPUA employees are responsible for complying with this policy.

A covered application is:

- The social media service TikTok or any successor application or service developed or provided by ByteDance Limited, or an entity owned by ByteDance Limited.

- A social media application or service specified by proclamation of the governor under Government Code Section 620.005.

2.2 COVERED APPLICATIONS ON GOVERNMENT-OWNED OR LEASED DEVICES

Except where approved exceptions apply, the use or installation of covered applications is prohibited on all government-owned or -leased devices, including cell phones, tablets, desktop and laptop computers, and other internet-capable devices.

WTCPUA will identify, track, and manage all government-owned or -leased devices including mobile phones, tablets, laptops, desktop computers, or any other internet-capable devices to:

- a. Prohibit the installation of a covered application.
- b. Prohibit the use of a covered application.
- c. Remove a covered application from a government-owned or -leased device that was on the device prior to the passage of S.B. 1893 (88th Leg, R.S.).
- d. Remove an application from a government-owned or -leased device if the Governor issues a proclamation identifying it as a covered application.

WTCPUA will manage all company-owned or leased mobile devices by implementing the security measures listed below:

- a. Maintain the ability specifically approve all applications loaded on to government-owned or leased devices**
- b. Maintain the ability to remotely wipe such devices**

2.3 ONGOING AND EMERGING TECHNOLOGY THREATS

To provide protection against ongoing and emerging technological threats to the government's sensitive information and critical infrastructure, DPS and DIR will regularly monitor and evaluate additional social media applications or services that pose a risk to this state.

DIR will annually submit to the Governor a list of social media applications and services identified as posing a risk to Texas. The Governor may proclaim items on this list as covered applications that are subject to this policy.

If the Governor identifies an item on the DIR-posted list described by this section, then WTCPUA will remove and prohibit the covered application.

WTCPUA may also prohibit social media applications or services in addition to those specified by proclamation of the Governor.

2.4 BRING YOUR OWN DEVICE POLICY

If WTCPUA has a “Bring Your Own Device” (BYOD) program, then WTCPUA may consider prohibiting the installation or operation of covered applications on employee-owned devices that are used to conduct government business.

2.5 COVERED APPLICATION EXCEPTIONS

WTCPUA may permit exceptions authorizing the installation and use of a covered application on government-owned or -leased devices consistent with the authority provided by Government Code Chapter 620.

Government Code Section 620.004 only allows WTCPUA to install and use a covered application on an applicable device to the extent necessary for:

- (1) Providing law enforcement; or
- (2) Developing or implementing information security measures.

If WTCPUA grants such an exception, appropriate measures must be taken to mitigate any potential risks to sensitive data and systems. WTCPUA must document the measures taken to mitigate the risks posed to the state during the use of the covered application.

3.0 POLICY COMPLIANCE

WTCPUA will verify compliance with this policy through various methods, including but not limited to, IT/security system reports and feedback to leadership.

An employee found to have violated this policy may be subject to disciplinary action, including termination of employment.

4.0 POLICY REVIEW

This policy will be reviewed annually and updated as necessary to reflect changes in state law, additions to applications identified under Government Code Section 620.006, updates to the prohibited technology list posted to DIR’s website, or to suit the needs of WTCPUA.

ITEM M

WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY (“WTCPUA”)
WATER AND SEWER SERVICE AND DEVELOPMENT POLICIES

June 19, 2014

Amended January 21, 2021

Amended April 18, 2024

Amended October 17, 2024

Amended November 18, 2024

A. Water Service and Development Policies

1. **Existing Commitments.** Honor water service commitments in existing wholesale and retail water service contracts and agreements.
2. **Wholesale Service.** No new wholesale service (i.e., WTCPUA will provide only retail water service) in the WTCPUA’s “Water Service Area.”¹
3. **Standard Service.** Provide Standard Water Service upon application from a person or entity with an existing service agreement with the WTCPUA or located within WTCPUA Water certificate of convenience and necessity (“CCN”) No. 13207, in accordance with WTCPUA Schedule for Rates, Charges, and Terms and Conditions of Water and Wastewater Services.
4. **Planning Service Level/Service Level A.** Apply a base level of service for planning purposes throughout the Water Service Area.¹ that is consistent with the WTCPUA’s Land Use Assumptions and Capital Improvements Plan. This base level of service shall be defined as “Service Level A” and shall be no greater than one (1) living unit equivalent (“LUE”) per acre “Gross Site Area”².
5. **Approval by General Manager.** The General Manager may approve or deny any Service Availability Letter (“SAL”) and/or any Non-Standard Service Agreement (“NSSA”) for 20 LUEs or less of service capacity for applicants for Non-Standard Water Service. All other applications for service or NSSAs shall be presented to the Board for approval or denial.
6. **General Requirements for New Non-Standard Service.** For applicants for Non-Standard Water Service that are in the Water Service Area and do not have an existing service

¹ “Water Service Area” shall mean and include (1) the area that is within WTCPUA’s water CCN No. 13207, as of September 26, 2013, and (2) the area that can be served by the WTCPUA’s Water Transmission System, as constructed on September 26, 2013 (regardless of whether such area is within the boundaries of water CCN No. 13207), without the need to construct additional central facilities other than those identified in the WTCPUA’s Water Capital Improvements Plan; and Water Service Area is more particularly depicted in Attachment 1, attached hereto and incorporated herein for all purposes.

² “Gross Site Area” means the total amount of acreage in a development. “Net Site Area” means the difference obtained by subtracting the Development’s Gross Site Area minus the area located within undisturbed native vegetative buffers and sensitive environmental features as described in the September 1, 2000 USFWS Recommendations.

agreement with the WTCPUA, the Board may consider extension of service under the following conditions:

- a. Applicant submits a conceptual site plan or preliminary plat/final plat/legal lot determination for review and approval by the WTCPUA demonstrating compliance with the appropriate Service Level as established by these Policies.
- b. Annual non-reimbursable payment of Water Reservation Fees for unused LUEs, as follows:
 - i. The initial, annual non-reimbursable Water Reservation Fees for any unset water services (i.e., LUEs) shall be due and payable within 6 months of the effective date for the WTCPUA's written service commitment;
 - ii. Subsequent annual non-reimbursable Water Reservation Fees for any unset water services shall be due and payable upon each annual anniversary date of the WTCPUA's written service commitment; and
 - iii. The Non-Standard Service Agreement may be terminated if any reservation fees are not paid for all or any portion of the unset LUEs.
- c. Pre-Payment of 100% of impact fees for each development phase upfront if required to fund construction of capital improvements needed to provide service and required by the WTCPUA in its sole discretion.
- d. Payment or funding of capital projects needed to serve the project that are not included in the WTCPUA approved Capital Improvements Plan upfront or provision of a financial guarantee for such funds in a form acceptable to the WTCPUA.
- e. Phase water demands of the project in unison with WTCPUA approved Capital Improvements Plan.
- f. Project has no substantive impacts to its approved Capital Improvements Plan, including no impact to the calculation of impact fees as determined by the WTCPUA.
- g. Project has no substantive impact to rates to current customers from extending service to the project as determined by the WTCPUA.
- h. Project has no substantive impacts to system operations as determined by the WTCPUA.
- i. Provide water service, following the 75% - 90% Guideline,³ to the extent existing capacity is available.

³ When a WTCPUA central facility reaches 75% of rated or design capacity, the WTCPUA will commence planning and design of needed central facility improvements to expand such facility and when a WTCPUA central facility

- j. Impact fees shall be assessed at the current adopted rate of the PUA as may be amended from time to time.

7. **Service Level Determination.** Service levels for a new project in the Water Service Area will be determined as follows:

- a. Applicants for Non-Standard Water Service who (i) are located outside of the corporate limits and extra-territorial jurisdiction (“ETJ”) of the City of Bee Cave (as such ETJ boundaries exist on January 9, 2014); (ii) who are located outside of the City of Dripping Springs corporate limits; and (iii) who do not have an existing service agreement with the WTCPUA will be required, as a matter of policy, to adopt one of the alternative water quality measures required of new development as specified in that certain “Memorandum of Understanding” between LCRA and the United States Fish and Wildlife Service (the “USFWS”), dated May 24, 2000 (the “MOU”) and the “Settlement Agreement and Stipulation of Dismissal” from the lawsuit, Hays County Water Planning Partnership, et al. vs. Lt. General Robert B. Flowers, U.S. Army Corps of Engineers, Thomas E. White, Secretary of the Army, Cale Norton, Secretary of the Department of the Interior, and Lower Colorado River Authority, W.D. Tex. 2002 (No. AOOCA 826SS) (the “Settlement Agreement”) to establish the service capacity level including:

- U.S. Fish and Wildlife Service Recommendations for Protection of Water Quality of the Edwards Aquifer dated September 1, 2000 (“2000 USFWS Recommendations”);
- TCEQ optional enhanced measures, Appendix A and Appendix B to RG-348 (“OEM”); or
- Alternative water quality measures approved by USFWS through separate independent consultation.

For the purposes of this Policy, Service Level A is equivalent to the 2000 USFWS Recommendations. Service exceeding Service Level A, to be defined as “Service Level B,” is that service level that may be obtained for a project by compliance with OEM or separate USFWS consultation/approval.

- b. The Board may consider a commitment to Service Level B for projects greater than five acres Gross Site Area if the following additional conditions are met (in addition to the General Requirements of Paragraph 6 above):
- i. Applicant submits a conceptual site plan or preliminary plat or final plat/legal lot determination and construction plans for PUA review and

reaches 90% of rated or design capacity, the WTCPUA will commence construction of needed central facility improvement.

approval demonstrating compliance with one of the three alternative measures outlined above.

- ii. Applicant provides the WTCPUA with written confirmation of TCEQ OEM compliance (Engineer's Design Certification) for the project and obtain approval by an independent third-party engineer (retained by the WTCPUA and to be paid for by the Applicant for each development phase prior to construction of each respective project phase and Non-Standard Service Agreement may be terminated if approval not obtained within a reasonable time.
 - iii. Applicant provides the WTCPUA with written certification of OEM compliance (Engineer's Certification of Acceptance and Completion) after obtaining approval by an independent third party engineer (retained by the WTCPUA and to be paid for by the Applicant) for post construction.
 - iv. The Board may consider a commitment to Service Level B for projects equal to or less than five acres Gross Site Area if Applicant submits a conceptual site plan, preliminary plat or final plat/legal lot determination and construction plans demonstrating compliance of the project with the OEM. The WTCPUA Engineer shall review the plat or construction plans for OEM compliance.
- c. Applicants for Non-Standard water service who (i) are located inside the corporate limits or ETJ City of Bee Cave (as such ETJ boundaries exist on January 9, 2014) and (ii) who do not have an existing service agreement with the WTCPUA will be required, as a matter of policy, to follow water quality protection measures in compliance with City of Bee Cave water quality requirements. Any applicant requesting non-standard water service for a project in the City of Bee Cave corporate limits or ETJ shall have service levels approved by the WTCPUA and determined in consideration of City of Bee Cave water quality, zoning, platting and site plan requirements.
 - d. Applicants for Non-Standard water service who (i) are located inside the corporate limits of the City of Dripping Springs and (ii) who do not have an existing service agreement with the WTCPUA will be required, as a matter of policy, to follow water quality protection measures in compliance with City of Dripping Springs water quality requirements. Any applicant requesting non-standard water service for a project in the City of Dripping Springs corporate limits shall have service levels approved by the WTCPUA and determined in consideration of City of Dripping Springs water quality, zoning, platting and site plan requirements.
8. Expand Uplands Regional Water Treatment Plant (within its current footprint) and Lake Austin Raw Water Intake and Raw Water Transmission System to the maximum day capacity of 33 mgd.

9. Obtain additional LCRA Contract Raw Water, as necessary, to match maximum Uplands Regional Water Treatment Plant capacity.
10. Commence investigating supplemental alternative water supplies of no more than 7.5 mgd maximum capacity, including but not limited to:
 - a. In cooperation with Hays County entities, investigate groundwater importation alternatives.
 - b. Purchase wholesale water from the City of Austin and/or other entities.
11. Plan and estimate capital improvements necessary to provide water service at “build-out” level within the Water Service Area.
12. Negotiate memorandums of understanding/interlocal agreements with the cities of Austin, Bee Cave, and Dripping Springs, and Travis and Hays Counties, for coordinating the site review and approval processes, and for conducting plumbing inspections.
- 12.13. {New Language from 10/17/2024 meeting} As of October 17, 2024 limit new Non-Standard Water Service west along Hamilton Pool Road to:
 - a. developments that do not pump groundwater or surface water from the Pedernales River for any purpose potable water or landscape irrigation purposes; and .
 - b. include provisions in the NSSA that the agreement and service may be terminated for violation of such provision upon 60 days notice.
- 13.14. Wholesale water customers requesting to increase their maximum annual quantity, maximum peak day use, and/or max day reservation (as such terms are defined in the relevant wholesale agreement) shall be required to demonstrate that their current retail distribution systems are adequately sized or will be expanded (with sufficient engineering design and financing plans) to accommodate the additional flow. WTCPUA will meet TCEQ minimum requirements for delivery of water at the master meter, and wholesale customers shall be responsible for providing adequate storage within its retail system to meet the service needs of its individual retail customers.
- 14.15. Wholesale water customers requesting to amend their existing contract must agree to:
 - a. Allow the WTCPUA to set meters and collect impact fees;
 - b. Remit impact fees before additional water is supplied;
 - c. Penalties for missed or late payments as allowed under applicable law;
 - d. Sole source provisions; and
 - e. Recognition that retail customers will not subsidize wholesale customers

B. Sewer Service and Development Policies

1. WTCPUA planning for maximum sewer treatment and treated effluent disposal shall not exceed 1.8 mgd.⁴
2. Do not provide retail or wholesale sewer service outside of “Sewer Service Area”⁵
3. Developer to install and maintain sewage treatment facilities for property located outside of Sewer Service Area
4. For applicants for Non-Standard Sewer Service within WTCPUA Sewer Service Area:
 - a. Require annual non-reimbursable payment of Wastewater Reservation Fees for unset LUEs, as follows:
 - i. The initial, annual non-reimbursable Wastewater Reservation Fees for any unset wastewater services (i.e., LUEs) shall be due and payable within 6 months of the effective date for the WTCPUA’s written service commitment; and
 - ii. Subsequent annual non-reimbursable Wastewater Reservation Fees for any unset wastewater services shall be due and payable upon each annual anniversary date of the WTCPUA’s written service commitment; and
 - iii. The Non-Standard Service Agreement may be terminated if any reservation fees are not paid for all or any portion of the LUEs.
 - b. Consider providing retail sewer service, if feasible and if in the best interests of the WTCPUA as determined by the WTCPUA in its sole discretion, and:
 - i. Prepayment of 100% of impact fees for each development phase upfront if required to fund construction of capital improvements needed to provide service and required by the WTCPUA in its sole discretion.
 - ii. Payment or funding of capital projects needed to serve the project that are not included in the WTCPUA approved Capital Improvements Plan upfront or provision of a financial guarantee for such funds in a form acceptable to the WTCPUA.
 - iii. Provide sewer service, following the 75% - 90% Requirement described in TCEQ Texas Land Application Permit No. WQ0013594-001, to the extent existing capacity is available.

⁴ Sewer Service Area” shall mean and include the area that can be served by the WTCPUA’s wastewater system, as constructed on September 26, 2013 without the need to construct additional central facilities except those included in the WTCPUA’s Wastewater Capital Improvements Plan; and such area is more particularly depicted in Attachment 3, attached hereto and incorporated herein for all purposes

5. The General Manager may approve or deny any SAL and/or any NSSA for 20 LUEs or less of service capacity for applicants for Non-Standard Wastewater Service. All other applications for service or NSSAs shall be presented to the Board for approval or denial.

6. Negotiate memorandums of understanding/interlocal agreements with the cities of Austin and Bee Cave, and Travis County, for coordinating the site review and approval processes, and for conducting plumbing inspections.

ATTACHMENT 2

WATER AND SEWER DEVELOPMENT POLICY FLOWCHART AND FORMS NON-STANDARD SERVICE/NO EXISTING AGREEMENT

GENERAL REQUIREMENTS FOR NON-STANDARD SERVICE

- Payment of annual Water Reservation Fees
- Payment of service extension costs and CIP upgrades (if needed) upfront or provision of financial guarantee in form acceptable to PUA
- Phase demand in unison with approved CIP program
- Service subject to 75/90 Guideline
- Applicant to submit detailed site plan or jurisdictional approved preliminary plat/plan (see Attachment 2-A)
- Less than 20 Water/Wastewater LUEs inside CCN approved by General Manager/all other Water LUEs and Wastewater LUEs approved by Board
- Impact Fees paid upfront prior to final plat or earlier if required to fund construction of capital improvements needed to provide service
- Determination that project will not have substantive impact to retail rates, system operations or Capital Improvements Plan, including calculation of impact fees
- Capacity commitment in NSSA based on WTCPUA planning service levels (see below)

**Planning Service Level
Out of Bee Cave**

**Planning Service Level In Bee Cave
See Page 3**

Outside Bee Cave City Limits and ETJ

Water quality protection measures must comply with one of three options:

- 1) September 1, 2000 USFWS Recommendations
- 2) TCEQ OEM without variance to TCEQ RG 348 Appendix A and B requirements Separate written approval of site-specific water quality measures by USFWS
- 3) Separate written approval of site-specific water quality measures by USFWS

**WTCPUA Determination of Service Level
Out of Bee Cave (Page 2)**

**WTCPUA Determination of Service Level
In Bee Cave (Page 3)**

WTCPUA Determination of Service Level Out of Bee Cave
(Choose EITHER Service Level A OR Service Level B)

WTCPUA to conduct Feasibility Review of Service Level Request

- WTCPUA Engineer to review Site Plan/Preliminary Plat for compliance with applicable water quality, zoning and platting requirements

Service Level A (NSSA):

- Sept 1 2000 USFWS Recommendations are implemented:
 - 1 LUE per gross site acre

Service Level B (NSSA) -

- For projects greater than 5 acres, Board **may** consider approving an NSSA for increased capacity beyond Service Level A if Applicant:
 - provides written TCEQ OEM approval for each development phase, without variance to TCEQ RG 348 Appendix A and B requirements for project; OR
 - provides separate written approval of site-specific water quality measures by USFWS; AND
 - provides certification of OEM compliance by an independent third party engineer (retained by the PUA and to be paid for by the Applicant) for pre and post construction (See forms at Attachment 2-B)
- For projects less than 5.0 acres: review by WTCPUA District Engineer for compliance with TCEQ RG 348 Appendix A & B requirements

**WATER AND SEWER DEVELOPMENT POLICY
FLOWCHART NON-STANDARD SERVICE/NO
EXISTING AGREEMENT
(IN BEE CAVE)**

**Planning/Water Quality Measures
In Bee Cave Limits and ETJ**

- Water quality protection measures must be in compliance with Bee Cave water quality requirements
- Service level determined in consideration of compliance with Bee Cave water quality, zoning, platting and site plan requirements

ATTACHMENT 2-A
(Site Plan/Preliminary Plat Requirements)
Final Plat / Site Plan Requirements

For every submittal review of either a preliminary plat or site plan, Applicant shall submit a preliminary plat or site plan that shows buffers and all planned improvements/features demonstrating conformance with water quality measures.

Water Quality Controls shall be based on Lower Colorado River Authority's Water Quality Management Guidance Manual dated July 1, 2007, as amended or updated from time to time.

ATTACHMENT 2-B
ENGINEER'S DESIGN CERTIFICATION

The undersigned person, a professional engineer licensed with the State of Texas, hereby certifies to the following:

1. I am generally familiar with the _____ Phase _____ subdivision (the "Subdivision"), commonly known as " _____ " which is part of a master planned development in Travis/Hays County, Texas (the "Master Development").
2. I am familiar with the Texas Commission on Environmental Quality's Edwards Aquifer Protection Program and, specifically, "Optional Enhanced Measures for the Protection of Water Quality in the Edwards Aquifer" published as an Appendix to the TCEQ's Regulatory Guidance Document RG-348 (February 14, 2005) approved by the United States Fish & Wildlife Service as an alternative to a no "take" determination under the Endangered Species Act ("OEM"). The OEM is incorporated herein by reference for all purposes.
3. In addition to conducting site visits of the Subdivision, I have reviewed the following plans and plats for the subdivision:
 - a. Subdivision plat of _____, Phase _____
 - b. Construction plans for _____, Phase _____
4. It is my opinion, as a professional engineer, that if the facilities contemplated by the above-referenced subdivision plans and plats are constructed and/or installed as contemplated, the Subdivision will be in substantial compliance with the OEM described in Paragraph 2 above, that pertain to stream buffers, permanent BMP implementation, TSS removal requirements, and measures to protect stream morphology. Furthermore, the plans, plats, deed restrictions and/or restrictive covenants for the Subdivision incorporate physical elements, such as stream buffers and permanent best management practices for the Subdivision, that are reasonably consistent with the OEM.

Signature

Printed Name

Date

Texas Registration Number

(seal)

ENGINEER'S CERTIFICATION OF ACCEPTANCE & COMPLETION

The undersigned person, a professional engineer licensed with the State of Texas, hereby certifies to the following:

1. I am generally familiar with the _____ Phase ____ subdivision (the "Subdivision"), commonly known as " _____ " which is part of a master planned development in Travis/Hays County, Texas (the "Master Development").

2. I am familiar with the Texas Commission on Environmental Quality's Edwards Aquifer Protection Program and, specifically, "Optional Enhanced Measures for the Protection of Water Quality in the Edwards Aquifer" published as an Appendix to the TCEQ's Regulatory Guidance Document RG-348 (February 14, 2005) approved by the United States Fish & Wildlife Service as an alternative to a no "take" determination under the Endangered Species Act ("OEM"). The OEM is incorporated herein by reference for all purposes.

3. In addition to conducting site visits of the Subdivision and having reviewed the plans and plats for the Subdivision, I have inspected the completed facilities:

4. Construction plans and plats for the Subdivision are filed as public records as follows:

5. It is my opinion, as a professional engineer, that the facilities were constructed as contemplated by the above-referenced Subdivision plans and plats and, accordingly, the Subdivision is in substantial compliance with the OEM described in Paragraph 2 above, that pertain to stream buffers, permanent BMP implementation, TSS removal requirements, and measures to protect stream morphology. Furthermore, the plans, plats, deed restrictions and/or restrictive covenants for the Subdivision incorporate physical elements, such as stream buffers and permanent best management practices for the Subdivision, that are reasonably consistent with the OEM.

(seal)

Signature _____

Printed Name _____

Date _____

Texas Registration Number _____

VII. STAFF REPORTS

ITEM A

General Manager's Report

November 18, 2024

Updates:

A Chlorine Chemical Conversion was implemented between October 7th and October 28th. PUA operations staff converted from chloramine disinfection to free chlorine in order to help rid distribution pipes of organic matter and improve the quality of water. This process was performed due to low chlorine residuals throughout the distribution system. The conversion process was successful and the system levels are adequate throughout the distribution lines.

Staff and consultants have completed the CIP study and related Impact Fee study. An Impact Fee Advisory Committee meeting was held on November 5th and November 13th as required by Ch. 395 rules. The committee has provided their recommendation for impact fee rates for board consideration.

PUA staff has been working with Halff and Associates on an application to the Bureau of Reclamation for a Water Energy and Efficiency Grant for the purchase and implementation of AMI smart meters. The PUA was awarded \$100,000 from the LCRA through a Cost Share Grant for this meter conversion project. Additional funds will help save the PUA money while implementing updated meter technology for our customers.

PUA staff is working on an updated website and new logo design to provide a new image for the PUA.

October Customer Disconnects:

113 delinquent notices were mailed to **Hwy. 290 customers** on 10/7/24.

- **15** accounts were disconnected on 10/24/24.

122 delinquent notices were mailed to **Hwy. 71 customers** on 9/24/24.

- **20** accounts were disconnected on 10/16/24.

Current Lake Levels (as of November 15th):

Combined storage of Lake Buchanan and Lake Travis is **1.069M acre/feet**.

- Lake Travis is 45% full.
- Lake Buchanan is 64% full.
-

Watering Restriction Update:

Due to cooler temperatures and increased rainfall chances, we are recommending moving to Stage 1 Watering Restrictions effective immediately. We are revising the watering hours in Stage 1 to mirror the times in Stage 2: 6:00 am – 10:00 a.m. and 7:00 p.m. – 10:00 p.m.

Personnel Update:

Leo Cruz started as the Operations Manager on October 15th.

ITEM B

West Travis County Public Utility Agency

2024 October

Statement of Net Position and Governmental Funds Balance Sheet

	General Fund	Rate Stabilization Fund	Facilities Fund	Debt Service Fund	Capital Projects Fund	Impact Fee Fund	Total Governmental Funds
Assets							
Cash & Cash Equivalents	26,211,390	2,027,504	2,462,199	12,805,720	24,946,487	4,797,978	73,251,278
Investments	8,413,194	3,375,680	6,488,091	14,022,641	27,352,826	32,177,730	91,830,162
Receivables	2,468,577	-	-	-	-	-	2,468,577
Prepaid Expense	20,000	-	-	-	-	-	20,000
Deposits	16,087	-	-	-	87,561	-	103,648
Inventory	337,105	-	-	-	-	-	337,105
Total Assets	37,466,354	5,403,184	8,950,290	26,828,361	52,386,874	36,975,708	168,010,770
Liabilities							
Accounts Payable	791,752	-	374,599	-	447,957	14,536	1,628,845
Refundable Deposits	2,376,885	-	-	-	-	-	2,376,885
Unearned Revenue	5,708,876	-	-	-	-	-	5,708,876
Other Accrued Liabilities	495,656	-	-	-	-	-	495,656
Total Liabilities	9,373,169	-	374,599	-	447,957	14,536	10,210,261
Fund Balances/Net Position							
Total Beginning Fund Balances/Net Position	28,423,531	5,420,378	8,267,891	25,690,956	51,850,628	35,828,479	155,481,863
Revenues Over (Under) Expenditures	(330,346)	(17,194)	307,800	1,137,405	88,289	1,132,693	2,318,645
Fund Balances							
Restricted	-	-	-	26,828,361	51,938,916	-	78,767,277
Committed	-	5,403,184	8,575,690	-	-	-	13,978,875
Assigned	-	-	-	-	-	36,961,172	36,961,172
Unassigned	28,093,185	-	-	-	-	-	28,093,185
Total Ending Fund Balances/Net Position	28,093,185	5,403,184	8,575,690	26,828,361	51,938,916	36,961,172	157,800,508
Total Liabilities and Fund Balances/Net Position	37,466,354	5,403,184	8,950,290	26,828,361	52,386,874	36,975,708	168,010,770

West Travis County Public Utility Agency

2024 October

Statement of Activities and Governmental Fund Revenues, Expenditures, and Changes in Fund Balances

	General Fund	Rate Stabilization Fund	Facilities Fund	Debt Service Fund	Capital Projects Fund	Impact Fee Fund	Total Governmental Funds
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Revenues

Program Revenues							
Water Revenue							
Retail Revenue	1,977,357	-	-	-	-	-	1,977,357
Wholesale Revenue	708,098	-	-	-	-	-	708,098
Impact Fee Revenue	-	-	-	-	-	1,485,335	1,485,335
Other Revenue	16,233	-	-	-	-	-	16,233
Wastewater Revenue							
Retail Revenue	364,369	-	-	-	-	-	364,369
Wholesale Revenue	85,940	-	-	-	-	-	85,940
FOG Revenue	16,500	-	-	-	-	-	16,500
SER Project Revenue							
Reservation Fee Revenue-Water	2,420	-	-	-	-	-	2,420
Construction Inspection Fees	24,847	-	-	-	-	-	24,847
Application & Engineering Review Fees	10,750	-	-	-	-	-	10,750
Total Program Revenues	3,206,514	-	-	-	-	1,485,335	4,691,849
General Revenues							
Other Income	2,201	-	-	-	-	-	2,201
Investment Income	26,521	12,904	23,232	57,929	118,102	114,093	352,781
Investment Unrealized Gain/Loss	(30,483)	(29,802)	(56,593)	(125,674)	(243,354)	(287,473)	(773,379)
Total General Revenues	(1,761)	(16,898)	(33,361)	(67,745)	(125,252)	(173,380)	(418,397)
Total Revenues	3,204,753	(16,898)	(33,361)	(67,745)	(125,252)	1,311,955	4,273,452

Expenditures/Expenses

Water Expense							
Utilities	193,199	-	-	-	-	-	193,199
Raw Water	138,709	-	-	-	-	-	138,709
Sludge Disposal	84,036	-	-	-	-	-	84,036
Payroll Expense	82,029	-	-	-	-	-	82,029
Chemicals	57,709	-	-	-	-	-	57,709
Repairs	36,471	-	-	-	-	-	36,471
Maintenance	27,197	-	-	-	-	-	27,197
Vehicle Expense	5,644	-	-	-	-	-	5,644
Other	8,980	-	-	-	-	-	8,980
Wastewater Expense							
Utilities	28,404	-	-	-	-	-	28,404
Payroll Expense	25,894	-	-	-	-	-	25,894
Sludge Disposal & LS Cleaning	24,252	-	-	-	-	-	24,252
Chemicals	18,248	-	-	-	-	-	18,248
Maintenance	15,214	-	-	-	-	-	15,214
Other	12,465	-	-	-	-	-	12,465
Shared Operations Expense							

West Travis County Public Utility Agency

2024 October

Statement of Activities and Governmental Fund Revenues, Expenditures, and Changes in Fund Balances

	General Fund	Rate Stabilization Fund	Facilities Fund	Debt Service Fund	Capital Projects Fund	Impact Fee Fund	Total Governmental Funds
Payroll Expense	135,709	-	-	-	-	-	135,709
Stock Supplies	22,355	-	-	-	-	-	22,355
Vehicle Expense	17,573	-	-	-	-	-	17,573
Other	7,360	-	-	-	-	-	7,360
SER Project Expense	15,984	-	-	-	-	-	15,984
Shared Admin Expense							
Insurance	218,184	-	-	-	-	-	218,184
Payroll Expense	179,712	-	-	-	-	-	179,712
Professional Services	30,107	296	328	471	692	771	32,667
Meters	18,315	-	-	-	-	-	18,315
Occupancy	17,701	-	-	-	-	-	17,701
Other Expense	238,648	-	-	-	-	14,536	253,184
Capital Outlay							
Facilities Fund Projects	-	-	75,178	-	-	-	75,178
Capital Projects Fund Projects	-	-	-	-	202,434	-	202,434
Total Expenditures/Expenses	1,660,099	296	75,506	471	203,126	15,307	1,954,807
Excess (Deficiency) of Revenues over Expenditures/Expenses	1,544,654	(17,194)	(108,867)	(68,216)	(328,378)	1,296,648	2,318,645
Other Financing Sources (Uses)							
Transfers In	-	-	416,667	1,205,621	416,667	-	2,038,955
Transfers Out	(1,875,000)	-	-	-	-	(163,955)	(2,038,955)
Total Other Financing Sources (Uses)	(1,875,000)	-	416,667	1,205,621	416,667	(163,955)	-
Net Change in Fund Balances/Net Position	(330,346)	(17,194)	307,800	1,137,405	88,289	1,132,693	2,318,645
Fund Balances/Net Position-Beginning of Period	28,423,531	5,420,378	8,267,891	25,690,956	51,850,628	35,828,479	155,481,863
Fund Balances/Net Position-End of Period	28,093,185	5,403,184	8,575,690	26,828,361	51,938,916	36,961,172	157,800,508

ITEM C

WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY

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



Operations Report

November 18, 2024

Water/Wastewater Department Update

Water Process Summary: September 2024

Water Treatment Plant	Actual
AVG Raw Water	12.647 MGD
AVG Treated	13.468 MGD
Peak Treated	15.749 MGD
AVG CFE Turbidity	0.10 NTU
AVG Chlorine	2.82 mg/L

Water Process Summary: October 2024

Water Treatment Plant	Actual
AVG Raw Water	13.163 MGD
AVG Treated	14.184 MGD
Peak Treated	16.259 MGD
AVG CFE Turbidity	0.13 NTU
AVG Chlorine	2.75 mg/L

Wastewater Process Summary: September 2024

Lake Point WWTP	Actual	Permit Limit
AVG Flow	0.451 MGD	0.675 MGD
MAX Flow	0.622 MGD	
AVG CBOD	5.00 mg/l	5 mg/l
AVG Fec.Coli	166.50 mg/l	20 mg/L
AVG NH3	8.10 mg/l	2 mg/L
AVG Turbidity	3.65 mg/l	3 mg/L

Bohls WWTP	Actual	Permit Limit
AVG Flow	0.187 MGD	0.325 MGD
MAX Flow	0.395 MGD	
AVG CBOD	1.88 mg/l	5 mg/L
AVG Fec.Coli	8.50 mg/l	20 mg/L
AVG NH3	0.11 mg/l	2 mg/L
AVG Turbidity	1.86 mg/l	3 mg/L

Wastewater Process Summary: October 2024

Lake Point WWTP	Actual	Permit Limit
AVG Flow	0.424 MGD	0.675 MGD
MAX Flow	0.545 MGD	
AVG CBOD	1.20 mg/l	5 mg/l
AVG Fec.Coli	105.70 mg/l	20 mg/L
AVG NH3	0.57 mg/l	2 mg/L
AVG Turbidity	1.21 mg/l	3 mg/L

Bohls WWTP	Actual	Permit Limit
AVG Flow	0.211 MGD	0.325 MGD
MAX Flow	0.371 MGD	
AVG CBOD	2.20 mg/l	5 mg/L
AVG Fec.Coli	1.20 mg/l	20 mg/L
AVG NH3	0.11 mg/l	2 mg/L
AVG Turbidity	1.78 mg/l	3 mg/L

Electromechanical Department Update

Water Treatment Plant

- Unit #2 Filter #2; replacement of air valve in process, waiting on adapter.
- Replaced control transformer in Unit #1 Effluent Actuator.
- Replaced various leaking air lines on Unit #2.
- Replaced Packing on HSP #4.
- Replaced sump pump in transfer pump building.

Raw Water Intake

- Contracted clean-up of easement vegetation.
- Replaced failed pilot system component.
- Performed PM on air compressor (Building A).

Pump Station #1

- Corrected faulted GST Fill valve.

Pump Station #2

- Ground Storage Tank #1 Fill Valve per 5yr plan.
 - Fill Valve is on site. installation schedule pending.
- Insulation jackets ordered for GST fill valves.

Pump Station #4

- Performed total rebuild of Bee Cave EST / Hamilton Pool PS diversion valve.

Pump Station #7

- Ordered Pump #4 replacement per 5-year plan.
 - The pump modifications have been completed, installation pending schedule.
- Pump Control Valve #4 replacement per 5-yr plan.
 - PCV is on site; installation will coincide with Pump #4.
- Replaced low flow ARV's on pumps 1-3 (1340).
- Replaced packing on Pump #2 (1340).
- Replaced control transformer in door actuator.
- Replaced broken gate hinge.

Dripping Springs EST

- Installation of generator sourced power for communication system.
 - Completed.

Lakepointe WWTP

- Replaced chain and sprocket on clarifier drive.
- Performed PM on Influent Pumps 1-4.
- Insulation jackets ordered for Effluent Pump Control valves.
- Replacement blowers arrived 11-12-24.
- Replaced coupling on filter #1 backwash pump.
- Replaced leaking weir plates on plant #1.

Bohls WWTP

- Performed PM on clarifier drive.
- Performed PM on Transfer Pumps 1&2.
- Insulation jackets ordered for Transfer Pump Control valves.
- Pulled Effluent pumps 1&2 for PM.
- Installed spray bar over clarifier.

Lift Station #1

- Installed pump #1 and pulled existing for PM.

Lift Station #4

- Ordered RTU Panel.

Lift Station #5

- Ordered RTU Panel.

Lift Station #9

- Ordered RTU Panel.

Lift Station #10

- Ordered RTU Panel.

Lift Station #11

- Installed new pump pulled existing for PM.

Lift Station #15

- Replaced back gate due to age.

Lift Station #16

- Generator replacement per 5-yr plan is on order.
 - Installation scheduled for the week of November 11th.
- Ordered Pump per 5-year plan.

-
- Pump has arrived.
 - Performed Electrical Survey PM.

Lift Station #17

- Replacement Soft Starters per 5-year plan are on-site, installation pending schedule.
 - Completed.

Lift Station #18

- Pump #2 in the shop due to cord damage. Installed spare.
- Ordered Pump per 5-year plan.

Line Maintenance Department Update

New Water Taps/ Connections:

- 10654 Signal Hill View
- 13003 S. Madrone Trail

Leak repairs:

- 160 Onion Creek Ln/ Long Service line leak
- 13575 Fitzhugh Rd/ 2" main line leak
- WWTP/ 12" force main leak
- Flagler & Springdale/ Replaced 4" PRV
- Flagler & Springdale/ Replaced 6" PRV
- 2301 Lake Stone/ Replaced leaking ARV

Hydrants:

- Raised Hydrant HWY 71 in front of the Galleria
- New Hydrant at 71 and 620
- 5816 Krause in Spanish Oak, repaired broken hydrant
- 204 Salt Grass Cv, repaired hydrant that was hit
- H&M at Galleria, repaired hydrant that was hit
- 7908 Lynchburg Dr, repaired hydrant that was hit

Street /Main Water Valves

- Valve survey on 71 side, Seven Oaks, Ashley Worth, Resaca, Crystal Creek, Patterson, Galena Hills
- Repaired concrete pad around valve stacks in – Zyle, Bear Creek, Kemp Hills, Bear Creek Pass, Friendswood, Hamilton Pool Rd, Madrone Ranch

Misc. repairs/projects:

- Shut out Hamilton Pool Rd & Twin Acres for test tie-in per Paul Pennybacker
- Assist Contractor with Potholing Paisano Trail
- Located main line with vac trailer Signal Hill view

-
- Inspect PRVs on 290 side

Operations Staff

Electro-Mechanical Dept.

- 1 open position – Electrician's Assistant

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: November 13, 2024

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

FROM: George Murfee, P.E.

RE: Engineer's Report – November 2024

MEC File No.: 11051.174

Current Items

Wastewater Flow

An updated figure tracking wastewater flows is attached.

Raw and Treated Water Flows

Figures are attached. Trend is typical.

Water-System Wide

Beneficial Water Recycling Project

Future meetings with the LCRA are being discussed to get permission to discharge BWR effluent and replace the injection and the pilot program. This project is on hold.

Uplands Water Treatment Plant Design

MEC has finalized the technical plans and specifications required by the TCEQ for technical review and approval to construct and is preparing to submit. The site development permit has been resubmitted to the city and the plat has been approved. MEC has received a first round of CoBC site plan review comments and is working to address them currently. The design team is preparing the bidding documents and intends to advertise the project in December.

Impact Fee Study

MEC has updated the Land Use Assumptions (LUAs) within the WTCPUA service planning area. We have reviewed the current customer service account summary and existing SER list for development of the updated LUA. The proposed 2024 CIP was presented in July and is incorporated into the Impact Fee Study. We coordinated with the staff and consultant team on the review of the Impact Fee Report and are presenting it for approval.

Alternative Water Supply

The draft report is being reviewed internally and will be provided to the PUA staff soon.

Water – SH71 System

Highway 620 Widening

No new updates. MEC and WTCPUA staff have begun coordination with TxDOT consultants for the Highway 620 widening project. We are investigating what facilities may conflict with the proposed road construction plans and identifying which utilities are in the ROW and which are in WTCPUA Easements, including water, wastewater and effluent facilities along Highway 620 and within Highway 71 at the intersection with Highway 620. Coordination is ongoing with the road design engineer for TxDOT, and we conducted an onsite meeting in July to discuss the approach and share additional information.

1080 Transmission Main

Segment B plans were resubmitted for review to the City of Bee Cave and to TXDOT (Texas Department of Transportation) in January 2022. All outstanding comments have been addressed except for easement acquisition which continues to be a schedule delay for the project. We continue to coordinate among the staff, attorney, the surveyor, and land acquisition agents. The remaining easements are necessary to complete the water main along Hamilton Pool Road, up to the WBPS. As part of this effort, we are coordinating with proposed developments that intend to submit a SER for water and wastewater service, which are prolonging the easement acquisition process.

Following action by the CoBC on the easement related to the MOU, the project construction has been limited to the construction from the Backyard to the existing 16" line at Hamilton Pool Road at Twin Acres Drive until the WTCPUA can acquire the easements under its own authority and we are coordinating with the consultant teams on those last remaining easements.

Austin Engineering continues to construct the waterline between the Backyard and Twin Acres Drive on Hamilton Pool Road. Once that section is complete in the next couple months, the transmission main will be in service between Uplands and Hamilton Pool Road.

Hamilton Pool Road Transmission Main No. 2

No new updates. Masonwood development is working on securing easements. Following easement acquisition by the developer or the WTCPUA, MEC will modify the plans as required and will submit site development plans for review to the reviewing agencies. The line will need to be oversized to a 20" or 24".

TC WCID 18 Emergency Interconnect

No new update. The project is under construction, and we are coordinating with the contractor and WTCPUA staff on the installations and a schedule for completion. The TCWCID 18 Engineer has requested temporary use of the interconnect for facility maintenance next winter.

Water – US290 System

Southwest Parkway Pump Station

Bids were received April 30, 2024. There were two bidders, and the final pricing was within 4% of each other. The project was bid and awarded to Payton Construction, Inc. A preconstruction

Conference was held. The contractor has asked us to review alteration of some items to decrease lead time and/or cost. These Items are being reviewed currently. Work has commenced on the site and submittals are being processed. Work with the Generator Installation project is being coordinated with the ongoing work for this project.

US 290 Parallel Transmission Main Design

Right of Entry (ROE) have been obtained for all easements, and the environmental work has been completed. We are responding to resident requests for site meetings for permanent and temporary easements and resident questions. Appraisals have been completed and offer letters delivered. We are continuing discussions with homeowners to acquire easements voluntarily. Currently, there are 9 easements left to finalize procurement of all segments. We will continue to analyze the existing easements and identify easement constraints that will require additional permanent or construction easements. Final SUE level B (field locations) and level A (field location including elevations) have been received and information is being incorporated into plan sets for conflict review

- Segment 2 is scheduled to be the first contract to be let for construction (from North of Circle Drive Pump Station to South of Hwy 71 ROW). MEC believes we have answered all comments and the final response to comments is being prepared for submittal to the City of Austin and Travis County. The Response is scheduled for submittal on Friday Sept 20. Preliminary SUE level B has been completed and is being incorporated into the plans to check for utility conflicts. SUE level A is proceeding, and completion is expected within the next few weeks. Segment 2 will be advertised for Bid Monday Sept 23, 2024. This will be a 60-day bidding period. Construction Cost Estimates are being prepared by both Murfee Engineering and an independent Contractor.
- Segment 3 update was submitted to the Travis County on 6/26. Travis county environmental comments were received on 7/5 and are being addressed. Preliminary SUE level B has been completed and is being incorporated into the plans to check for utility conflicts. SUE level A is proceeding, and completion is expected within the next few weeks. A response to comments is being prepared for the County and the City submittal is scheduled for submittal prior to October 7. Condemnation actions are pending.
- Segment 4 has completed preliminary horizontal design and profile design. Permit submittal will follow. Preliminary SUE level B has been completed and is being incorporated into the plans to check for utility conflicts. SUE level A is proceeding, and completion is expected within the next few weeks.
- Segment 1 has a completed preliminary horizontal design. Vertical preliminary profile design is in progress. Alternative alignments are being analyzed to avoid easement acquisition from TNC. Condemnation actions are pending. Preliminary SUE level B has been completed and is being incorporated into the plans to check for utility conflicts. SUE level A is proceeding, and completion is expected within the next few weeks.

Design surveys have been completed for all segments. Subsurface Utility Engineering (SUE) level D (records research) has been completed for all. Field work for environmental constraints identification is complete and the final report has been drafted and ready for submittal for all segments.

Bear Creek Pass Waterline Relocation

MEC and WTCPUA staff continue coordinating plans and ROW modifications with the County design Team. We have received County roadway design plans and have developed a plan for the waterline relocation. We have addressed comments from the WTCPUA staff and the county consultants. We have prepared bidding and contract documents, with a goal to bid the project following the final plan touches and pending the Hays County ROW acquisition.

1240 Conversion Waterline

Site development permits were received by Travis County and the City of Austin in July 2023. An alternative route between the Live Oaks Springs Subdivision and Highway 290 has been determined and easement exhibits necessary to further the acquisition planning are in process. Construction on the segment through the Live Oaks Springs subdivision to Derecho is proposed at this time to be conducted in phases. A site plan correction for the phased construction was approved in October by the City of Austin. The alternative alignment will continue to progress in the design and approval phase, and the construction of the original plan will consist of a phasing plan to begin the bidding process soon.

1240 Elevated Storage Tank

The project has reached substantial completion milestone status and the contractor is now working to complete site restoration. MEC met with the general contractor on 11/12 to complete a final walkthrough to confirm all work is substantially complete. MEC continues working toward project final completion and closeout.

Circle Drive Pump Station and Ground Storage Tank

The attorney is processing SB 2038 to obtain a release from the CoA ETJ to remove the City of Austin Impervious cover requirements to allow for a less restrictive footprint of facilities on the site. Work on this project has recommenced following our quarterly meeting with WTCPUA staff. A revised site plan layout is being designed for submittal to Travis County as the lead agent on the project review.

12 Inch Waterline Extension Hwy 290

Alternate routes are being considered. subsurface utility engineering has been analyzed for the alternative alignment options. ROE on the parcel with the existing PUE is secured. Alternate parcel is willing to provide easement, pending further discussions. Easement appraisal has been received. An alignment has been determined and we are awaiting an easement from Endeavor.

Wastewater – US290 System

Bohls Wastewater Treatment Plant Expansion Design

MEC awaits the requisite flow data from the PUA operations team containing historical metered flows for the Bohls WWTP facility to calculate and finalize the design with the actual system peaking factor.

MEC met with with PUA staff on 10/31 to confirm the desire is to move forward with two 0.5 MGD trains in a single phase based on projected demands and consideration for how it will impact wastewater impact fees. MEC has begun the process of updating the site layout for staff review and is in the process of revising the design scope to engage the necessary subconsultant team to proceed with technical design and permitting.

Lake Pointe Lift Station Rehab

The bypass pumping plan coordinated between the contractor, WTCPUA operations staff, and MEC has been operational since May. The contractor has completed the liner installation and continues to install the remaining site improvements with a scheduled substantial completion of the lift station rehab in the upcoming weeks. We have been coordinating with the operation staff on addressing odor complaints received by the nearby residents.

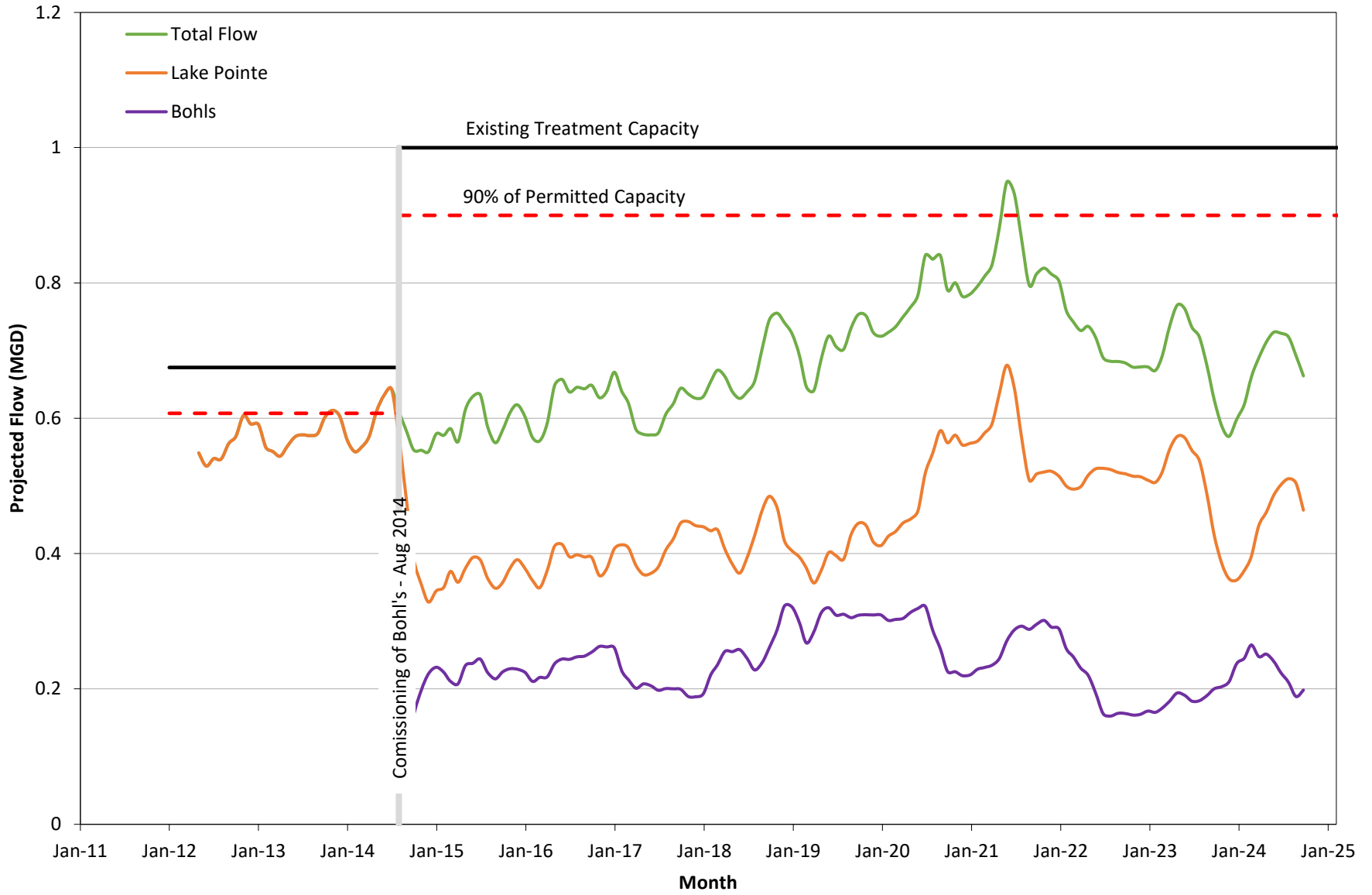
Wastewater Permit Renewal and Minor Amendment

All technical comments have been addressed and the soils analysis report has been submitted to the TCEQ. The technical permit writer has been reassigned and MEC is waiting for the draft permit to be published for review. The current permit expires November 13, 2024.

Preliminary Engineering Report for the Development of 50,000 gpd of Effluent Drip Fields at Falconhead West Property

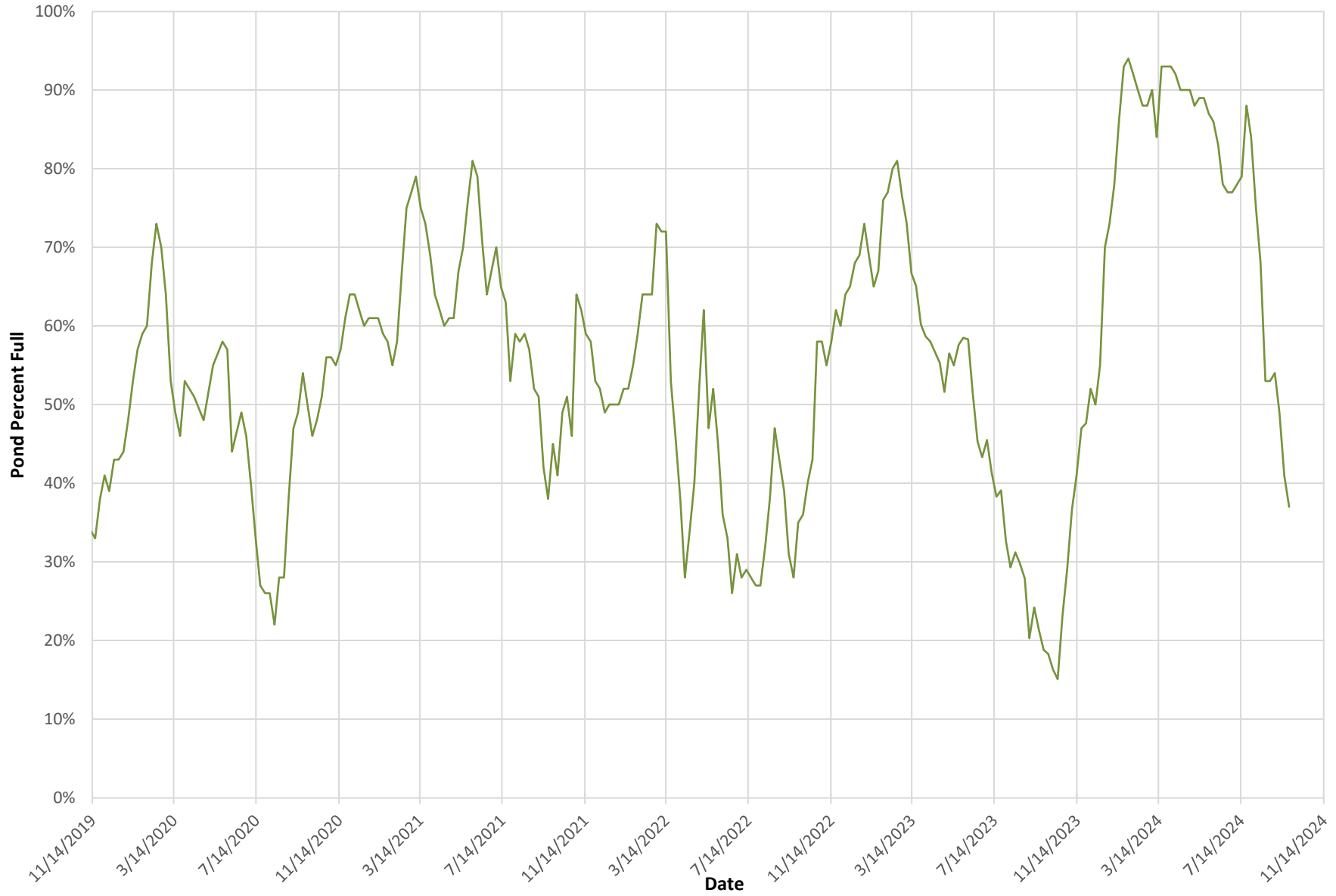
MEC has generated preliminary alignment alternatives and proposed pump station locations for the proposed force main to extend the existing effluent distribution system to the drip fields. MEC is finalizing real estate needs and generating estimates of construction costs for each alignment with considerations to be included as part of the overall preliminary engineering report.

WTCPUA Wastewater 3-Month Average Daily Flow

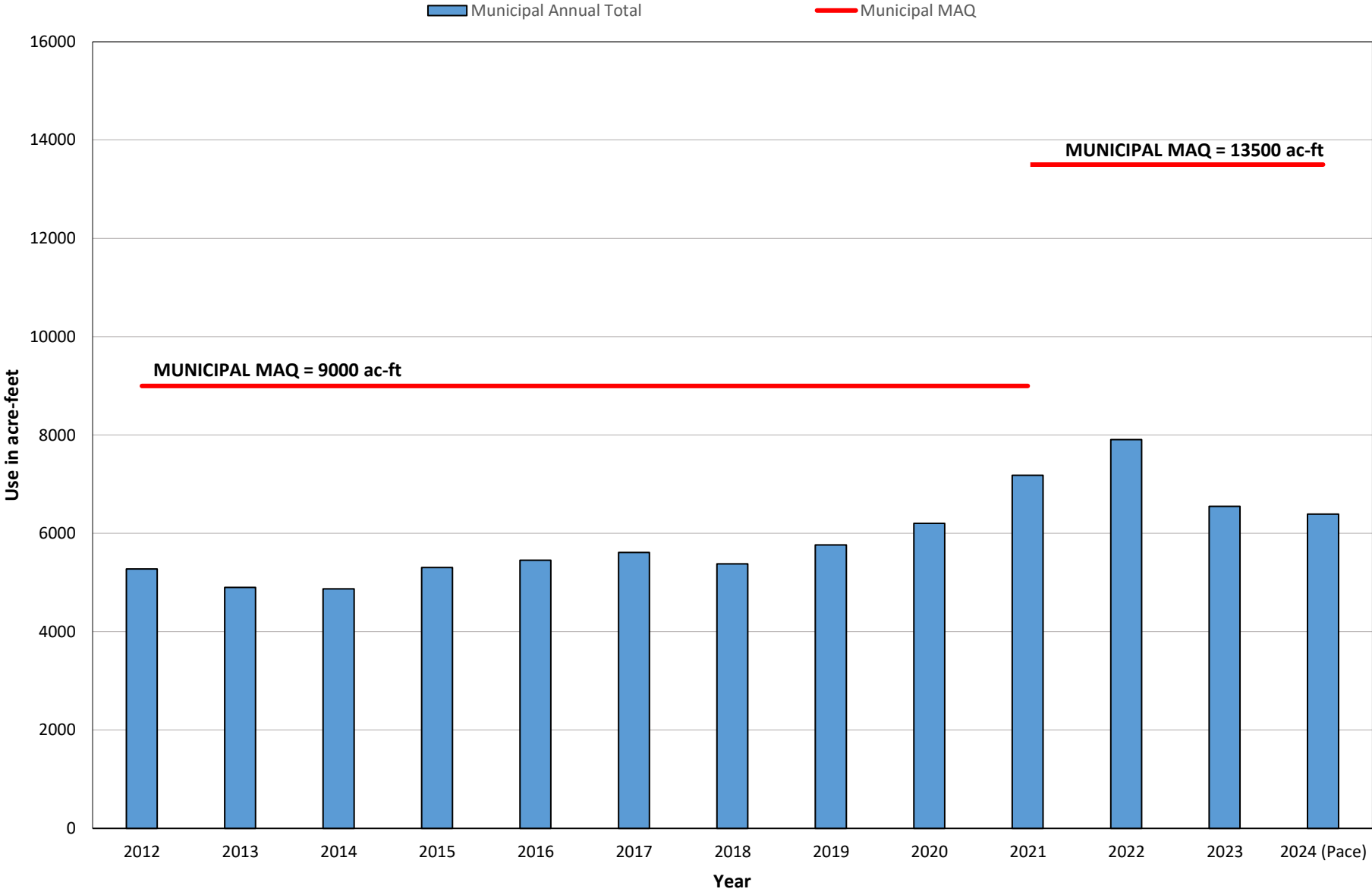


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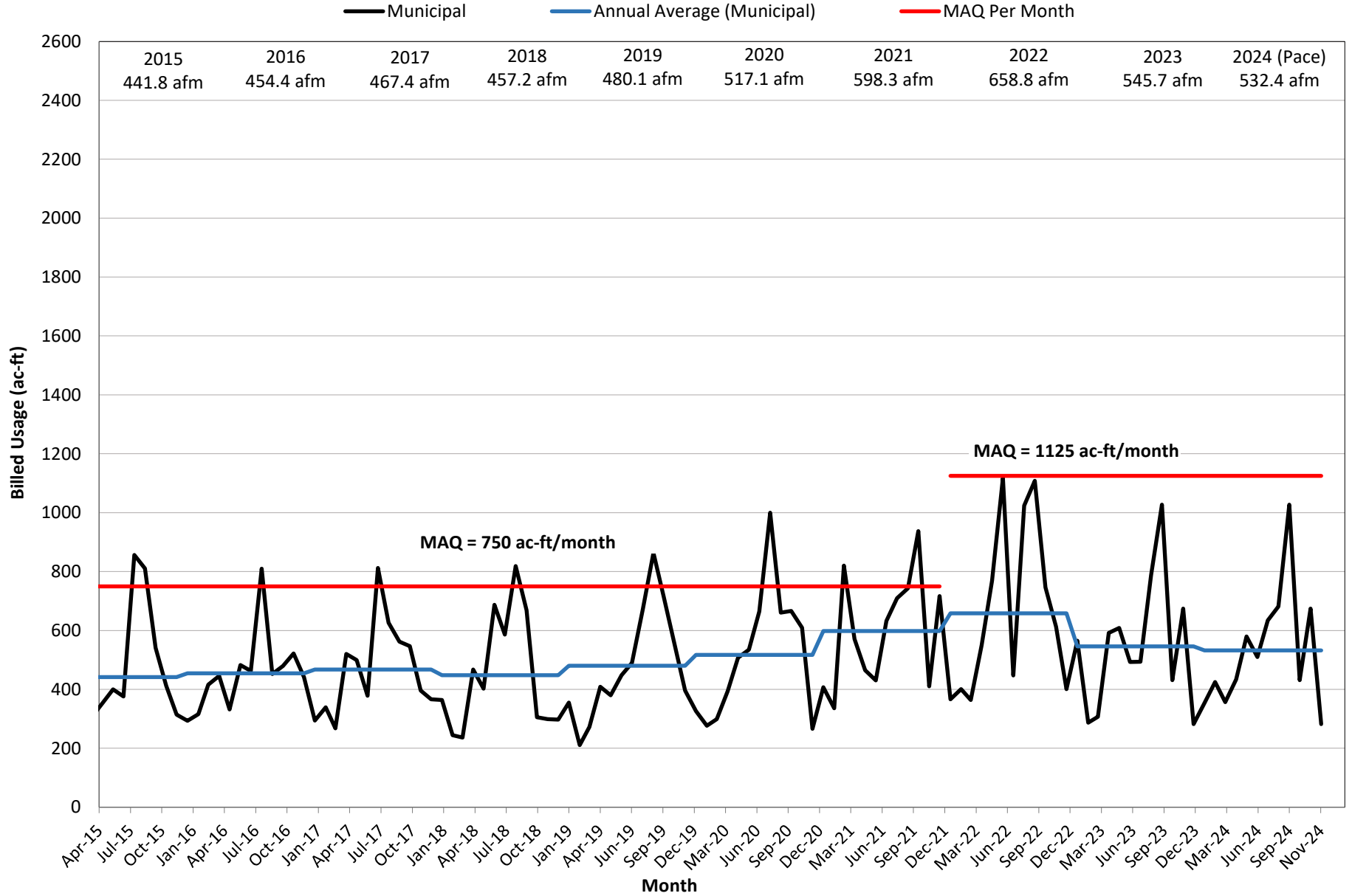
WTCPUA 5 Year Combined Effluent Pond Levels



WTCPUA Annual Cumulative Municipal Raw Water Use

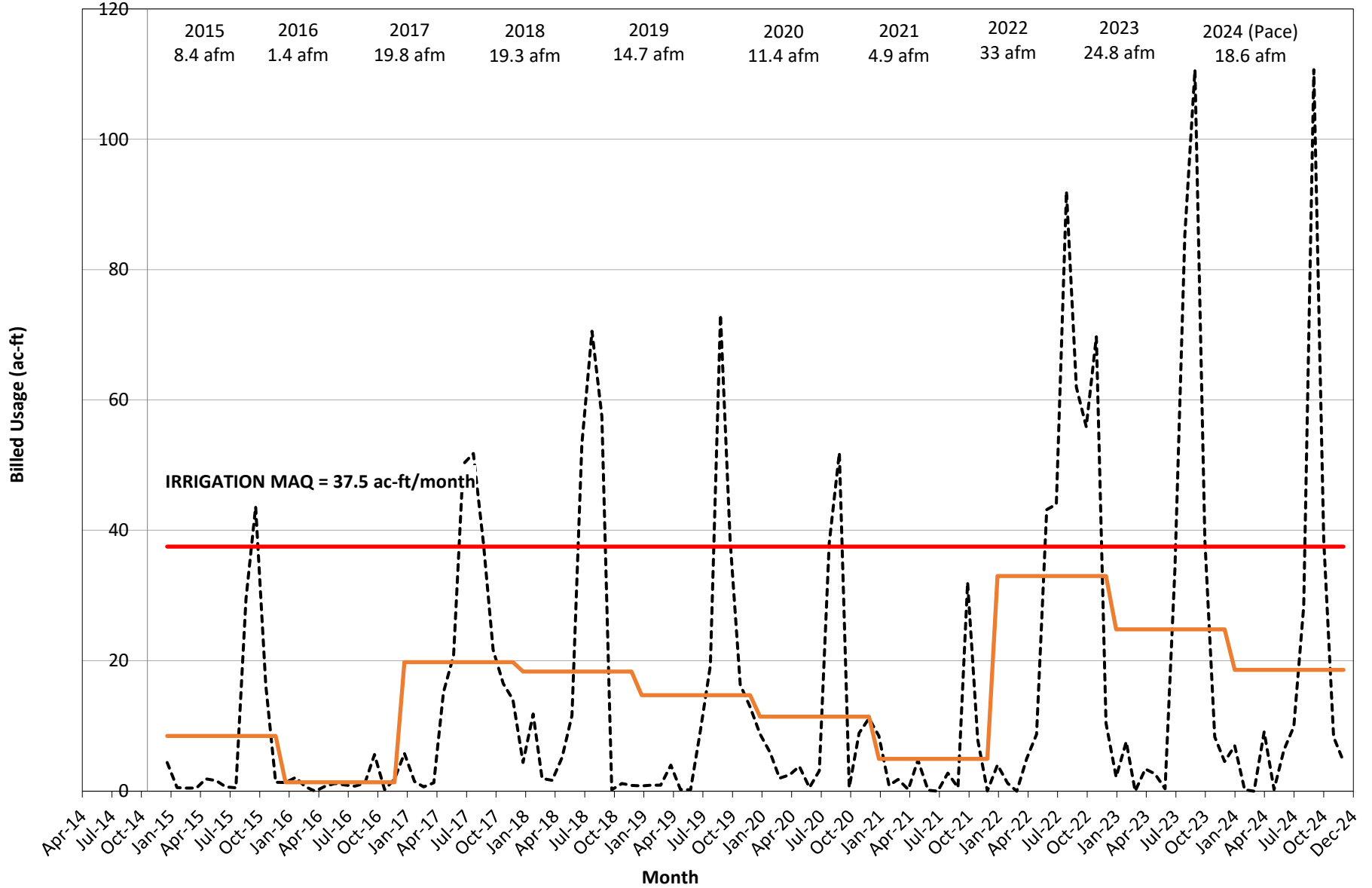


WTCPUA Municipal Raw Water Usage

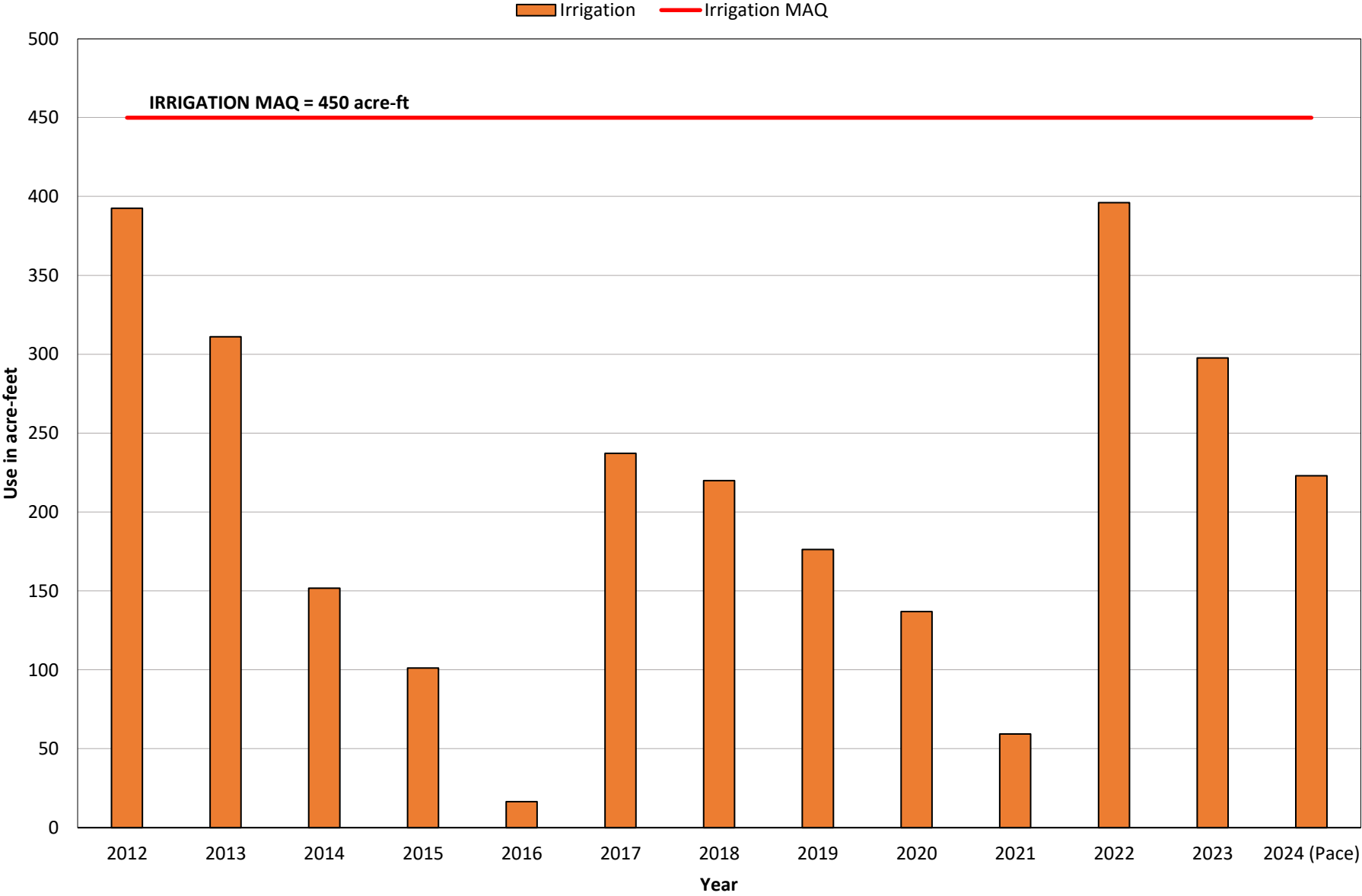


WTCPUA Irrigation Raw Water Usage

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



WTCPUA Annual Cumulative Irrigation Raw Water Use



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WTCPUA Uplands Water Treatment Plant Production Annual Production

