

VII. NEW BUSINESS

ITEM E



Murfee Engineering Company

October 10th, 2018

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 1340 Transmission Main
Request for Adjustment to Project Budget
MEC File: 11051.89d**

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.

The primary reasons for the request are that 1. significant design coordination beyond that which was anticipated was required to negotiate preliminary plans for proposed development along US290 and 2. more extensive utility conflicts than anticipated have been identified during construction that require design and construction coordination efforts.

Owing to the critical nature of the imbalance in capacity and connections served by the existing, aging 8" 1308 transmission facilities, design and easement procurement for the line were pursued simultaneously. The estimated project schedule acceleration resulting from this strategy is 18-24 months—a worthwhile endeavor but not without tradeoffs. As we entered easement negotiation with parties along the route, we had to coordinate with landowner and developer plans in various stages of progress, up to and including active construction. The coordination effort required to procure the easements required extensive back-and-forth with landowners and significant design adjustments following feedback that had not been planned for. A greater effort than anticipated has also been required to navigate utility conflicts along the alignment.

The original design for this project included extensive effort to identify and indicate existing utilities located within the design corridor for the proposed transmission main, including gas and fiber optic lines as well as the WTCPUA's own 1308 and 1420 transmission and distribution facilities, as identified in the Preliminary Engineering Report. Contacts were made with all utility parties and design information exchanged, as well as utility locate calls prior to design survey and extensive review of "as built" information available for WTCPUA facilities. What has been discovered during the contractor's utility conflict identification excavations is that, primarily the WTCPUA's own facilities, are not located as indicated on "as built" record information, requiring significant design adjustments to avoid conflicts with existing, active lines. To date S.J. Louis has

submitted 10 Requests for Information (RFIs) seeking guidance on alignment revisions to navigate conflicts. While in particular dry utility conflict resolution was anticipated, the extent of the conflicts requiring complex solutions involving multiple fittings and offsets to change alignment and avoid existing waterlines was not budgeted.

Some allowance was made in the original budget to accommodate unanticipated work and/or additional efforts required for some known tasks, however the extent of the additional efforts has outstripped the allowance. The conflicts encountered have caused delays in the production schedule and expedient resolution has been our priority to keep the project moving. We have estimated the engineering fees required to finish out the project, having identified and made significant progress toward resolving all utility conflicts as presented in more detail in the attached manpower estimate, and respectfully request that the Board consider approval of an additional \$50,000 in construction administration budget, which includes some outside fees for additional survey work required as a part of the conflict resolution. Should the Board approve this request, the adjusted total amount of engineering fees for design, approval, and construction administration of the project is 14.3% of the initial contract amount, as described in more detail below. The original approval in August 2015 was for time and materials with an estimated fee total of \$246,000. Table 1 segregates the project budget by design, approval and construction administration task IDs.

Table 1: Original Project Budget by Task

Task Description	Amount
Task B: Preparation/Approval of Plans & Specifications	\$146,000
Task C: Hays County/TCEQ/City of Dripping Springs Permit Processing	\$50,000
Task D: Construction Administration	\$50,000
TOTAL	\$246,000

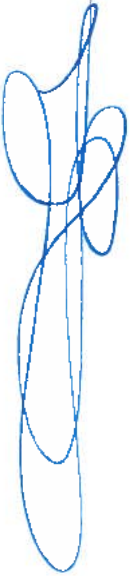
A budget amendment for an additional \$34,730 (added to Task B) was approved in November 2017 to account for an oversight in the fee estimate for design survey required for the project. That amendment increased the authorized budget to \$280,730. Also noted at that time were the additional efforts involved in coordinating with developers along US290 for easements as described above, though it was thought and conveyed to the Board that efficiencies in the permitting process would be able to accommodate the additional time required. Table 2 below provides a summary of the changes.

Table 2: Cost Summary

Description	Date	Amount
Original budget	August 2015	\$246,000
Amendment for inclusion of survey	November 2017	\$34,730
Proposed amendment for additional effort	October 2018	\$50,000
	TOTAL ENGINEERING FEES	\$330,730
Construction contract value	February 2018	\$2,313,549.42
	ENGINEERING FEES (%)	14.3%

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

Sincerely,

A handwritten signature in blue ink, consisting of several overlapping loops and a long horizontal stroke at the bottom.

Dennis Lozano, P.E.
Vice President

CC: Robert Pugh, P.E., General Manger – WTCPUA

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

MANPOWER & BUDGET ESTIMATE

Client: WTCPUA								
Project: WTCPUA-1340 TM-MEC Request for Additional Engineering Fees								
	Task	Employee Classification	Project					
			Managing Engineer	Project Manager	Administration Associate	Engineering Technician I	Senior CAD Design Technician	CAD Design Technician
		Hourly Rate	\$250	\$175	\$80	\$95	\$165	\$110
	1. Construction Admin. Oct '18 to Feb '19	15	115	160	20	24		
	2. Easement Negotiation Ledge Stone	5	10					
Total Hours Labor Cost								
		334	\$	42,535.00				
		15	\$	3,000.00				
		0	\$	-				
		0	\$	-				
		0	\$	-				
		349	\$	45,535.00				
Outside Services								
	1. Survey Location of Existing Utilities							
	2. Survey Exhibit Ledge Stone Dr.							
			\$	3,968.00				
			\$	497.00				
			\$	-				
			\$	-				
			\$	-				
TOTAL \$ 50,000.00								

Notes:

MEMORANDUM

Date: November 2, 2018

To: Dennis Lozano | Murfee Engineering

From: Steve Paulson | aci consulting

Re: Section 10(a)(1)(B) Incidental Take Permit for the West Travis County Public Utility Agency/Additional Costs

Dennis,

As you are aware, the West Travis County Public Utility Agency (WTCPUA) has recently been authorized by the U.S. Fish and Wildlife Service (USFWS) and the U.S. Army Corps of Engineers (USACE) to construct and operate a water line through endangered species preserve land owned and managed by West Travis County Municipal Utility District #5 (MUD #5).

The regulatory authorizations will allow the WTCPUA to cause “take” of the federally-listed golden-cheeked warbler (GCWA) within a GCWA preserve; and, discharge into jurisdictional waters of the U.S. (WOTUS) under the rules and regulations of the Endangered Species Act (ESA) and the Clean Water Act—Section 404 (Section 404).

Resolving ESA Issues

The proposed water line will cross an endangered species preserve set aside as mitigation for “take” associated with two other Section 10(a)(1)(B) incidental take permits (Lake Point 10(a)). The two preserve areas are also included in the south Lake Austin macrosite which satisfies the macrosite preserve and mitigation requirements for a regional Section 10(a)(1)(B) incidental take permit known as the Balcones Canyonslands Plan (BCP).

Because of these extraordinary circumstances, the review and authorization process took a great deal of time to negotiate with the USFWS local office. USFWS expressed apprehension concerning the water line resulting in increased fragmentation of the macrosite preserve system. The trepidation of USFWS required WTCPUA to provide additional justification to alleviate concern.

After many issues, questions, and much frustration, the Environmental Assessment/Habitat Conservation Plan that is the basis for the Section 10(a)(1)(B) incidental take permit was approved at the local office of USFWS and the permit and associated documentation was sent to the regional office in Albuquerque, New Mexico for additional review and approval.

The USFWS Regional Office had many questions given the nature of the permit request to build in an endangered species preserve. This request to build within a recognized preserve and mitigation area is an unusual request, not only because of the location issues, but also at a time when the USFWS is in flux given the federal administration change.

Once we addressed all of the concerns from the Regional Office, it was sent to the USFWS and Interior Department headquarters in Washington, D.C., where new rules about review of all department permits were recently established. This resulted in further questions and additional information requests. This was all done in a free-flowing manner and you never knew which questions would come up next.

The process took nineteen more months before the permit was finally issued. We were in contact with USFWS on a regular basis throughout this time with the majority of the work occurring during the months between the Public Comment Period closing and the permit final issued. It took (way) more time than necessary but given the sensitivity of the location of the water line and the changing internal rules at USFWS and USACE we could not get them to speed up the project authorization without risking any negative responses that could have made us go through the whole process again.

Resolving Clean Water Act--Section 404 Issues

An applicant is required to seek authorization from the USACE and the EPA under Section 404 when activities (dredging or filling) occurs within WOTUS. One WOTUS will be impacted by the construction of this water line.

Up until the time that WTCPUA submitted the information to USACE and USFWS regarding the water line, it was standard operating procedure to place the entire length of the water line within Section 7 of the ESA, not Section 10. However, USACE decided right at the time of our request to require only review of Section 404 issues only within the WOTUS area and not the entire water line. This created two problems. First, Section

7 requires agencies to confer on ESA issues with USFWS within a specified time period. WTCPUA lost that time requirement when most of the line was under Section 10 which has no time frame. Second, it eliminated the ability of WTCPUA to avoid public comments which also slows down the process.

So, the WTCPUA was left with processing two ESA authorizations, one though Section 10 of the ESA and one through the Section 7 process. Most of the discussions were with the USFWS regarding review and authorization processes. Still, final resolution regarding discussions with USACE on how to coordinate and conclude Section 404 and Section 7 Consultation were necessary.

Other agencies and quasi-governmental organizations that we interacted with included the Travis County BCP staff, City of Austin Environmental Department, City of Bee Cave staff, and MUD #5 representatives. It took us time, but when it was all said and done all parties understood the necessity of the project and the sensitivity demonstrated by WTCPUA.

Additional Cost Incurred

The original contract between aci consulting and Murfee Engineering signed on 10/24/2014 describes the agreement between aci consulting and Murfee Engineering. The fourteen original tasks are described below.

Task	Description	Cost
Task 1	Desktop Analysis	\$7,000.00
Task 2	Waters Assessment	\$8,000.00
Task 3	Habitat Evaluation	\$7,000.00
Task 4	Cultural Resource Survey	\$8,000.00
Task 5	Nationwide Permit Application	\$18,000.00
Task 6	Biological Assessment for Section 7 Consultation	\$26,000.00
Task 7	Major Amendment to the Lake Pointe Section 10(a)(1)(B) Incidental Take Permit	\$31,000.00
Task 8	USACE Comment Response – NWP	\$11,000.00
Task 9	USFWS Comment Response – BA	\$18,000.00
Task 10	USFWS Comment Response – Major Amendment	\$21,000.00

Task 11	TxDOT Categorical Exclusion	\$18,000.00
Task 12	City of Bee Cave Environmental Assessment	\$5,000.00
Task 13	Agency Coordination	\$36,000.00
Task 14	Project Management and Coordination	\$24,000.00
Total		\$238,000.00

Addendum 1

The additional cost can be placed within two tasks within the contract between aci consulting and Murfee Engineering. Task 15 was initiated to resolve issues related to USACE and Task 16 was initiated to resolve issues with USFWS.

Task	Description	Cost
Task 15	Resolving issues with USACE for Section 404 and Section 7 Consultation Issues	\$6,000.00
Task 16	Section 10, Section 7 Consultation, and associated agency discussions	\$40,000.00
Total		\$46,000.00

Addendum 2

Additional costs can be placed within three tasks within the contract between aci consulting and Murfee Engineering. Task 15 required additional work, while Tasks 17 and 18 were initiated to finalize Tasks 15 and 16, respectively. Over the nineteen-month coordination, the total costs of Task 15, 17, and 18 are summarized in the table below.

Task	Description	Cost
Task 15	Resolving issues with USACE for Section 404 and Section 7 Consultation Issues	\$302.00
Task 17	Additional cost for out of budget completion of Task 15	\$4,220.00
Task 18	Additional cost for out of budget completion of Task 16	\$27,130.00
Total		\$31,652.00



Invoice

Bill To	
Murfee Engineering George Murfee 1101 Capital of Texas Hwy South Bldg D, Site 110 Austin, Texas 78746	

Past Due

2018-377		Balance
\$		3,162.50
Date		Due Date
30 Apr 2017		30 Apr 2017
Project		
27-14-081 WTCPUA Raw Water Trans Main No. 2		

Comments

This invoice is attributed to time and expense from April 1, 2017 to April 30, 2017. aci consulting is a division of aci group, LLC

Fixed Fee

Description	Contract	Prior	To Date	Current
Task 15: Additional USACE Comment Response, Coordination, and Permitting Activities	6,000.00	6,000.00	100%	302.50
Task 17: Supplemental to Task 15	4,220.00		850.00	850.00
Task 18: Supplement to Task 16	27,130.00		2,010.00	2,010.00
	37,350.00	6,000.00	9,162.50	3,162.50

Total	\$	3,162.50
Payments	\$	
Balance	\$	3,162.50

Payment Terms

All payments are due within 30 days. Please make your payment promptly.

Includes Time Slips between the dates of 4 Apr 2017 and 19 Apr 2017

	Mileage	Hours	Value
27-14-081 WTCPUA Raw Water Trans Main No. 2			
 Task 15: Additional USACE Comment Response, Coordination, and Permitting Activities			
Megan Lamont		2.75	302.50
 Task 15: Additional USACE Comment Response, Coordination, and Permitting Activities			
		2.75	302.50
 Task 17: Supplemental to Task 15			
Stephen Meyer		6.00	660.00
Steve Paulson		1.00	190.00
 Task 17: Supplemental to Task 15			
		7.00	850.00
 Task 18: Supplemental to Task 16			
Stephen Meyer		1.00	110.00
Steve Paulson		10.00	1,900.00
 Task 18: Supplemental to Task 16			
		11.00	2,010.00
27-14-081 WTCPUA Raw Water Trans Main No. 2			
		20.75	3,162.50
 Task 18: Supplemental to Task 16			
		20.75	3,162.50



Invoice

2018-378		Balance
		\$ 870.00
Date	Due Date	Project
31 May 2017	31 May 2017	27-14-081 WTCPUA Raw Water Trans Main No. 2

Bill To

Murfee Engineering
George Murfee
1101 Capital of Texas Hwy South
Bldg D, Ste 110
Austin, Texas 78746

Past Due

Comments

This invoice is attributed to time and expense from May 1, 2017 to May 31, 2017. aci consulting is a division of aci group, LLC

Fixed Fee

Description	Contract	Prior	To Date	Current
Task 18: Supplement to Task 16	27,130.00	2,010.00	7%	2,880.00 11% 870.00
	27,130.00	2,010.00	2,880.00	870.00

Total \$	870.00
Payments \$	
Balance \$	870.00

Payment Terms

All payments are due within 30 days. Please make your payment promptly.

Includes Time Slips between the dates of 10 May 2017 and 30 May 2017

	Mileage	Hours	Value
27-14-081 WTCPUA Raw Water Trans Main No. 2			
Task 18: Supplement to Task 16			
Stephen Meyer		1.00	110.00
Steve Paulson		4.00	760.00
Task 18: Supplement to Task 16			5.00 870.00
27-14-081 WTCPUA Raw Water Trans Main No. 2			5.00 870.00
			5.00 870.00



Invoice

		Balance	
2018-379		\$	680.00
Date			Due Date
30 Jun 2017			30 Jun 2017
Project			
27-14-081 WTCPUA Raw Water Trans Main No. 2			

Bill To	
Murfee Engineering	
George Murfee	
1101 Capital of Texas Hwy South	
Bldg D, Ste 110	
Austin, Texas 78746	

Past Due

Comments

This invoice is attributed to time and expense from June 1, 2017 to June 30, 2017. aci consulting is a division of aci group, LLC

Fixed Fee

Description	Contract	Prior	To Date	Current
Task 18: Supplement to Task 16	27,130.00	2,880.00	11%	3,560.00
	27,130.00	2,880.00		680.00

Total	\$	680.00
Payments	\$	
Balance	\$	680.00

Payment Terms

All payments are due within 30 days. Please make your payment promptly.

Includes Time Slips between the dates of 8 Jun 2017 and 12 Jun 2017

	Mileage	Hours	Value
27-14-081 WTCPUA Raw Water Trans Main No. 2			
 Task 18: Supplement to Task 16			
Stephen Meyer		1.00	110.00
Steve Paulson		3.00	570.00
Task 18: Supplement to Task 16			680.00
27-14-081 WTCPUA Raw Water Trans Main No. 2			
		4.00	680.00
		4.00	680.00
		4.00	680.00



Invoice

2018-380		Balance	
\$		1,440.00	
Date			Due Date
31 Jul 2017			31 Jul 2017
Project			
27-114-081 WTCPUA Raw Water Trans Main No. 2			

Bill To
Murfee Engineering
George Murfee
1101 Capital of Texas Hwy South
Bldg D, Ste 110
Austin, Texas 78746

Past Due

Comments

This invoice is attributed to time and expense from July 1, 2017 to July 31, 2017. aci consulting is a division of aci group, LLC

Fixed Fee

Description	Contract	Prior	To Date	Current
Task 18: Supplement to Task 16	27,130.00	3,560.00	13% 5,000.00	18% 1,440.00
	27,130.00	3,560.00	5,000.00	1,440.00

Total	\$	1,440.00
Payments	\$	
Balance	\$	1,440.00

Payment Terms

All payments are due within 30 days. Please make your payment promptly.

Includes Time Slips between the dates of 14 Jul 2017 and 19 Jul 2017

	Mileage	Hours	Value
27-14-081 WTCPUA Raw Water Trans Main No. 2			
 Task 18: Supplement to Task 16			
Stephen Meyer		1.00	110.00
Steve Paulson		5.00	950.00
Kevin Ramberg		2.00	380.00
Task 18: Supplement to Task 16			8.00 1,440.00
27-14-081 WTCPUA Raw Water Trans Main No. 2			
			8.00 1,440.00
			8.00 1,440.00



Invoice

Balance	
2018-381	\$ 1,390.00
Date	Due Date
31 Aug 2017	31 Aug 2017
Project	
27-14-081 WTCPUA Raw Water Trans Main No. 2	

Bill To
Murfee Engineering
George Murfee
1101 Capital of Texas Hwy South
Bldg D, Ste 110
Austin, Texas 78746

Past Due

Comments

This invoice is attributed to time and expense from August 1, 2017 to August 31, 2017. aci consulting is a division of aci group, LLC

Fixed Fee

Description	Contract	Prior	To Date	Current
Task 18: Supplement to Task 16	27,130.00	5,000.00	18%	6,390.00
	27,130.00	5,000.00		1,390.00

Total	\$	1,390.00
Payments	\$	
Balance	\$	1,390.00

Payment Terms

All payments are due within 30 days. Please make your payment promptly.

Includes Time Slips between the dates of 7 Aug 2017 and 30 Aug 2017

	Mileage	Hours	Value
27-14-081 WTCPUA Raw Water Trans Main No. 2			
 Task 18: Supplement to Task 16			
Stephen Meyer		4.00	440.00
Steve Paulson		1.00	190.00
Kevin Ramberg		4.00	760.00
Task 18: Supplement to Task 16			9.00 1,390.00
27-14-081 WTCPUA Raw Water Trans Main No. 2			9.00 1,390.00
			9.00 1,390.00



Invoice

		Balance
2018-382		\$ 1,420.00
Date		Due Date
31 Oct 2017		31 Oct 2017
Project		
27-14-081 WTCPUA Raw Water Trans Main No. 2		

Bill To
Murfee Engineering George Murfee 1101 Capital of Texas Hwy South Bldg D, Ste 110 Austin, Texas 78746

Past Due

Comments

This invoice is attributed to time and expense from October 1, 2017 to October 31, 2017. aci consulting is a division of aci group, LLC

Fixed Fee

Description	Contract	Prior	To Date	Current
Task 18: Supplement to Task 16	27,130.00	6,390.00	24% 7,810.00	29% 1,420.00
	27,130.00	6,390.00	7,810.00	1,420.00

Total	\$	1,420.00
Payments	\$	
Balance	\$	1,420.00

Payment Terms

All payments are due within 30 days. Please make your payment promptly.

Includes Time Slips between the dates of 4 Oct 2017 and 18 Oct 2017

	Mileage	Hours	Value
27-14-081 WTCPUA Raw Water Trans Main No. 2			
 Task 18: Supplement to Task 16			
Stephen Meyer		6.00	660.00
Steve Paulson		2.00	380.00
Kevin Ramberg		2.00	380.00
Task 18: Supplement to Task 16			10.00 1,420.00
27-14-081 WTCPUA Raw Water Trans Main No. 2			
			10.00 1,420.00
			10.00 1,420.00



Invoice

2018-383		Balance
\$		1,440.00
Date	Due Date	
30 Nov 2017	30 Nov 2017	
Project		
27-14-081 WTCPUA Raw Water Trans Main No. 2		

Bill To
Murfee Engineering George Murfee 1101 Capital of Texas Hwy South Bldg D, Ste 110 Austin, Texas 78746

Past Due

Comments

This invoice is attributed to time and expense from November 1, 2017 to November 30, 2017. aci consulting is a division of aci group, LLC

Fixed Fee

Description	Contract	Prior	To Date	Current
Task 18: Supplement to Task 16	27,130.00	7,810.00	29% 9,250.00	34% 1,440.00
	27,130.00	7,810.00	9,250.00	1,440.00

Total \$	1,440.00
Payments \$	
Balance \$	1,440.00

Payment Terms

All payments are due within 30 days. Please make your payment promptly.

Includes Time Slips between the dates of 1 Nov 2017 and 30 Nov 2017

	Mileage	Hours	Value
27-14-081 WTCPUA Raw Water Trans Main No. 2			
 Task 18: Supplement to Task 16			
Stephen Meyer		1.00	110.00
Steve Paulson		4.00	760.00
Kevin Ramberg		3.00	570.00
		8.00	1,440.00
 Task 18: Supplement to Task 16			
27-14-081 WTCPUA Raw Water Trans Main No. 2			
		8.00	1,440.00
		8.00	1,440.00



Invoice

2018-384		Balance	
		\$	820.00
Date	Due Date	Project	
31 Jan 2018	31 Jan 2018	27-14-081 WTCPUA Raw Water Trans Main No. 2	

Bill To
Murfee Engineering George Murfee 1101 Capital of Texas Hwy South Bldg D, Ste 110 Austin, Texas 78746

Past Due

Comments

This invoice is attributed to time and expense from January 1, 2018 to January 31, 2018. aci consulting is a division of aci group, LLC

Fixed Fee

Description	Contract	Prior	To Date	Current
Task 17: Supplemental to Task 15	4,220.00	850.00	20% 1,070.00	25% 220.00
Task 18: Supplement to Task 16	27,130.00	9,250.00	34% 9,850.00	36% 600.00
	31,350.00	10,100.00	10,920.00	820.00

Total	\$	820.00
Payments	\$	
Balance	\$	820.00

Payment Terms

All payments are due within 30 days. Please make your payment promptly.

Includes Time Slips between the dates of 8 Jan 2018 and 9 Jan 2018

	Mileage	Hours	Value
27-14-081 WTCPUA Raw Water Trans Main No. 2			
Task 17: Supplemental to Task 15			
Stephen Meyer		2.00	220.00
		2.00	220.00
Task 17: Supplemental to Task 15			
Task 18: Supplement to Task 16			
Stephen Meyer		2.00	220.00
Steve Paulson		2.00	380.00
		4.00	600.00
Task 18: Supplement to Task 16			
27-14-081 WTCPUA Raw Water Trans Main No. 2			
		6.00	820.00
		6.00	820.00



Invoice

2018-385		Balance	
		\$	1,260.00
Date			Due Date
28 Feb 2018			28 Feb 2018
Project			
27-114-081 WTCPUA Raw Water Trans Main No. 2			

Bill To
Murfee Engineering George Murfee 1101 Capital of Texas Hwy South Bldg D, Ste 110 Austin, Texas 78746

Past Due

Comments

This invoice is attributed to time and expense from February 1, 2018 to February 28, 2018. aci consulting is a division of aci group, LLC

Fixed Fee

Description	Contract	Prior	To Date	Current
Task 17: Supplemental to Task 15	4,220.00	1,070.00	25%	1,290.00 31% 220.00
Task 18: Supplement to Task 16	27,130.00	9,850.00	36%	10,890.00 40% 1,040.00
	31,350.00	10,920.00		12,180.00 1,260.00

Total	\$	1,260.00
Payments	\$	
Balance	\$	1,260.00

Payment Terms

All payments are due within 30 days. Please make your payment promptly.

Includes Time Slips between the dates of 8 Feb 2018 and 14 Feb 2018

	Mileage	Hours	Value
27-14-081 WTCPUA Raw Water Trans Main No. 2			
Task 17: Supplemental to Task 15			
Stephen Meyer		2.00	220.00
Task 17: Supplemental to Task 15			
		2.00	220.00
Task 18: Supplement to Task 16			
Stephen Meyer		6.00	660.00
Steve Paulson		2.00	380.00
Task 18: Supplement to Task 16			
		8.00	1,040.00
27-14-081 WTCPUA Raw Water Trans Main No. 2			
		10.00	1,260.00
		10.00	1,260.00



Invoice

2018-386		Balance
		\$ 2,150.00
Date		Due Date
31 Mar 2018		31 Mar 2018
Project		
27-14-081 WTCPUA Raw Water Trans Main No. 2		

Bill To
Murfee Engineering George Murfee 1101 Capital of Texas Hwy South Bldg D, Site 110 Austin, Texas 78746

Past Due

Comments

This invoice is attributed to time and expense from March 1, 2018 to March 31, 2018. aci consulting is a division of aci group, LLC

Fixed Fee

Description	Contract	Prior	To Date	Current
Task 18: Supplement to Task 16	27,130.00	10,890.00	40% 13,040.00	48% 2,150.00
	27,130.00	10,890.00	13,040.00	2,150.00

Total	\$	2,150.00
Payments	\$	
Balance	\$	2,150.00

Payment Terms

All payments are due within 30 days. Please make your payment promptly.

Includes Time Slips between the dates of 13 Mar 2018 and 20 Mar 2018

	Mileage	Hours	Value
27-14-081 WTCPUA Raw Water Trans Main No. 2			
 Task 18: Supplement to Task 16			
Stephen Meyer		4.00	440.00
Steve Paulson		8.00	1,520.00
Kevin Ramberg		1.00	190.00
		13.00	2,150.00
 Task 18: Supplement to Task 16			
27-14-081 WTCPUA Raw Water Trans Main No. 2			
		13.00	2,150.00
		13.00	2,150.00



Invoice

2018-387		Balance
		\$ 2,150.00
Date		Due Date
30 Apr 2018		30 Apr 2018
Project		
27-144-081 WTCPUA Raw Water Trans Main No. 2		

Bill To
Murfee Engineering George Murfee 1101 Capital of Texas Hwy South Bldg D, Site 110 Austin, Texas 78746

Past Due

Comments

This invoice is attributed to time and expense from April 1, 2018 to April 30, 2018. aci consulting is a division of aci group, LLC

Fixed Fee

Description	Contract	Prior	To Date	Current
Task 17: Supplemental to Task 15	4,220.00	1,290.00	1,920.00	45% 630.00
Task 18: Supplement to Task 16	27,130.00	13,040.00	14,560.00	54% 1,520.00
	31,350.00	14,330.00	16,480.00	2,150.00

Total	\$	2,150.00
Payments	\$	
Balance	\$	2,150.00

Payment Terms

All payments are due within 30 days. Please make your payment promptly.

Includes Time Slips between the dates of 4 Apr 2018 and 19 Apr 2018

	Mileage	Hours	Value
27-14-081 WTCPUA Raw Water Trans Main No. 2			
Task 17: Supplemental to Task 15			
Stephen Meyer		4.00	440.00
Steve Paulson		1.00	190.00
		5.00	630.00
Task 17: Supplemental to Task 15			
Task 18: Supplement to Task 16			
Steve Paulson		8.00	1,520.00
		8.00	1,520.00
Task 18: Supplement to Task 16			
27-14-081 WTCPUA Raw Water Trans Main No. 2			
		13.00	2,150.00
		13.00	2,150.00



Invoice

2018-388		Balance	
		\$	4,800.00
Date		Due Date	
31 May 2018		31 May 2018	
Project			
27-114-081 WTCPUA Raw Water Trans Main No. 2			

Bill To
Murfee Engineering George Murfee 1101 Capital of Texas Hwy South Bldg D, Ste 110 Austin, Texas 78746

Past Due

Comments

This invoice is attributed to time and expense from May 1, 2018 to May 31, 2018. aci consulting is a division of aci group, LLC

Fixed Fee

Description	Contract	Prior	To Date	Current
Task 18: Supplement to Task 16	27,130.00	14,560.00	54%	19,360.00
	27,130.00	14,560.00		4,800.00

Total	\$	4,800.00
Payments	\$	
Balance	\$	4,800.00

Payment Terms

All payments are due within 30 days. Please make your payment promptly.

Includes Time Slips between the dates of 2 May 2018 and 24 May 2018

	Mileage	Hours	Value
27-14-081 WTCPUA Raw Water Trans Main No. 2			
 Task 18: Supplement to Task 16			
Stephen Meyer		16.00	1,760.00
Steve Paulson		8.00	1,520.00
Kevin Ramberg		8.00	1,520.00
Task 18: Supplement to Task 16			32.00 4,800.00
27-14-081 WTCPUA Raw Water Trans Main No. 2			
		32.00	4,800.00
		32.00	4,800.00



Invoice

		Balance
2018-389		\$ 2,590.00
Date	Due Date	
31 Jul 2018	31 Jul 2018	
Project		
27-14-081 WTCPUA Raw Water Trans Main No. 2		

Bill To
Murfee Engineering George Murfee 1101 Capital of Texas Hwy South Bldg D, Ste 110 Austin, Texas 78746

Past Due

Comments

This invoice is attributed to time and expense from July 1, 2018 to July 31, 2018. aci consulting is a division of aci group, LLC

Fixed Fee

Description	Contract	Prior	To Date	Current
Task 18: Supplement to Task 16	27,130.00	19,360.00	71%	21,950.00
	27,130.00	19,360.00		2,590.00

Total	\$	2,590.00
Payments	\$	
Balance	\$	2,590.00

Payment Terms

All payments are due within 30 days. Please make your payment promptly.

Includes Time Slips between the dates of 3 Jul 2018 and 19 Jul 2018

	Mileage	Hours	Value
27-14-081 WTCPUA Raw Water Trans Main No. 2			
 Task 18: Supplement to Task 16			
Stephen Meyer		8.00	880.00
Steve Paulson		8.00	1,520.00
Kevin Ramberg		1.00	190.00
Task 18: Supplement to Task 16		17.00	2,590.00
27-14-081 WTCPUA Raw Water Trans Main No. 2			
		17.00	2,590.00
		17.00	2,590.00



Invoice

		Balance
2018-390		\$ 2,590.00
Date		Due Date
31 Aug 2018		31 Aug 2018
Project		
27-14-081 WTCPUA Raw Water Trans Main No. 2		

Bill To
Murfee Engineering George Murfee 1101 Capital of Texas Hwy South Bldg D, Ste 110 Austin, Texas 78746

Past Due

Comments

This invoice is attributed to time and expense from August 1, 2018 to August 31, 2018. aci consulting is a division of aci group, LLC

Fixed Fee

Description	Contract	Prior	To Date	Current
Task 18: Supplement to Task 16	27,130.00	21,950.00	81% 24,540.00	90% 2,590.00
	27,130.00	21,950.00	24,540.00	2,590.00

Total	\$ 2,590.00
Payments	\$
Balance	\$ 2,590.00

Payment Terms

All payments are due within 30 days. Please make your payment promptly.

Includes Time Slips between the dates of 2 Aug 2018 and 20 Aug 2018

	Mileage	Hours	Value
27-14-081 WTCPUA Raw Water Trans Main No. 2			
 Task 18: Supplement to Task 16			
Stephen Meyer		8.00	880.00
Steve Paulson		8.00	1,520.00
Kevin Ramberg		1.00	190.00
Task 18: Supplement to Task 16		17.00	2,590.00
27-14-081 WTCPUA Raw Water Trans Main No. 2			
		17.00	2,590.00
		17.00	2,590.00



Invoice

Bill To
Murfee Engineering George Murfee 1101 Capital of Texas Hwy South Bldg D, Ste 110 Austin, Texas 78746

Past Due

2018-391	Balance	
\$	3,660.00	
Date		Due Date
30 Sep 2018		30 Sep 2018
Project		
27-14-081 WTCPUA Raw Water Trans Main No. 2		

Comments

This invoice is attributed to time and expense from September 1, 2018 to September 30, 2018. aci consulting is a division of aci group, LLC

Fixed Fee

Description	Contract	Prior	To Date	Current
Task 17: Supplemental to Task 15	4,220.00	1,920.00	45%	71%
Task 18: Supplement to Task 16	27,130.00	24,540.00	90%	100%
	31,350.00	26,460.00	30,120.00	3,660.00

Total	\$	3,660.00
Payments	\$	
Balance	\$	3,660.00

Payment Terms

All payments are due within 30 days. Please make your payment promptly.

Includes Time Slips between the dates of 4 Sep 2018 and 17 Sep 2018

27-14-081 | WTCPUA Raw Water Trans Main No. 2**| Task 17: Supplemental to Task 15**

Stephen Meyer	8.00	880.00
Steve Paulson	1.00	190.00
Task 17: Supplemental to Task 15		9.00 1,070.00

| Task 18: Supplement to Task 16

Stephen Meyer	8.00	880.00
Steve Paulson	8.00	1,520.00
Kevin Ramberg	1.00	190.00
Task 18: Supplement to Task 16		17.00 2,590.00

27-14-081 | WTCPUA Raw Water Trans Main No. 2

26.00 3,660.00



Invoice

2018-376		Balance
		\$ 1,230.00
Date		Due Date
29 Oct 2018	Net 30	28 Nov 2018
Project		
27-14-081 WTCPUA Raw Water Trans Main No. 2		

Bill To
Murfee Engineering George Murfee 1101 Capital of Texas Hwy South Bldg D, Ste 110 Austin, Texas 78746

Comments

This invoice is attributed to time and expense from October 1, 2018 to October 29, 2018. aci consulting is a division of aci group, LLC

Fixed Fee

Description	Contract	Prior	To Date	Current
Task 17: Supplemental to Task 15	4,220.00	2,990.00	71% 4,220.00	100% 1,230.00
	4,220.00	2,990.00	4,220.00	1,230.00

Total \$	1,230.00
Payments \$	
Balance \$	1,230.00

Payment Terms

All payments are due within 30 days. Please make your payment promptly.

Includes Time Slips between the dates of 11 Oct 2018 and 17 Oct 2018

	Mileage	Hours	Value
27-14-081 WTCPUA Raw Water Trans Main No. 2			
 Task 17: Supplemental to Task 15			
Stephen Meyer		6.00	660.00
Steve Paulson		2.00	380.00
Kevin Ramberg		1.00	190.00
Task 17: Supplemental to Task 15			9.00 1,230.00
27-14-081 WTCPUA Raw Water Trans Main No. 2			
		9.00	1,230.00
			9.00 1,230.00

Raw Water Transmission Main No. 2

Billed MEC Direct Engineering:

149,038.75

Billed Expenses:

Cost

1,728.86

1,988.19

ACI

Capital Surveying

Construct-Ability

JRSA Engineering Inc.

Billed Sub-Consultants:

284,000.00 326,600.01

64,982.49 74,729.86

5,000.00 5,750.00

1,510.00 1,736.50

408,816.37

TOTAL BILLED TO DATE:

559,843.31

ITEM F

Jennifer Riechers

From: Robert Pugh
Sent: Monday, November 5, 2018 11:02 AM
To: Trey Cantu
Cc: Jennifer Riechers; Jennifer Smith; Keli Kirkley
Subject: FW: Generator Service Agreement
Attachments: 2019 Service Proposal GFS.pdf; 2019 Service Proposal AGS.pdf; 2019 Service proposal WP.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Blue category

Thank you. I will add this item to the November 15, 2018 Agenda under New Business. Jennifer, the email below and attachments will be for packet back-up.

The AGS proposal does not appear to be "Apples to Apples" since the Year One scope of work excludes the annual inspection.

Rob P.

From: Trey Cantu <tcantu@wtcpua.org>
Sent: Wednesday, October 31, 2018 4:50 PM
To: Robert Pugh <rpugh@wtcpua.org>
Subject: Generator Service Agreement

Please see attached quotes for annual generator service agreements. This is a 2-year agreement with an optional 1-year rollover. Recommend Generator Field Service for \$20,492. GFS has lower services rates than any other vendor. We have used GFS throughout the past FY and are very pleased with their performance and responsiveness.

Vendor	Base 1-yr Service	Service Rates
Generator Field Service	\$20,492.00	\$90/hr.
Austin Generator Service	\$17,226.00	\$115/hr.
Waukesha-Pearce Industries	\$20,667.08	\$109/hr.
Average annual repair costs for all generators FY 2018 was \$35,000		

Thanks,

Trey Cantu
Operations Manager - WTCPUA
12215 Bee Cave Road Bldg A | Austin, TX 78738
O: 512.263.5323 | M: 512.751.6993 | www.wtcpua.org

GENERATOR SERVICE AGREEMENT

WTCPUA

Prepared By:

Generator Field Services LLC.

October 08, 2018

Inspection Service Outline

To provide a PM service and inspection agreement for 17 generator sets and associated components.

To provide a 24 hour generator & switch gear service.

Repairs are NOT included in the agreement if a repair should be needed a estimate will be sent for the customer to approve or disapprove.

Listed below are the inspection check points preformed during the annual & quarterly inspection services. Three quarterly inspections are to be done through out the year followed by one annual inspection.

During the annual inspection service all filters that each machine utilizes are to be replaced. The crank case oil is also to be replaced with a oil that meets or exceeds API CK-4 Specifications.

During the quarterly inspection the same check points will be inspected with out the replacement of any filters or oil.

Attached below is a generator maintenance & inspection agreement put together for West Travis County Public Utility Agency by Generator Field Services LLC. There are 17 pieces of equipment that are being covered in the annual cost below. This is including 17 generator sets. The main objective of this service agreement is to provide WTCPUA with a reliable source of backup power in a situation when it is needed, as well as staying on top of required maintenance and addressing issues before any downtime is created.

Annual inspection pm service will include.

A: LUBE / OIL SYSTEM

- *Level (To check & Record oil level in engine)**
- *Leaks (To inspect unit for any oil leaks)**
- *Filter (To indicate replacement & condition of lube oil filter)**
- *Service (To indicate the service & replacement of oil & filter)**
- *Condition (To inspect condition of oil)**
- *Sample Taken (To indicate if oil sample was taken during PM service)**

During the annual inspection service all lube oil filters will be replaced. Engine crank case will be drained & filled back up with OEM certified oil. Unit will be inspected for any leaks.

B: COOLANT SYSTEM

- *Level (To check & record level of coolant in radiator)**
- *Filter (To indicate replacement & condition of coolant filter when used)**
- *Heater (To inspect condition and proper operation of block heater)**
- *Leaks (To inspect unit for any coolant leaks)**
- *Hoses (To inspect condition of all hoses that pertain to generator cooling system)**
- *Belts (To inspect condition of generator fan drive belts)**
- *Sample Taken (To indicate if coolant sample was taken during PM service)**
- *DCA (To indicate if any diesel coolant additive was added to cooling system)**

During the annual inspection service all cooling system components will be inspected for any possible issues. The coolant system will be inspected to maintain a safe freeze point. All coolant system filters will be replaced at this time when used.

C: IGNITION SYSTEM

- *Plugs (To inspect condition of spark plugs if used)**
- *Wires (To inspect condition of spark plug wires if used)**
- *Cap (To inspect condition of distributor ignition cap)**
- *Points (To inspect condition of ignition points)**
- *Rotor (To inspect condition of ignition rotor)**
- *Fuel Solenoid (To inspect condition & operation of fuel solenoid)**
- *Magneto (To inspect condition & operation of ignition magneto)**

During the annual inspection all ignition system components will be inspected for any possible damage or wear.

D: METER READINGS

***AC Voltage @ ATS**

A-B / A-N

B-C / B-N

C-A / C-N (To check & record line to line & line to neutral voltage taken at ats)

***AC Amps @ ATS**

Amps A

Amps B

Amps C (To check & record amperage for all three phases)

***Frequency (To check & record generator frequency)**

***Oil Pressure (To check & record engine oil pressure)**

***Engine Temperature (To check & record engine coolant temperature)**

***Hour Meter (To check & record logged generator run time)**

During the annual inspection service all meter reading will be checked & recorded.

Adjustments will be made at this time if needed to maintain target voltage & frequency.

E: EXHAUST SYSTEM

- *Leaks (To inspect generator for any exhaust leaks)**
- *Turbo Charger (To inspect & record condition of turbo charger)**
- *Flex Pipe (To inspect condition of flex pipe or exhaust bellow)**
- *Wet Stacking (To inspect exhaust manifold & turbo charger for any signs of wet stacking caused by unburned fuel)**
- *Rain Cap (To inspect proper operation of rain cap to keep rain water out of engine cylinders)**
- *Condensation (To inspect generator exhaust for any built up condensation)**
- *EGT (To check & note exhaust gas temperature)**

During the annual inspection service all exhaust system components will be inspected for any issues or leaks. The exhaust gas temperatures will also be recorded to detect any possible engine issues.

F: BATTERY & CHARGING SYSTEM

- *Float Charge (To check & record battery float charge to ensure proper operation of battery charger)**
- *Alternating Charge (To check & record battery voltage while unit is running to ensure proper operation of generator charging system)**
- *Water Level (To inspect, record & maintain battery water level)**
- *Load Test (To record battery voltage on generator initial crank)**
- *Specific Gravity (To check & record battery specific gravity for each cell when applicable)**
- *Terminals (To inspect & clean battery terminals)**

During the annual inspection the battery & charging system group will be inspected to ensure proper operation of the battery charger , belt driven alternator & battery it self.

G: FUEL SYSTEM

***Filters (To indicate replacement & condition of fuel filters. All fuel filters will be replaced)**

***Fuel Separator (To inspect & replace fuel water separator element when used)**

***Lines (To inspect & record condition of fuel lines that are used)**

***Solenoid (To inspect & record condition of fuel solenoid)**

***Serviced (To indicate that all fuel filter elements will be replaced)**

***Level (To check & record fuel level of generator)**

***Injection Pump (To inspect & note proper operation of fuel injection pump)**

***Tank (To inspect & note condition of generator fuel tank)**

***Leaks (To inspect all fuel system components for any fuel leaks)**

During the annual inspection service all fuel filtration elements will be replaced. Every fuel system component will be inspected & condition noted on service report.

H: AIR FILTRATION SYSTEM

***Filter Primary (To inspect & replace all primary air filter element)**

***Filter Secondary (To inspect & replace all secondary air filter elements)**

***Restrictions (To inspect air filtration system for any restrictions)**

***Rubber Ducting (To inspect rubber ducting for any defects that would contaminate air intake)**

***Element Housing (To inspect air filter element housing for any defects that would contaminate air intake)**

***Element Services (To indicate all air filter elements have been replaced)**

During the annual inspection service all air handling components will be inspected for any issues. All air filtration elements will be replaced.

I: ENGINE PROTECTION

- *Low Oil Pressure (To ensure shut down of engine when a low oil pressure condition is replicated)**
- *High Engine Temperature (To ensure shut down of engine when a high engine temperature condition is replicated)**
- *Pre Low Oil Pressure (To insure warning from controller when a pre low oil pressure condition is replicated**
- *Over Crank (To ensure proper starter engagement signal from controller when engine will not start. Starter application rest cycle & controller alarm)**
- *Pre High Engine Temperature (To Insure warning from controller when a pre high engine temperature condition is replicated)**
- *Annunciator (To ensure proper operation of annunciator when any fault is replicated)**

During the annual inspection service all engine protection warnings & shutdowns will be replicated when possible to ensure proper operation of generator controller.

J:GENERATOR SET OPPEATION

- *Generator Run Test W/O Load (To check & record generator operation with out load)**
- *Generator Run Test W/Load (To check & record generator operation with customer load)**
- *Transfer Switch Test W/Load (To check & record condition of ATS during transfer test)**
- *Transfer Switch Lamps (To inspect condition of ATS lamps)**
- *Transfer Switch Display (To inspect condition of transfer switch digital display)**
- *Transfer Switch Enclosure (To inspect & clean ATS enclosure)**
- *Generator Display (To inspect condition of generator controller display screen)**
- *Generator Enclosure (To inspect condition of generator enclosure as well as clean any mess caused by annual pm service)**

During annual pm service the generator & ATS operating status will be assessed to be suitable or unsuitable to place back in to operation. Customer will be informed of any potential issues found.

K: Final Overview

- *Generator In Auto (To inform customer that generator is placed back in to the automatic position after the annual pm service was completed)**
- *Transfer Switch In Auto (To inform customer that the automatic transfer switch has been placed back in the automatic position after the annual pm service was completed)**
- *Output Breaker Closed (To ensure that the output breaker is closed upon completion of annual inspection service)**
- *Doors Closed (To ensure that all generator & switch gear doors are properly closed)**
- *Decal (To ensure generator decal is filled out on unit to show what service was completed)**
- *System Ready (To indicate that the generator and associated components are ready for service)**

A final over view status of the generator & switch gear will noted on the customer service report informing the customer of current equipment conditions.

A detailed work summary will be filled out after every inspection,service & repair.

FEE SUMMARY

Description	Unit Price	Quantity	Amount
LS #15 Annual PM Service	500.00	1.00	500.00
LS #15 Quarterly Service	200.00	3.00	600.00
LS #19 Annual PM Service	575.00	1.00	575.00
LS #19 Quarterly Service	200.00	3.00	600.00
LS #20 Annual PM Service	575.00	1.00	575.00
LS #20 Quarterly Service	200.00	3.00	600.00
Lake Point WWTP Annual PM Service	760.00	1.00	760.00
Lake Point WWTP Quarterly Service	200.00	3.00	600.00
Water Plant Annual PM Service	567.00	1.00	567.00
Water Plant Quarterly Service	200.00	3.00	600.00
LS #17 Annual PM Service	500.00	1.00	500.00
LS #17 Quarterly Service	200.00	3.00	600.00
LS #16 Annual PM Service	500.00	1.00	500.00
LS #16 Quarterly Service	200.00	3.00	600.00
Home Depot / PS #2 Annual PM Service	700.00	1.00	700.00
Home Depot / PS #2 Quarterly Service	200.00	3.00	600.00
LS #14 Annual PM Service	730.00	1.00	730.00
LS #14 Quarterly Service	200.00	3.00	600.00
Shop Mobile Annual PM Service	575.00	1.00	575.00
Shop Mobile Quarterly Service	200.00	3.00	600.00
LS #18 Annual PM Service	585.00	1.00	585.00
LS #18 Quarterly Service	200.00	3.00	600.00
Hamilton Pool / PS #5 Annual PM Service	710.00	1.00	710.00
Hamilton Pool / PS #5 Quarterly Service	200.00	3.00	600.00
LS #21 Annual PM Service	488.00	1.00	488.00
LS #21 Quarterly Service	200.00	3.00	600.00
LS #22 Annual PM Service	512.00	1.00	512.00
LS #22 Quarterly Service	200.00	3.00	600.00

Bohls WWTP Annual PM Service	1000.00	1.00	1000.00
Bohls WWTP Quarterly Service	200.00	3.00	600.00
County Line / PS #7 Annual PM Service	590.00	1.00	590.00
County Line / PS #7 Quarterly Service	200.00	3.00	600.00
Shop / Mobile Annual PM Service	425.00	1.00	425.00
Shop / Mobile Quarterly Service	200.00	3.00	600.00
Total Amount			20492.00

TERMS AND CONDITIONS

Payment for service agreement is not required upfront,, however a individual invoice will be sent at the end of each inspection and will be on net 30 terms.

With service agreement in place a discounted repair rate will be provided to WTCPUA. No service call fee or mileage fee will be billed. Hourly rate listed below.

90.00 An hour regular time rate.

130.00 An hour over time rate.

135.00 An hour holiday rate.

It will be generator field services responsibility to provide 24Hr service.

PRICING VALID UNTIL September 31st, 2021

CUSTOMER SIGNATURE

.....
Generator Field Services LLC.

.....
WTCPUA



Basic Preventative Maintenance Agreement

40 Years of Exceptional Customer Service

This Preventative Maintenance Agreement ("PMA") is entered into by Austin Generator Service ("Servicing Agent"), and West Travis County Public Utility Agency for the purpose of setting forth the terms and conditions governing the Servicing Agent's obligations to inspect West Travis County Public Utility Agency's emergency generating set(s) and associated equipment as listed herewith. Included are all accessories designated essential to the emergency power system.

Site Contact

		<u>Billing Contact</u>
Name	Michael Sarot	Name West Travis County Public Utility Agency
Address	12215 Bee Cave Rd, Bldg B Austin, TX 78738	Address 12117 Bee Cave Rd, Bldg 3, Suite 120 Austin, TX 78738
Email	msarot@wtcpua.org	Email
Phone	512-897-7898	Phone 512-263-0100

EQUIPMENT TO INSPECT

Lake Pointe WWTP

KW: 350 Brand: Generac Model: 10941410200 Serial: 2102610

Bohls WWTP

KW: 680 Brand: CAT Model: 750S Serial: CAT00C27HG0S00352

Lift Station #14

KW: 200 Brand: Olympian Model: D200P4 Serial: OLY000000ENNS00365

Lift Station #15

KW: 125 Brand: Kohler Model: 125RZG Serial: 736973

Lift Station #16

KW: 20 Brand: Olympian Model: G20F35 Serial: OLY000000LNGF00461

Lift Station #17

KW: 50 Brand: Olympian Model: G50F3 Serial: SJ19648

Lift Station #18

KW: 100 Brand: Olympian Model: D100P1 Serial: OLY000000ANP

Lift Station #19

KW: 125 Brand: Onan Model: 125DGDK6688 Serial: G060945039

Austin Generator Service – 512.251.2247--2004 Howard Lane – Austin, TX 78728 - ~~TECL 29729~~

Regulated by The Texas Department of Licensing and Regulation, P. O. Box 12157, Austin, Texas 78711, 1-800-803-9202, 512-463-6599;
website: www.tdlr.texas.gov

Lift Station #20

KW: 125 Brand: Kohler Model: 125REOZJD Serial: 2198656

Lift Station #21

KW: 40 Brand: Kohler Model: 40REOZJC Serial: 2315957

Lift Station #22

KW: 40 Brand: MTU Model: DS00040D65RAK0574 Serial: 3650081-1-0913

Pump Station #2 – Home Depot

KW: 200 Brand: Onan Model: DGFC-5586688 Serial: LO2044200

Pump Station #5 – Hamilton Pool

KW: 250 Brand: Generac Model: 7044430100 Serial: 2090466

Pump Station #7 – County Line

KW: 155 Brand: Generac Model: 1649040100 Serial: 2063887

Mobile 1

KW: 100 Brand: Onan Model: DGDB-4488891 Serial: J000156479

Mobile 2

KW: 20 Brand: Generac Model: GR-25 / #04058-0 Serial: 3214105

Water Plant

KW: 50 Brand: Kohler Model: 50REOZJB Serial: 2085142

QUARTERLY INSPECTION

During each of (3) Quarterly Inspections, all generator systems are visually checked for potential problems, and are physically tested to assure reliability. The proper personnel will be notified of any discrepancies and advised as to the cost of repairs. No parts, supplies or annual services are included in the quarterly inspection costs.

ANNUAL INSPECTION

During the Annual Inspection, the following shall be performed: change oil and oil filters, fuel filters, coolant filters, air filters (as needed, cost of air filters not included), perform lab analysis on samples of oil and coolant. At this time, basic run tests are conducted to ensure generator reliability and operation. An Automatic Transfer Switch visual inspection is performed annually along with transfer test, if transfer test is permitted.

Service Rates:

Quarterly Inspections	\$7,785.00	\$115.00 per hour (Regular Hours, M-F 7:00 AM – 5:00 PM)
Annual Inspections	\$9,441.00	\$172.50 per hour (After Hours)

Year 1 Total: \$7,785.00**Year 2 Total:** \$17,226.00**Year 3 Total:** \$17,571.00 2% Increase

Austin Generator Service – 512.251.2247--2004 Howard Lane – Austin, TX 78728 - [TECL 29729](mailto:TECL29729@texas.gov)

Regulated by The Texas Department of Licensing and Regulation, P. O. Box 12157, Austin, Texas 78711, 1-800-803-9202, 512-463-6599;
website: www.tdlr.texas.gov

EMERGENCY SERVICE RATES: All PMA customers receive priority status. Emergency service required between regular inspections will be provided at standard rates or overtime rates for labor and travel, plus current prices for materials, and mileage.

SERVICES: Servicing Agent shall provide regularly scheduled inspections and annual service on the equipment located at Site Address. Such services shall include but not be limited to quarterly and annual service. Servicing Agent shall provide such services during its regular business hours, which are 8 a.m. to 5 p.m., Monday through Friday except Holidays.

WARRANTIES: Servicing Agent warrants that service performed under this Agreement will be performed only by Servicing Agent employees who have been properly trained for the maintenance of equipment. Servicing Agent warrants that any products or parts provided by Servicing Agent will be free from defects, under normal use and operation, for a period of ninety (90) days after their date of installation. During this time, Servicing Agent shall repair such defects at Servicing Agent's expense. Defective parts replaced under this warranty shall become the property of the Servicing Agent. Parts generally considered as expendable during normal use are not covered under this warranty.

All other warranties, express and implied including merchantability and fitness for a particular use are hereby waived, disclaimed and excluded.

TERMS: Net 30 with approved credit.

TAXES: Unless otherwise noted, prices do not include applicable federal, state or local sales, use, property or excise taxes. In lieu of such taxes, the Owner shall provide a tax exemption certificate, acceptable to the applicable taxing authority.

EXCLUSIONS: This agreement does not include services to repair damage caused by abuse, accident, theft, acts of a third person, forces of nature or altering the equipment. At the request of the Owner, Servicing Agent will provide services at its then prevailing rate. Servicing Agent shall not be responsible for failure to render service for causes beyond its control, including strikes and labor disputes.

Owner understands and agrees that Servicing Agent is not responsible for special or consequential damages, including loss of time, injury to person or property, incidental or economic loss due to unit or equipment failure. After each inspection, the Servicing Agent will furnish Owner with a written report detailing services performed, with information regarding further service needed to maintain peak performance of all systems. All permitting is excluded unless otherwise specified in this proposal.

INSURANCE: Upon request, Servicing Agent shall furnish Owner with certificates of insurance for all insurance coverages provided.

ASSIGNMENT: Neither party may assign this Agreement or any obligation or right here under without prior written consent of the other party

FUEL: Customer assumes responsibility for insuring adequate quantity and quality of diesel fuel required for Austin Generator Service to operate and test the generator during each service. Additional fuel testing and polishing services may be listed on this PMA or available upon request.

ACCEPTANCE AND PRICING

Prices quoted in this agreement are firm for 30 days. Prices are subject to change. Notice of price increases will be in the form of a revised Inspection Agreement and is not subject to alteration except as mutually agreed upon in writing. Periodic price increases resulting in a revised Agreement will be effective within thirty days of revision. Either party upon thirty days of written notice may terminate this Agreement at any time. Failure to notify of cancellation 30 days prior to scheduled inspection may result in a cancellation fee. Any services rendered which remain unpaid at the time of cancellation shall be due and payable upon demand.

ACCEPTED

WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY

ACCEPTED

AUSTIN GENERATOR SERVICE

By _____

By Ronnie Lane

Date _____

Date 10-4-2018

This proposal may be withdrawn by the Servicing Agent if not accepted within thirty days.

Austin Generator Service – 512.251.2247--2004 Howard Lane – Austin, TX 78728 - ~~TECL 29729~~

Regulated by The Texas Department of Licensing and Regulation, P. O. Box 12157, Austin, Texas 78711, 1-800-803-9202, 512- 463-6599;
website: www.tdlr.texas.gov

Inspection List:

Lubrication System

- Leaks
- Oil Level
- Filters

Cooling System

- System Leaks
- Water Level
- Antifreeze/DCA
- Hoses
- Belts
- Cooling Fans
- Block Heater
- Pillow Block

Fuel System

- System Leaks
- Filters
- Lines
- Tank Levels
- Transfer Pump
- Water Separators
- Solenoid
- Wiring
- Governor

Housing/Cabinets

- General
- Fit
- Decals

Exhaust System

- Leaks
- Condensation
- Turbo Charger
- Flex Pipe
- Rain Cap
- Muffler

Operational Tests

- NO LOAD run test
- Voltage A.C./D.C.
- AMPS A.C./D.C.
- Frequency
- Time Delays
- Oil Pressure
- Engine Temperature

D.C., Direct Current, Electrical

- Batteries and Water Level
- Specific Gravity
- Terminals
- Battery Charge Rate

A.C., Alternating Current, Electrical

- Brushes/Generator/Regulator
- Instruments/Meters
- Circuit Breaker

Automatic Transfer Switch

- Contacts
- Exercise Clock
- Transfer Test (*if permitted*)

Ignition System

- Plugs (*spark ignited systems only*)
- Points, Condenser
- Cap, Rotor
- Wiring, Coil
- Corrosion

Load Bank Testing Qualifications and Warnings

As stated in NFPA 110, load bank testing of standby generator sets is recommended or required in life safety applications. In the absence of a load bank connection point, Austin Generator Service must disconnect the generator electrical feeder/s at the generator breaker/s to connect the Load Bank. As a result, emergency power from the generator will not be available to serve emergency loads during a power outage. It is the Customer's responsibility to notify all necessary parties that the generator will not be available. To reduce this risk, Austin Generator Service can provide and connect rental generators, upon request. Costs for rental generators and their installation are not included in this Agreement, unless otherwise noted. Additionally, Austin Generator Service can provide and install approved connection systems, upon request.

CUSTOMER ASSUMES ALL LIABILITY AND RISK FOR ANY IMPACT TO CUSTOMER FACILITY, INCLUDED LIFE SAFETY, WHICH MAY RESULT FROM UNEXPECTED POWER OUTAGES THAT MAY OCCUR DURING ANY MAINTENANCE, REPAIRS, AND/OR LOAD BANK TESTING. AUSTIN GENERATOR SERVICE SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES OR WEAR AND TEAR TO EXISTING GENERATOR FEEDER/S AND/ OR BREAKER/S AS A RESULT OF LOAD BANK TESTING.



6450 North Loop 1604 East
San Antonio, TX 78247
Office: 713-551-0422 / Fax: 713-551-0453

PLANNED MAINTENANCE AGREEMENT

Quarterly Visits

DATE: 10/19/2019

This Planned Maintenance Agreement (“Agreement”) is entered into by **Waukesha-Pearce Industries, Inc.** (“WPI”) and (“Owner”) for the purpose of performing planned maintenance on equipment listed below. The purpose of this Agreement is to provide the customer with regularly scheduled site maintenance visits by WPI technicians to check the emergency power systems operation. Upon acceptance of this Agreement, WPI will render the services and furnish the products outlined below. The services will be rendered during normal business hours of **7:30 a.m. and 4:00 p.m.** Monday through Friday, excluding holidays. The number of regularly scheduled maintenance trips in a calendar year will be (4) per year quarterly.

1. SERVICES TO BE PERFORMED AND PRODUCTS FURNISHED BY WPI (Unless specified in “Final Notes” section below):

- a. Visually inspect the site and equipment
- b. Gas Engine – inspect and adjust ignition system, and plugs
- c. Diesel Engine – inspect injection system and pump
- d. Inspect fuel system including day tank, (if applicable)
- e. Replace (standby applications only) engine fuel filters annually, (if applicable)
- f. Inspect and clean as needed dry type air cleaner element, or clean and refill oil bath type air cleaner.
- g. Check block heater operation
- h. Inspect cooling system for pressure leaks, verify antifreeze protection to a strength of 50% antifreeze and 50% water
- i. Replace coolant filter, (if applicable)
- j. Grease accessory drives and/or generator as necessary
- k. Inspect and adjust engine fan belts as necessary
- l. Inspect engine exhaust system for leaks or corrosion; check condensation trap and muffler condition
- m. Check oil level, start unit, warm up and check and record oil pressure
- n. Inspect starting system including batteries, cables, battery charger, alternator and record battery specific gravity reading
- o. Inspect engine and generator control functions and time delays as applicable
- p. Inspect all instruments for proper operation
- q. Adjust frequency and voltage as required
- r. Inspect and clean, (if applicable) generator slip rings and brushes
- s. Inspect automatic switch(s) for proper operation which includes: time delays and exercisers where possible
- t. Test run generator, loaded where possible and record readings
- u. Change all lube oil and applicable filter elements Annually

- v. Lube oil furnished at location by WPI
- w. Fill antifreeze as needed (as associated with normal evaporation/loss), furnished at location by WPI
- x. Provide a written report after each inspection or repair call detailing any conditions found and advising further service required, in any, to promote operating dependability of the system

2. SERVICES TO BE PERFORMED BY OWNER:

The Owner shall maintain a regular recommended service procedure as listed below and further described in the system's Owner-Operator Manual. These procedures should be followed to assure minimum maintenance costs and to minimize emergency service. A record of these maintenance procedures should be maintained for reference.

- a. For Standby Systems only, quarterly service should be performed no earlier than (2) two months and no later than (4) four months from the initial service
- b. Exercise system weekly, manually or automatically
- c. Check for fuel, oil or coolant leaks
- d. Check lube oil, fuel and coolant level weekly on standby systems and daily on continuous duty systems
- e. Oil changes should be done in accordance with the published recommendations in the Owners Manual issued with the generator system

The Owner will provide access to the equipment under this Agreement without unnecessary delay. **Any waiting time for access to the equipment could be invoiced at the current published rates (see attached WPI published Labor Rate Sheet, Note: Published Labor Rates are subject to change without prior written notification).**

3. CHARGES FOR SERVICES BY WPI:

- a. The Owner agrees to pay WPI an annual fee of \$20,667.08 for the above listed services and products provided by WPI
- b. Required parts not included in the quoted price and referenced in paragraph 1, will be billed to the Owner at the prices current at the time they are used/installed
- c. Hourly rates, mileage and miscellaneous charges will be billed to the Owner for repairs required during scheduled maintenance trips and also for emergency repairs done by WPI, when called to the location by the Owner at the current published rates (see attached Published Labor Rate Sheet)
Note: Published Rates are subject to change without prior written notification
- d. Terms of payment are Net-30 from date of Invoice, subject to WPI's Credit Department approval

4. 24-HOUR EMERGENCY SERVICE:

WPI will provide 24-hour emergency service in addition to regularly schedule service. Charges for emergency service will be billed to the Owner at the then published rates (see Published Labor Rate Sheet)
Note: Published Rates are subject to change without prior written notification.

Please note, that during times of hurricanes or other major disasters or events, emergency response services by WPI will be prioritized in such a manner that could cause a delay in our ability to respond promptly to Owner's request for service, as our first priority for service will be to hospitals, emergency care centers, nursing homes, fire and rescue facilities, and police stations. All requests for emergency services will be honored and we will make every effort to respond, but some delay in responding could and will likely occur however, PM Contract Customers take priority over all other calls. We offer our apology in advance for any inconvenience this policy might subject Owner to, but

due to the nature of our work during major storms or events, certain facilities must take precedence for service.

5. TERM OF THE AGREEMENT:

The term of this agreement will be one year and shall renew automatically for successive terms of one year each, until cancelled in writing by either party. The pricing contained in this Agreement will be review annually and if increased, WPI will provide written notification to Owner 30 days prior to the annual renewal date. This Agreement may be terminated at any time by either party upon thirty (30) days written notice to the other party at the address listed below and neither party shall assert a claim against the other party as a result of such termination.

6. WPI RESPONSIBILITY LIMITATIONS:

- a. WPI shall assume no liability for damage(s) to the generator or building electrical, mechanical or structural systems arising from Owner's or any third party's misuse, negligence or alterations
- b. WPI shall have no obligation to repair damage caused by Owner's or any third party's accident(s) or failure to provide a suitable installation as specified in the installation manual(s) furnished with the generator system
- c. WPI shall assume no liability for damage(s) caused in part or in whole as a result of civil strife, vandalism, catastrophe, Act of God, improper use of the system by the Owner or any third party or by other external causes to the system
- d. **WPI, nor Owner, shall in any event or under any circumstances arising from this agreement be liable to each other for lost profits or special, consequential or exemplary damages**
- e. WPI shall not in any event or under any circumstances arising from this agreement be liable to the Owner for any acts, conditions, or circumstances wherein Owner or any third party is negligent, whether or not caused by the joint, concurrent, or partial negligence of the Owner, or third party
- f. WPI shall not be liable for failure to perform any of its obligations under this Agreement if such failure is due to Acts of God, war or government in either its sovereign or contractual capacity, critical materials shortages, fires, floods, strikes, lockouts, freight embargoes, inclement weather, errors or defects in the data supplied by Owner, or by any other cause or condition beyond WPI's control

7. GENERAL:

- a. In the event any of the equipment covered by this Agreement is sold or moved, Owner must notify WPI in writing and cancellation will take place thirty (30) days after WPI's receipt of Owner's written notification
- b. The waiver by WPI of any breach of any provision of this Agreement to the Owner shall not constitute a waiver of any subsequent breach by the Owner
- c. This Agreement has been entered into and shall be governed and construed under the laws of the State of Texas
- d. This agreement contains the entire understanding of the parties and is intended as a final expression of their Agreement and a complete statement of terms thereof
- e. No representation or statement not expressly contained in the Agreement or incorporated herein by reference shall be binding upon WPI as a warranty or otherwise
- f. This Agreement is not subject to alternation except as mutually agreed in writing by the parties
- g. Owner acknowledges that it has read this Agreement and agrees to all terms and conditions herein.
- h. A Certification of Insurance by WPI will be mailed to the Owner upon request

Lake Point WWTP	350	KW	Cat	(1) Full service-	\$ 784.27
0	SN:	2102610		(3) Inspections-	\$ 274.50
Bohls WWTP	680	KW	CAT	(1) Full service-	\$1,227.67
0	SN:	CAT00C27HG0S00352		(3) Inspections-	\$ 274.50
LS 14	200	KW	Olympian	(1) Full service-	\$ 743.07
0	SN:	OLY00000ENNS00365		(3) Inspections-	\$ 209.50
LS 15	125	KW	Onan	(1) Full service-	\$ 691.87
0	SN:	736973		(3) Inspections-	\$ 209.50
LS 16	20	KW	Olympian	(1) Full service-	\$ 291.82
0	SN:	OLY000000LNGF00461		(3) Inspections-	\$ 144.50
LS 17	50	KW	Olympian	(1) Full service-	\$ 407.92
0	SN:	SJ19648		(3) Inspections-	\$ 177.00
LS 18	100	KW	Olympian	(1) Full service-	\$ 579.87
0	SN:	OLY00000ANP		(3) Inspections-	\$ 209.50
LS19	125	KW	Onan	(1) Full service-	\$ 691.87
0	SN:	G060945039		(3) Inspections-	\$ 209.50
LS 20	125	KW	Kohler	(1) Full service-	\$ 691.87
0	SN:	2198656		(3) Inspections-	\$ 209.50
LS 21	40	KW	Kohler	(1) Full service-	\$ 435.92
0	SN:	231597		(3) Inspections-	\$ 177.00
LS 22	40	KW	MTU	(1) Full service-	\$ 435.92
0	SN:	3650081-1-0913		(3) Inspections-	\$ 177.00
Home Depot PS2	200	KW	Onan	(1) Full service-	\$ 704.75
0	SN:	L02044200		(3) Inspections-	\$ 209.50
Hamilton Pool PS 5	250	KW	Generac	(1) Full service-	\$ 881.35
0	SN:	2090466		(3) Inspections-	\$ 209.50
County Line PS 7	155	KW	Generac	(1) Full service-	\$ 579.57
0	SN:	2063887		(3) Inspections-	\$ 209.50
Shop Mobile	100	KW	Onan	(1) Full service-	\$ 579.87
0	SN:	J000156479		(3) Inspections-	\$ 209.50

Shop Mobile	20	KW	Generac	(1) Full service-		\$ 276.25
0	SN:	3214105		(3) Inspections-		\$ 144.50
Water Plant	50	KW	Kohler	(1) Full service-		\$ 368.72
	SN:	2085142		(3) Inspections-		\$ 177.00

Includes Discounted labor rate of 109.00 Per hour Regular Time - 159.00 per hour Overtime – 10% Parts Discount. Work to be performed out of WPI's Pflugerville Facility.

Sub-total - \$20,667.08 (plus applicable sales tax)

Accepted: ***Robert Syzdek*** 19 October 2019

Robert Syzdek
 Mobile 210-449-6470
 Office 210-978-5711
 Fax 210-653-5003
 Product Support Rep
 WPI – Powered by Solutions TM
www.wpi.com

ACCEPTED:

DATED: _____

PRINT NAME: _____

SIGNATURE: _____

ADDRESS: _____

PHONE: _____ FAX: _____