

**Notice of Meeting for the  
Georgetown Utility System Advisory Board and the Governing Body  
of the City of Georgetown  
January 10, 2020 at 2:00 PM  
at Georgetown Municipal Complex, 300-1 Industrial Avenue, Georgetown TX**

The City of Georgetown is committed to compliance with the Americans with Disabilities Act (ADA). If you require assistance in participating at a public meeting due to a disability, as defined under the ADA, reasonable assistance, adaptations, or accommodations will be provided upon request. Please contact the City Secretary's Office, at least three (3) days prior to the scheduled meeting date, at (512) 930-3652 or City Hall at 808 Martin Luther King Jr. Street, Georgetown, TX 78626 for additional information; TTY users route through Relay Texas at 711.

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## **Regular Session**

(This Regular Session may, at any time, be recessed to convene an Executive Session for any purpose authorized by the Open Meetings Act, Texas Government Code 551.)

**A Call to Order**

The Board may, at any time, recess the Regular Session to convene in Executive Session at the request of the Chair, a Board Member, the City Manager, Assistant City Manager, General Manager of Utilities, City Council Member, or legal counsel for any purpose authorized by the Open Meetings Act, Texas Government Code Chapter 551, and are subject to action in the Regular Session that follows.

**B Introduction of Visitors**

Employee Recognition --  
-- None submitted at time of posting

**C January 2020 Utility Advisory Board - CIP Updates and November 2019 Council Actions -- Wesley Wright, P.E., Systems Engineering Director**

**D Presentation of the 4<sup>th</sup> Quarter Financials for Water and Electric – Paul Diaz, Budget Manager**

**E Electric Utility Update -- Daniel Bethapudi, Electric General Manager**

**F Water Utility Update -- Glenn W. Dishong, Water Utilities Director**

## **Legislative Regular Agenda**

**G Public Wishing to Address the Board**

On a subject that **is posted on this agenda**: Please fill out a speaker registration form which can be found on the table at the entrance to the Board Meeting. Clearly print your name and the letter of the item on which you wish to speak and present it to the Staff Liaison, **prior to the start of the meeting**. You will be called forward to speak when the Board considers that item. Only persons who have delivered the speaker form **prior** to the meeting being called to order may speak.

On a **subject not posted on the agenda**: Persons may add an item to a future Regular scheduled Board agenda by filing a written request with the Staff Liaison **no later than one week prior to the Board meeting**. The request must include the speaker's name and the specific topic to be addressed with

sufficient information to inform the board and the public. **Only those persons who have submitted a timely request will be allowed to speak.** For Board Liaison contact information, please logon to <https://government.georgetown.org/georgetown-utility-system-advisory-board-gus/>.

-- At time of posting, no persons had signed up to address the Board.

- H Review and possible action to approve the minutes from the regular GUS Board meeting held on November 8, 2019 and the regular GUS Board meeting scheduled for December 13, 2019. - Sheila K. Mitchell, GUS Board Liaison
- I Consideration and possible recommendation to approve the contract with Environmental Improvements, Inc. for purchase and install of chemical storage tank, in the amount of \$54,200.65 – Mike Welch, Plant Operations Superintendent/Glenn W. Dishong, Water Utilities Director
- J Consideration and possible recommendation to approve renewal #2 of contract 17-054-SC with Elk Ridge Construction, LLC (Water & Wastewater Treatment Plants) in the amount of \$53,139.90 - Mike Welch, Plant Operations Superintendent/Glenn W. Dishong, Water Utilities Director
- K Consideration and possible recommendation to approve amendment #1 and renewal #2 of contract 18-0017-SC with Elk Ridge Construction, LLC (Water & Wastewater Collection and Distribution Stations) in the amount of \$67,767.41 per year - David Thomison, Water Services Manager/Glenn W. Dishong, Water Utilities Director
- L Consideration and possible recommendation to approve the purchase of pump repairs from WEISINGER INC. from Conroe Texas in an amount not to exceed \$173,170.00, for Fiscal Year -- David W. Thomison, Water Services Manager/Mike Welch, Plant Operations Superintendent/Glenn W. Dishong, Water Utilities Director
- M Consideration and possible recommendation to approve a contract for the Lake Water Treatment Plant 980 High Service Pump Station Improvements project with Protta Construction, Inc. & Protta Inc., Joint Venture, in the amount of \$3,476,420.00 - Michael Hallmark, CIP Manager/Wesley Wright, P.E., Systems Engineering Director

## Adjournment

### Certificate of Posting

I, Robyn Densmore, City Secretary for the City of Georgetown, Texas, do hereby certify that this Notice of Meeting was posted at City Hall, 808 Martin Luther King Jr. Street, Georgetown, TX 78626, a place readily accessible to the general public as required by law, on the \_\_\_\_\_ day of \_\_\_\_\_, 2020, at \_\_\_\_\_, and remained so posted for at least 72 continuous hours preceding the scheduled time of said meeting.

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Robyn Densmore, City Secretary

City of Georgetown, Texas  
Utility System Advisory Board  
January 10, 2020

**SUBJECT:**

Call to Order

The Board may, at any time, recess the Regular Session to convene in Executive Session at the request of the Chair, a Board Member, the City Manager, Assistant City Manager, General Manager of Utilities, City Council Member, or legal counsel for any purpose authorized by the Open Meetings Act, Texas Government Code Chapter 551, and are subject to action in the Regular Session that follows.

**ITEM SUMMARY:**

**FINANCIAL IMPACT:**

N/A

**SUBMITTED BY:**

City of Georgetown, Texas  
Utility System Advisory Board  
January 10, 2020

**SUBJECT:**

January 2020 Utility Advisory Board - CIP Updates and November 2019 Council Actions -- Wesley Wright, P.E., Systems Engineering Director

**ITEM SUMMARY:**

GUS Item Update Coversheet January 2020

**Berry Creek Wastewater Interceptor – 3CJ**

Santa Clara crews are completing Camera Testing & continue with cleanup

**Berry Creek Wastewater Interceptor Phases 1, 2 & 3**

Alternative routing around Berry Springs Park near Market St. under review and redesign

**Braun Elevated Storage Tank (EST)**

Crews installing center tube and bowl to be raised late January 2020

**Cedar Breaks to Pastor Dedicated Water Line**

24" waterline has been tested and on line, trench repair paving complete with Chip Seal scheduled for early Spring 2020

**CR 255**

Recommended by GUS 10/09/15, approved by CC on 10/27/15. Preliminary Construction Plans are near 80% complete & Easements 50% complete

**Lake 980 High Service Pump Station**

Bid Opening on 12/10/19 with five Bids being evaluated

**Lake WTP Chemical Storage Improvements**

Task Order approved by GUS Board 12/8/17 & City Council 12/12/17. Possibly combined with another Project

**Lake WTP Raw Water Intake & Pump Station Improvements**

Divers have installed all 9 slide gates & gate control stems/brackets. Pipe work to be installed after first of the year in 2020

**Park Lift Station**

Task Order recommended by GUS 2/10/17 & approved by City Council 2/18/17. 100% Design Plans & Specs being reviewed by Staff, Bids early 2020

**Pastor Pump Station**

Pump# 1 had to be pulled and sent back to factory due to seal leaking. Pump expected back in February

**Pecan Branch WWTP**

Punchlist Items nearing completion. RAS pump replacement scheduled

**Ronald Reagan Water Line**

Ronald Reagan waterline in service, crews installing waterline from Main east on 7<sup>th</sup> street

**San Gabriel Wastewater Treatment Plant – Belt Press**

Electric duct banks installed crews to start excavating Belt Press slab 1/6/20

**Shell Road Water line**

Final Design Plans are 90% complete & Easements are 60% complete

**South Lake Water Treatment Plant – Intake & Raw Waterline**

Task Order approval by GUS Board 1/11/19 & City Council 1/22/19

**Sun City 2.0 MG Elevated Storage Tank**

Painting touch-up completed & new tank put back on line 12/18/19

**Water Tank Rehab- 2018**



CDM Task Order recommended by GUS Board 12/8/17 & approved by Council 12/12/17  
Tentatively out for Bid early 2020

**Westloop Waterline Improvements**

24" waterline installed up to SH29, bore under 29 – River Chase starts after 1/2/20

**November 2019 Council Actions** (no December meeting held) -- attached

**FINANCIAL IMPACT:**

N/A

**SUBMITTED BY:**

Wesley Wright, P.E., Systems Engineering Director/Michael Hallmark, CIP Manager

**ATTACHMENTS:**

	<b>Description</b>	<b>Type</b>
☐	January 2020 CIP Updates	Backup Material
☐	Council Rpt Nov 2019 mtg for Jan GUS	Backup Material

## GUS Item Update Coversheet January 2020

### **Berry Creek Wastewater Interceptor – 3CJ**

Santa Clara crews are completing Camera Testing & continue with cleanup

### **Berry Creek Wastewater Interceptor Phases 1, 2 & 3**

Alternative routing around Berry Springs Park near Market St. under review and redesign

### **Braun Elevated Storage Tank (EST)**

Crews installing center tube and bowl to be raised late January 2020

### **Cedar Breaks to Pastor Dedicated Water Line**

24" waterline has been tested and on line, trench repair paving complete with Chip Seal scheduled for early Spring 2020

### **CR 255**

Recommended by GUS 10/09/15, approved by CC on 10/27/15. Preliminary Construction Plans are near 80% complete & Easements 50% complete

### **Lake 980 High Service Pump Station**

Bid Opening on 12/10/19 with five Bids being evaluated

### **Lake WTP Chemical Storage Improvements**

Task Order approved by GUS Board 12/8/17 & City Council 12/12/17. Possibly combined with another Project

### **Lake WTP Raw Water Intake & Pump Station Improvements**

Divers have installed all 9 slide gates & gate control stems/brackets. Pipe work to be installed after first of the year in 2020

### **Park Lift Station**

Task Order recommended by GUS 2/10/17 & approved by City Council 2/18/17. 100% Design Plans & Specs being reviewed by Staff, Bids early 2020

### **Pastor Pump Station**

Pump# 1 had to be pulled and sent back to factory due to seal leaking. Pump expected back in February

**Pecan Branch WWTP**

Punchlist Items nearing completion. RAS pump replacement scheduled

**Ronald Reagan Water Line**

Ronald Reagan waterline in service, crews installing waterline from Main east on 7<sup>th</sup> street

**San Gabriel Wastewater Treatment Plant – Belt Press**

Electric duct banks installed crews to start excavating Belt Press slab 1/6/20

**Shell Road Water line**

Final Design Plans are 90% complete & Easements are 60% complete

**South Lake Water Treatment Plant – Intake & Raw Waterline**

Task Order approval by GUS Board 1/11/19 & City Council 1/22/19

**Sun City 2.0 MG Elevated Storage Tank**

Painting touch-up completed & new tank put back on line 12/18/19

**Water Tank Rehab- 2018**

CDM Task Order recommended by GUS Board 12/8/17 & approved by Council 12/12/17

Tentatively out for Bid early 2020

**Westloop Waterline Improvements**

24” waterline installed up to SH29, bore under 29 – River Chase starts after 1/2/20

**Project: Berry Creek Wastewater Interceptor**  
**Project# 3CJ**  
**Update – January 2020**

**Project Description:** This project will consist of approximately 15,000 linear feet of wastewater interceptor ranging in diameter from 36-inch to 30-inch from the existing Berry Creek lift station to the existing Sun City lift station. The alignment of the interceptor will generally follow Berry Creek.

**Purpose:** The purpose of this project is to add wastewater capacity in Sun City, provide wastewater service to the Shell road area, and will allow Sun City Lift Station to come off line when the future phases are complete.

**Project Manager:** Ken Taylor

**Engineer:** CDM Smith

**Contractor:** Santa Clara Construction

Phase	Start	Finish	Status / Comments
Preliminary Engineering	May 2015	February 2016	Recommended by GUS 5/8/15 approved by CC 5/26/15.
Final Design	February 2016	March 2018	100% complete
ROW / Easements	June 2015		Complete
Bid / Award Bid #			Approved by City Council on 12/11/18, NTP issued 1/24/19
Construction	January 2019	February 2020	Santa Clara crews are completing Camera Testing & continue with cleanup
Post Construction			



**Project:** Berry Creek Wastewater Interceptor  
Phase 1,2, &3  
Project#  
Update – January 2020

**Project Description:** This project will consist of approximately 21,500 linear feet of wastewater interceptor ranging in diameter from 36-inch to 48-inch from the existing Berry Creek lift station to the existing Pecan Branch Wastewater Plant. The alignment of the interceptor will generally follow Berry Creek.

**Purpose:** The purpose of this project is to add wastewater capacity in Sun City, provide wastewater service to the Shell road area, and will allow Sun City Lift Station to come off line.

**Project Manager:** Ken Taylor

**Engineer:** Walker Partners, LLC

**Contractor:** TBD

Phase	Start	Finish	Status / Comments
Preliminary Engineering			Recommended by GUS 10/13/17 Approved by City Council 10/23/17. Boring samples being analyzed
Final Design	Fall 2019	Spring 2020	
ROW / Easements			
Bid / Award Bid #			Alternative routing around Berry Springs Park near Market St. under review and redesign
Construction			
Post Construction			

**Project: Braun EST**  
**Project# 2JG**  
**Update – January 2020**

**Project Description:** This project involves - Design, bidding and general services during construction for a 3 MG elevated storage tank (EST) at the Braun EST site

**Purpose:** The purpose of this project is to add additional elevated water storage capacity and meet the demands of the water system in the 1178 pressure plane.

**Project Manager:** Ken Taylor

**Engineer:** CDM

**Contractor:** Landmark Structures

Phase	Start	Finish	Status / Comments
Preliminary Engineering	January 2018	March 2018	Task Order approved by GUS Board 12/8/17 & by City Council 12/12/17
Final Design	April 2018	July 2018	
ROW / Easements			
Bid / Award Bid #	September 2018	October 2018	Approved by GUS Board & Council in October
Construction	January 2019	June 2020	Crews installing center tube and bowl to be raised late January 2020
Post Construction			





**Project:** Cedar Breaks EST – Pastor 24 Inch Dedicated Water Line  
**Project#** 2JI  
**Update –** January 2020

**Project Description:** This project will consist of approximately 12,000 linear feet water line that will run from Cedar Breaks Elevated Storage Tank to the Pastor Ground Storage Tank. The waterline will run in DB Woods Rd right-of-way for the northern portion and around the north and western border of Wood Ranch for the southern portion.

**Purpose:** The purpose of this project is to run a dedicated water line from Cedar Breaks EST to Pastor Pump Station, this dedicated 24-inch waterline will allow the Pastor Pump Station to fill without depleting the existing distribution system and effecting fire flow. This will also increase the capacity of the Pastor Pump Station to keep up with growth and demand in the Western District.

**Project Manager:** Ken Taylor

**Engineer:** CDM Smith

**Contractor:** Prota Construction

Phase	Start	Finish	Status / Comments
Preliminary Engineering	July 2018	September 2018	Task Order approved by GUS Board 6/6/18 & City Council 6/26/18
Final Design	October 2018	November 2018	Preliminary Survey work starting
ROW / Easements	July 2018	November 2018	Complete
Bid / Award Bid #	January 2019	February 2019	Approved by Council 2/19
Construction	Early 2019	February 2020	24" waterline has been tested and on line, trench repair paving complete with Chip Seal scheduled for early Spring
Post Construction			





**Project:** County Road 255 Waterline Improvements

Project# 2JE

Update – January 2020

**Project Description:** This project involves upgrading the existing 15-inch water main with 16-inch C-905 or DI pipe. This project will consist of approximately 44,500 LF of 16-inch water main replacement.

**Purpose:** The purpose of this project is to upgrade the class pipe water mains to C-905 or DI pipe, and replace this existing main that has a large amount of water leaks.

**Project Manager:** Ken Taylor

**Engineer:** KPA

**Contractor:** TBD

Phase	Start	Finish	Status / Comments
Preliminary Engineering	October 2015	March 2016	Recommended by GUS 10/09/15, approved by City Council on 10/27/15.
Final Design	March 2016	Winter 2019	80% Complete
ROW / Easements	October 2015		50% complete
Bid / Award Bid #			
Construction			
Post Construction			

**Project:** Lake 980 High Service Pump Station  
Project# 2CH  
Update – January 2020

**Project Description:** This project includes installing 4 vertical turbine pumps, 1,245 linear feet of 30-inch waterline, electrical & instrumentation building and new flowmeter with vault.

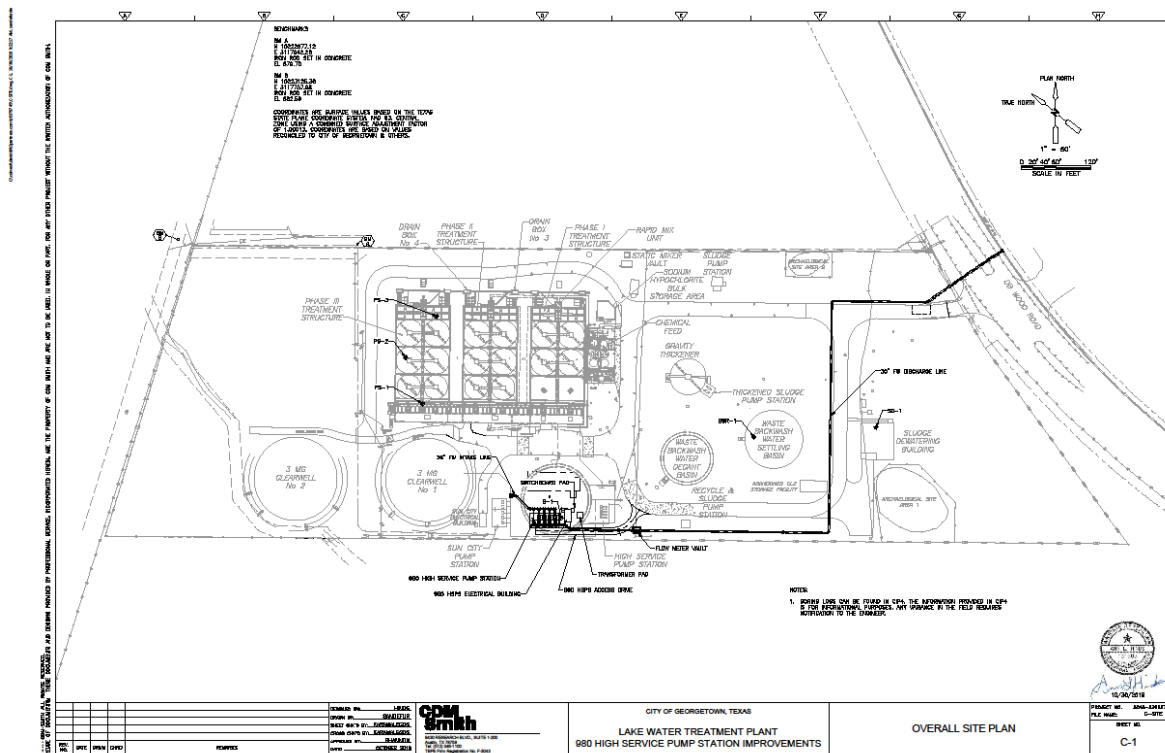
**Purpose:** The purpose of this project is to upgrade pumping capacity into the 980 pressure plane to meet peak water demands and growth in this pressure plane area.

**Project Manager:** Ken Taylor

**Engineer: CDM**

**Contractor:** TBD

Phase	Start	Finish	Status / Comments
Preliminary Engineering	March 2019	August 2019	Project out for Bid early November 2019
Final Design	August 2019	October 2019	
ROW / Easements			
Bid / Award Bid #			Bid Opening on 12/10/19 with five Bids being evaluated
Construction	February 2020	October 2020	Substantial Completion is 270 days from NTP



**Project: Lake WTP – Chemical Storage Improvements**  
**Project# 2CW**  
**Update – January 2020**

**Project Description:** This project involves - Design, bidding and general services during construction for the design of sodium permanganate storage and feed system improvements at the Lake WTP.


**Purpose:** The purpose of this project is the sodium permanganate storage and feed system improvements will be bid so that small specialized, qualified chemical feed contractors can bid the project.

**Project Manager:** Ken Taylor

**Engineer:** CDM

**Contractor:** TBD

Phase	Start	Finish	Status / Comments
Preliminary Engineering	January 2018	March 2018	Task Order approved by GUS Board 12/8/17 & City Council 12/12/17
Final Design	April 2018	June 2018	
ROW / Easements			
Bid / Award Bid #			Possibly combined with another Project
Construction			
Post Construction			



**CITY OF GEORGETOWN, TEXAS**

**LAKE WATER TREATMENT PLANT**

**SODIUM PERMANGANATE IMPROVEMENTS**

**PROJECT No. 2CW**

**NOVEMBER 2017**

CITY COUNCIL

MAYOR  
DALE ROSS

CITY COUNCIL MEMBERS

ANNA EBY	MAYOR PRO TEM/ DISTRICT 1
VALERIE NICHOLSON	DISTRICT 2
JOHN HESSER	DISTRICT 3
STEVE FOUGHT	DISTRICT 4
TY GIPSON	DISTRICT 5
RACHAEL JONROVE	DISTRICT 6
TOMMY GONZALEZ	DISTRICT 7


CITY MANAGER  
DAVID MORGAN

GENERAL MANAGER OF UTILITIES  
JIM BRIGGS

WATER SERVICES UTILITY DIRECTOR  
GLENN DIXON

SYSTEMS ENGINEERING DIRECTOR  
WESLEY WRIGHT, P.E.

WATER UTILITY ENGINEER  
DAVID MUNK, P.E.



LOCATION PLAN

CITY OF GEORGETOWN, PROJECT MANAGER \_\_\_\_\_ DATE \_\_\_\_\_

CITY OF GEORGETOWN, UTILITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

PREPARED BY: \_\_\_\_\_

CDM Smith  
AUSTIN, TEXAS  
TRANSPORTATION

**Water**
**Environment**
**Energy**
**Facilities**

**Project: Lake Water Treatment Plant Raw Water Intake & Pump Station Maintenance Improvements**  
**Project# 2CU**  
**Update – January 2020**

**Project Description:** This project involves - Design bidding and general services during construction for the maintenance improvements consist of replacing the intake gates and other general maintenance on the 40-year-old intake. The maintenance improvements also consist of replacing some discharge piping at the Raw Water Pump Station

**Purpose:** The purpose of this project is the replacing the intake gates and other general maintenance on the 40-year-old intake. There will also be revisions to the discharge piping that will reduce the pump head loss at the existing pump

**Project Manager:** Ken Taylor

**Engineer:** CDM

**Contractor:** Huffman Contractors

Phase	Start	Finish	Status / Comments
Preliminary Engineering	October 2017	November 2017	Approved by GUS Board 9/17 & City Council September 17
Final Design	November 2017	February 2018	
ROW / Easements			
Bid / Award Bid #	April 2018	May 2018	Approved by City Council 5/22/18
Construction	Fall 2018	Spring 2020	Divers have installed all 9 slide gates & gate control stems/brackets. Pipe work to be installed after first of year in 2020
Post Construction			



**Project: San Gabriel Park Lift Station Improvements**  
**Project# 3CN**  
**Update – January 2020**

**Project Description:** This project will consist of the construction a new wastewater lift station with appurtenant electrical and instrumentation improvements.

**Purpose:** The purpose of this project is to provide wastewater service for growth and development in the San Gabriel Wastewater Basin.

**Project Manager:** Ken Taylor

**Engineer:** KPA

**Contractor:** TBD

Phase	Start	Finish	Status / Comments
Preliminary Engineering	March 2017	June 2017	Recommended by GUS 2/10/17& City Council 2/18/17
Final Design	July 2017	December 2017	90% Plans under review by Staff TCEQ variance under review
ROW / Easements	N/A	N/A	
Bid / Award Bid #			Tentatively Bids early 2020 Reviewing 100% Plans & Specs prior to Bid
Construction			
Post Construction			

**City of Georgetown, Texas**

**SAN GABRIEL PARK LIFT STATION**

**IMPROVEMENTS**

**100% SET**



City Council

Mayor

Dale Rose

Mayor Pro-Tem

Ann City

City Council Members

Anna Eby . . . . . District 1

Valerie Nicholson . . . . . District 2

John Mosser . . . . . District 3

Steve Pough . . . . . District 4

Ty Olbreach . . . . . District 5

Richard Johnson . . . . . District 6

Tommy Gonzalez . . . . . District 7

City Manager

Cecilia Morgan

Approved by the City of Georgetown, Texas  
this \_\_\_\_\_ day of \_\_\_\_\_, 2018.

Director,  
System Engineering \_\_\_\_\_ Date \_\_\_\_\_

Manager,  
System Engineering \_\_\_\_\_ Date \_\_\_\_\_



KASBERG KATZKE & ASSOCIATES, LP  
CONSULTING ENGINEERS  
1000 W. 11th Street, Suite 100  
Georgetown, Texas 78626  
Phone: 512.863.1111

*[Signature]*  
4-16-18

**Project: Pastor Pump Station**  
**Project# 2BZ**  
**Update – January 2020**

**Project Description:** This project involves upgrading the existing pump station with two new motors, pumps, electrical, instrumentation & HVAC. Design of pipeline improvements to provide more water to the Pastor Pump Station and to complete the West Loop Water Line near SH 29 and DB Wood Road.

**Purpose:** The purpose of this project is to upgrade pipeline improvements and to provide more water to the Pastor Pump Station and to complete the West Loop Water Line near SH 29 and DB Wood Road.

**Project Manager:** Ken Taylor

**Engineer:** CDM

**Contractor:** Archer Western

Phase	Start	Finish	Status / Comments
Preliminary Engineering	May 2017	October 2017	Task Order recommended by GUS 4/14/17 and goes to Council 4/25/17.
Final Design	October 2017	February 2018	
ROW / Easements			
Bid / Award Bid #			GUS Board approved Contract with Archer Western 3/9/18 and Council approved 3/27/18
Construction	April 2018	Winter 2019	Pump# 1 had to be pulled and sent back to factory due to seal leaking. Pump expected back in Februaray





**Project:** Pecan Branch Wastewater Treatment Plant Expansion  
Project# 3CA  
Update – January 2020

**Project Description:** The project includes expanding the existing Pecan Branch WWTP from 1.5 to 3.0 MGD including the construction of an influent pump station, screening and grit removal facilities, aeration basins, secondary clarifiers, cloth disk filters, UV disinfection facility, sludge holding tanks facilities, site grading and paving, electrical improvements, and instrumentation improvements.

**Purpose:** The purpose of this project is to provide wastewater treatment for future growth and development.

**Project Manager:** Ken Taylor

**Engineer:** CDM Smith

**Contractor:** CSA Construction

Phase	Start	Finish	Status / Comments
Preliminary Engineering	November 2012	March 2013	Complete
Final Design	December 2015	January 2017	100% Set of Plans
ROW / Easements			Complete
Bid / Award Bid # 201717	March 2017	May 2017	Bid Opening 3/28/17 GUS Board approved 4/14/17 City Council 4/25/17
Construction	July 2017	January 2020	Punchlist Items nearing completion. RAS pump replacement scheduled
Post Construction			



**Project: Ronald Reagan Waterline Improvements**  
**Project# 2JM**  
**Update – January 2020**

**Project Description:** This project involves upgrading the existing 15-inch water main with 16-inch C-905 or DI pipe. This project will consist of approximately 44,500 LF of 16-inch water main replacement.

**Purpose:** The purpose of this project is to install 21,300 LF of 30" water main on the west side of Ronald Reagan from FM 2338 (Williams dr) to FM 3405

**Project Manager:** Ken Taylor

**Engineer:** KPA

**Contractor:** Royal Vista

Phase	Start	Finish	Status / Comments
Preliminary Engineering	October 2015	March 2016	KPA Task Order approved by GUS Board & City Council on 8/28/18
Final Design	March 2016	February 2018	80% Complete
ROW / Easements	October 2015		50% complete
Bid / Award Bid #			Approved by City Council 12/11/18
Construction	January 2019	February 2020	Royal Vista installing water & wastewater lines along 7 <sup>th</sup> street east of Main
Post Construction			





**Project:** San Gabriel Wastewater Treatment Plant – Belt Press  
Project# 3CP  
Update – January 2020

**Project Description:** This project involves - Design, bidding and general services during construction for a new sludge dewatering building and the installation of dewatering equipment, a polymer system and a conveyor for the San Gabriel Wastewater Treatment Plant (WWTP)

**Purpose:** The purpose of this project is to replace the existing drying beds with a new sludge dewatering building and the installation of dewatering equipment, a polymer system and a conveyor to load a roll-off dumpster.

**Project Manager:** Ken Taylor

**Engineer:** CDM

**Contractor:** TBD

Phase	Start	Finish	Status / Comments
Preliminary Engineering	April 2018	August 2018	Task Order approved by GUS Board 3/9/18 & by City Council 3/27/18
Final Design	August 2018	December 2018	
ROW / Easements	N/A		
Bid / Award Bid #	February 2019	August 2019	NTP issued 11/4/19
Construction	Nov. 2019	August 2020	Electric duct banks installed crews to start excavating Belt Press slab 1/6/20
Post Construction			



**Project: Shell Road Waterline Improvements**  
**Project# 3CI**  
**Update – January 2020**

**Project Description:** This project will consist of approximately 13,500 LF of 16-inch water line and approximately 2300 LF of 12-inch waterline.

**Purpose:** The purpose of this project is to provide secondary feed of water to Sun City.

**Project Manager:** Ken Taylor

**Engineer:** KPA


**Contractor:** TBD

Phase	Start	Finish	Status / Comments
Preliminary Engineering	April 2015	August 2015	Task Order Recommended by GUS 3/13/15 Approved by CC 3/24/15.
Final Design	August 2015	March 2018	90% complete
ROW / Easements	June 2015	October 2017	60% complete
Bid / Award Bid			
Construction			
Post Construction			

## City of Georgetown, Texas

# SHELL ROAD WATERLINE EXTENSION

**City Council**  
**Mayor**  
 Dale Ross  
**Mayor Pro-Tem**  
 Keith Brinard  
**City Council Members**  
 Anna Eby . . . . . District 1  
 Keith Brinard . . . . . District 2  
 John Hesser . . . . . District 3  
 Steve Fought . . . . . District 4  
 Ty Glisson . . . . . District 5  
 Rachael Johnson . . . . . District 6  
 Tommy Gonzalez . . . . . District 7  
**City Manager**  
 David Morgan  
CITY OF GEORGETOWN, TEXAS  
 SHELL ROAD WATERLINE EXTENSION



EST. 1848  
GEORGETOWN  
TEXAS


**PRELIMINARY REVIEW SET**

Approved by the City of Georgetown, Texas  
 This \_\_\_\_\_ day of \_\_\_\_\_, 2015.

\_\_\_\_\_  
 Utilities Engineer                      Date

\_\_\_\_\_  
 Manager,                                  Date  
 Systems Engineering

This document is intended for the review of the City of Georgetown, Texas. It is not to be used for construction, bidding or permit purposes.



**KASBERG, PATRICK & ASSOCIATES, L.P.**  
 CONSULTING ENGINEERS  
 GEORGETOWN, TEXAS 78626  
 FIRM REGISTRATION NO. P-210

CITY OF GEORGETOWN, TEXAS  
 SHELL ROAD WATERLINE EXTENSION

**Project: South Lake Water Treatment Plant Intake & Raw Waterline**  
**Project# 2BN**  
**Update – January 2020**

**Project Description:** This project will consist of design/engineering for a 22 MGD raw water intake & pump station with future expansion to 44 MGD and 3,800 LF of raw water pipeline to carry water to the SLWTP.

**Purpose:** The purpose of this project is to provide the supply & demand for future water needs for the City of Georgetown and Western District

**Project Manager:** Ken Taylor

**Engineer:** CDM

**Contractor:** TBD

Phase	Start	Finish	Status / Comments
Preliminary Engineering	February 2019	August 2019	Task Order approval by GUS Board 1/11/19 & City Council 1/22/19
Final Design	August 2019	April 2020	
ROW / Easements			
Bid / Award Bid	Summer 2020		
Construction	Fall 2020		
Post Construction			

TASK ORDER

Task Order No. CDM-19-001-TO,  
 consisting of 12 pages.

**Task Order**

In accordance with paragraph 1.01 of the Master Services Agreement between Owner and CDM Smith, Inc. ("Engineer") for Professional Services – Task Order Edition, dated September 30, 2016, ("Agreement"), Owner and Engineer agree as follows:

- Specific Project Data**
  - Title: South Lake Water Treatment Plant Intake and Raw Waterline
  - Description: Preliminary Engineering, Final Design, Bidding and Construction Services for the new South Lake Water Treatment Plant (SLWTP) raw water pump station and pipeline. The plant will have a treatment capacity of 22 million gallons per day (MGD) with capabilities for expanding to 44 MGD in the future. The raw water supply facilities will include a raw water intake and pump station and 3,800 LF of raw water pipeline to carry water to the SLWTP. The SLWTP raw water pump station and raw water pipeline will be designed and packaged as two sets of construction documents. The work will be constructed in two separate construction contracts.
  - City of Georgetown Project Number: 2BN
  - City of Georgetown General Ledger Account No.: 6600-0580-00-049
  - City of Georgetown Purchase Order No.: \_\_\_\_\_
  - Master Services Agreement Contract Number: 2016-738-65A

Georgetown – Revised L&E  
 K&C 10-16-2019 Standard Form of Agreement Between Owner and Engineer Professional Services – Task Order Edition  
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 Attachment E – Task Order Form  
 Page 1 of 12

Project: Sun City Elevated Water Storage Tank  
Project# 2CP  
Updated – January 2020

**Project Description:** This project will consist of the replacement of the existing .4 million gallon Elevated Water Storage Tank with a 2 million gallon Elevated Water Storage Tank.

**Purpose:** The purpose of this project is to increase elevated water storage in the Sun City 1015 pressure plan from .4 MG to 2MG to meet the demands of the water system in the 1015 pressure plane.

**Project Manager:** Chris Pousson

**Engineer:** Dunham Engineering, Inc.

**Contractor:** CB&I



Phase	Start	Finish	Status / Comments
Preliminary Engineering	November 2016	May 2017	Task Order recommended by GUS 11/11/16, Approved by CC 11/22/16.
Final Design	May 2017	June 2017	100% complete
ROW / Easements	N/A	N/A	N/A
Bid / Award Bid #	July 2017	September 2017	GUS Board and Council Approved
Construction	December 2017	June 2019	Painting touch-up completed & new tank put back on line 12/18/19
Post Construction			

**Project: Water Tank Rehab - 2018**  
**Project# 2CX**  
**Update – January 2020**

**Project Description:** This project involves - Design bidding and general services during construction for the demolition of the steel ground storage tank (GST) and steel lime silo at the Park Water Treatment Plant (WTP), demolition of the Woods GST, and rehabilitation of the 1 MG GST at the Southside WTP; and design


**Purpose:** The purpose of this project is the demolition of the steel structures at the Park WTP and the Woods sites and rehabilitation of the 1 MG GST at the Southside WTP site will be bid so that qualified demolition and tank rehab contractors can bid the project.

**Project Manager:** Ken Taylor

**Engineer:** CDM

**Contractor:** TBD

Phase	Start	Finish	Status / Comments
Preliminary Engineering	January 2018	March 2018	Task Order recommended by GUS Board 12/8/17 & approved by Council 12/1/2/17
Final Design	April 2018	June 2018	
ROW / Easements			
Bid / Award Bid #	Early 2020		Tentatively out for Bid early 2020
Construction			
Post Construction			

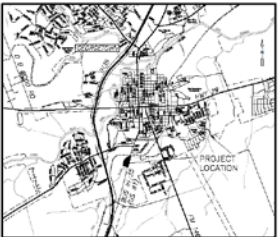


**CITY OF GEORGETOWN, TEXAS**


**2018 SOUTHSIDE WATER TREATMENT PLANT  
TANK REHAB**

**PROJECT No. 2CX**

**NOVEMBER 2017**



LOCATION PLAN



**AUSTIN, TEXAS**  
**Transportation**

CITY COUNCIL

MAYOR  
DALE ROSS

CITY COUNCIL MEMBERS

ANNA EBY	DISTRICT 1
VALERIE NICHOLSON	DISTRICT 2
JOHN HESSER	DISTRICT 3
STEVE FOUGHT	DISTRICT 4
TY GIPSON	DISTRICT 5
RACHAEL JONROWE	DISTRICT 6
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CITY MANAGER  
DAVID MORGAN

GENERAL MANAGER OF UTILITIES  
JIM BRIGGS

WATER SERVICES UTILITY DIRECTOR  
GLENN DISMONG

SYSTEMS ENGINEERING DIRECTOR  
WESLEY WRIGHT, P.E.

WATER UTILITY ENGINEER  
DAVID MUNK, P.E.

CITY OF GEORGETOWN, PROJECT MANAGER \_\_\_\_\_ DATE

CITY OF GEORGETOWN, UTILITY ENGINEER \_\_\_\_\_ DATE

PREPARED BY: \_\_\_\_\_

FILE NO. 11-100 \_\_\_\_\_ DATE

**Water**
**Environment**
**Transportation**
**Energy**
**Facilities**



**Project: West Loop Waterline Improvements**  
**Project# 2JJ**  
**Update – January 2020**

**Project Description:** The project consists of furnishing, installing, and providing all labor and materials required to install approximately 2,410 linear feet of new 24-inch diameter water pipeline and approximately 425 linear feet of 8-inch diameter water pipeline

**Purpose:** The purpose of this project is to provide adequate flows & pressure to the West University and River Chase areas

**Project Manager:** Ken Taylor

**Engineer:** CDM

**Contractor:** Santa Clara Construction

Phase	Start	Finish	Status / Comments
Preliminary Engineering	Feb	March 2019	Task Order Issued 1/24/19
Final Design	March 2019	May 2019	Complete
ROW / Easements	June 2015	October 2017	Complete
Bid / Award Bid			Approved by City Council 6/25/19, PreConstruction Meeting held 8/12/19 & NTP issued for 9/6/19
Construction	September 2019	April 2020	24" waterline installed up to SH29, bore under 29 – River Chase starts after 1/2/20
Post Construction			



## **GUS BOARD ITEMS FORWARDED TO COUNCIL**

**November 26, 2019**

*(No December meeting held)*

**G**

Forwarded from Georgetown Utility Systems Advisory Board (GUS):

Consideration and possible action to execute Task Order No. CDM-19-006-TO with CDM Smith Inc. and to execute an Inter-local Agreement between the City of Georgetown and the Brazos River Authority for the sharing of costs of an Aquifer Storage and Recovery (ASR) Assessment Project in the amount of \$165,000.00 -- Glenn W. Dishong, Water Utilities Director

**H**

Forwarded from Georgetown Utility Advisory Board (GUS):

Consideration and possible action to approve Task Order CDM-20-001-TO with CDM Smith, Inc. for American Water Infrastructure Act Risk and Resilience Evaluation in the amount of \$150,000.00 -- Glenn W. Dishong, Water Utilities Director

**I**

Forwarded from Georgetown Utility Systems Advisory Board (GUS):

Consideration and possible action to approve a Second Renewal with Wesco Distribution, Inc. to provide Honeywell electric meters and related items for the Advanced Metering Infrastructure system in an amount not to exceed \$420,000.00 -- Leticia Zavala, Customer Care Director

***ALL ITEMS PASSED***

City of Georgetown, Texas  
Utility System Advisory Board  
January 10, 2020

**SUBJECT:**

Presentation of the 4<sup>th</sup> Quarter Financials for Water and Electric – Paul Diaz, Budget Manager

**ITEM SUMMARY:**

**Electric Fund:** The total annual operating revenue in the Electric Fund totals \$85.7 million through the fourth quarter, or 101% of budget, and 0.3% variance from projection. Electric revenue sales, the largest component of operating revenue, totals \$80.2 million. The Power Cost Adjustment (PCA) was increased in February and June. Other operating revenues, which is comprised of the metering allocation, developer contributions, and other components, totals \$5.3 million through the quarter.

Total annual operating expenses in the Electric Fund total \$78.4 million through the quarter. Purchase power expenses total \$58.5 million, while congestion revenue rights (CRRs) credits total -\$2.8 million. Net purchase power totals \$55.6 million, which is \$5.5 million higher than budgeted or 10.8%. The primary factors are transmission congestion and curtailment, late summer price spikes in the market, and a change to accruals for purchase power invoices.

In addition to the PCA increase mentioned above, staff recommends the following adjustments to mitigate purchased power costs as part of the year-end budget amendment. The year-to-date column of the fund schedule presented in this report is reflective of these proposed amendments. Staff has not adjusted the budget column because at the time of this report Council has not acted on the proposed amendment.

First, the amendment recognizes \$1.2 million in revenue from sale of energy to customers and charges to customers.

Second, staff proposes to sell land owned by the Electric fund to the Fleet Fund. This land will be the future site of the new Fleet Service Center envisioned in the facilities assessment. This amount totals \$481,927 and is shown in the fund schedule under “Sale of Assets” in non-operating revenue.

Third, the Water Fund will purchase the Electric Fund’s portion of the Westside Service Center (WSSC), as well as repay the debt service payments made for the facility in the past. The center is primarily used to serve the large western water customer area. In FY2020, some electric personnel will move from the center to the Georgetown Municipal Complex (GMC), and water staff at the GMC will relocate to the WSSC. The purchase of Electric’s share of the building totals \$356,894. This shown in non-operating revenue under “Sale of Assets”. The previously paid debt service principal and interest totaled \$470,000 and \$305,234 respectively (net of handling fees \$1,275 on the schedule under debt service and interest expense). Additionally, staff proposes to reclass the remaining liability of 2013 Certificate of Obligation Bonds for the Westside Service Center totaling \$1.56 million from Electric to Water. This is shown in the fund schedule as a transfer in under non-operating revenue.

Fourth, staff proposes selling a portion of the fiber network owned by Electric to the Information Technology Fund. The Electric Fund installed and operates the network that is used by departments across the City. This transaction will purchase all the fiber infrastructure installed from 2003 to 2011 at a cost of \$645,044. In FY 2020, staff will develop a multi-year plan for the IT Fund to buy the remainder of the fiber assets, and allocate operation and maintenance costs to all using funds.

Finally, other amendments include: The South Georgetown Tax Increment Reinvestment Zone Fund will reimburse \$633K of infrastructure investments made by the Electric Fund. This is shown as a transfer in under non-operating revenue. Other changes under non-operating revenue include the sale of Renewable Energy Credits for \$722K, and refunding the \$100K Bloomberg Grant revenue after Council action to not move forward with the grant. Operating expenditures are reduced throughout the utility, including reallocating the cost of conservation programs that primarily benefit water use to the Water Fund. Return on Investment transfer to the General Fund was also reduced an additional \$500K. Capital expenditures are



also reduced.

Pending the approval of the year-end budget amendment, it is anticipated the fund will finish the year with an ending fund balance of \$6.3 million. This balance covers the 90-day operating contingency reserve and begins to recover the rate stabilization reserve.

**Water Fund:** Overall water operating revenue totals \$67.8 million, or 113.5% of budget. The City experienced higher than projected water sales in the fiscal year. This fact also has a positive impact on ROI and Franchise Fees in the General Fund. Capital Recovery Fees finished FY2019 higher than budget and higher than projected. Over the last three fiscal years, the City has seen strong growth in this revenue stream. There were no non-operating revenues in the water fund in FY2019 while staff worked on existing multi-year debt and cash funded projects.

Water operating expenses total \$37 million, or 99% of budget. The fund experienced some operational savings in utilities, legal services, and contracts.

Non-operating expenses total \$37.4 million. The Capital Improvement budget in the Water Fund totals \$85.6 million. Staff will be bringing forward a CIP rollforward amendment in December to move funds unspent in FY2019 into the FY2020 Budget for multi-year projects such as the Berry Creek Interceptor and Lake Water Treatment Plant.

The debt service actuals for FY2019 exceed budget due to the reimbursement of debt principal and interest payment made by Electric for the Westside Service Center. The year-end budget amendment includes corresponding amendments to the Water Fund as described for Electric.

Ending available fund balance of \$47.5 million is \$15 million higher than projected. However, this balance is used to cash fund 50% of water capital projects next year.

**FINANCIAL IMPACT:**

N/A

**SUBMITTED BY:**

Paul Diaz, Budget Manager (skm)

**ATTACHMENTS:**

Description		Type
❑	Water and Electric 4th Quarter Update	Presentation
❑	610-Electric Q4 2019	Backup Material
❑	660-Water Q4 2019	Backup Material

# Water and Electric 4<sup>th</sup> Quarter Update

# Electric Fund Revenues

- Operating revenue in the Electric Fund totals \$85.7 million through the fiscal year, or 101.4% of budget and 0.33% projections.
- Electric revenue sales, the largest component of operating revenue, totals \$80.2 million.
  - The Power Cost Adjustment increase occurred in February and June.
- Other revenues, which is comprised of the AMR allocation, developer contributions, and other components, totals \$5.3 million.

# Electric Fund Expenses

- Operating expenses in the Electric Fund total \$78.4 million through the quarter.
  - Purchase power expenses total \$58.5 million.
  - While congestion revenue rights (CRRs) credits total -\$2.8 million.
  - Net purchase power totals \$55.6 million, which is \$5.45 million higher than budgeted or 10.8%.
    - Congestion and curtailment
    - Late summer price spikes
    - Corrected accounting accruals process to improve the matching of revenues and expenses.

# Electric Amendment

- Staff is proposing several amendments to the Electric Fund – both in revenues and expenses.
- The next item on the agenda will be a detailed explanation of these proposed amendments.
- The budget column in the fund schedule does not reflect these proposed changes as they have not been approved by Council.
- The Year-To-Date column is shown as though these amendments have been approved.

# Electric Amendment

- Adjust purchased power and CRRs (\$5.4 M)
- Sell assets
  - Fiber network installed from 2003 to 2011 to the IT fund (\$645K - Multi-year process)
  - Land to the Fleet Fund (\$481K)
  - Electric's share of the Westside Service Center (\$356K)
  - Renewable Energy Credits in the amount of (\$722K)
- Increase the transfer from the South Georgetown TIRZ for capital infrastructure investment from previous fiscal years. (\$85K)

# Electric Amendment

- Recognizing additional utility revenue (\$1.2M)
- Reduce operating expenses (\$440K)
- Reduce the Return on Investment transfer to the General Fund (\$500K)
- Not moving forward with Bloomberg Grant (\$100K)
- Reduce capital expenses by (\$160K)
- Reimburse debt expenses for Westside Service Center (\$775K) and reduce remaining debt liability (\$1.5 million)

# Electric Summary

	Projected	Actuals	Variance
Beginning Fund Balance	2,103,922	2,103,922	-
Revenues	89,171,943	90,100,404	928,461
Expenses	86,336,198	85,870,914	(465,284)
Ending Fund Balance	4,939,667	6,333,412	1,393,745
Contingency	4,082,999	4,082,999	-
Rate Stabilization	856,668	2,250,413	1,393,745
Available Fund Balance	-	-	-



# Water Fund

- Overall water operating revenue totals \$67.8 million, or 113.6% of budget.
  - Higher than projected water sales. A positive impact on ROI and Franchise Fees in the General Fund.
- Capital Recovery Fees finished FY2019 higher than budget and higher than projected. Over the last three fiscal years, the City has seen strong growth in this revenue stream.
- There were no non-operating revenues (bond proceeds) in the water fund in FY2019.

# Water Fund

- Water operating expenses total \$37 million, or 99% of budget.
- Non-operating expenses total \$37.4 million.
  - The Capital Improvement budget in the Water Fund totals \$85.66 million. Staff will be bringing forward a CIP rollforward amendment in December to move funds unspent in FY2019 into the FY2020 Budget
  - Projects such as the Berry Creek Interceptor and Lake Water Treatment Plant.
- The debt service actuals for FY2019 exceed budget due to the reimbursement of debt principal and interest payment made by Electric for Westside Service Center.

# Water Fund Summary

	Projected	Actuals	Variance
Beginning Fund Balance	89,128,534	89,128,534	-
Revenues	63,079,016	67,878,047	4,799,031
Expenses	84,691,071	74,495,412	(10,195,659)
Ending Fund Balance	67,516,479	82,511,169	14,994,690
90 Day Contingency	7,498,183	7,498,183	-
Non-Operational Con.	9,500,000	9,500,000	-
Bond Proceed Reserve	18,000,000	18,000,000	-
Available Fund Balance	32,518,296	47,512,986	14,994,690

# Water Fund and CIP

- FY2020 Capital Improvement Plan
  - New Water Projects total \$18.6 million.
  - New Wastewater Projects total \$17 million.
  - \$45 Million of FY2019 Water/Wastewater were pre-rolled in the FY2020 Budget process.
  - Staff will bring the FY2020 Rollforward Amendment in Dec with additional projects that were not rolled in the budget process.

**Electric Fund**  
**Preliminary Actuals to Year-End Projection: Sep FY2019**

	APPROVED BUDGET	CURRENT PERIOD	YEAR TO DATE (W/ENCUMB)	YEAR-END PROJECTION	YEAR-END VARIANCE FAV(UNFAV)	% YEAR-END VARIANCE FAV(UNFAV)
<b>BEGINNING FUND BALANCE</b>	<b>2,103,922</b>		<b>2,103,922</b>	<b>2,103,922</b>	<b>-</b>	<b>0.00%</b>
<b>Operating Revenue</b>						
Electric Revenue	79,100,000	9,368,227	80,255,956	80,100,000	155,956	0.19%
Interest	38,000	2,968	78,214	78,214	-	-
Other Revenue	5,233,546	827,032	5,343,637	5,216,177	127,460	2.44%
Transfer In	95,787	-	-	-	-	NA
<b>Operating Revenue Total</b>	<b>84,467,333</b>	<b>10,198,227</b>	<b>85,677,807</b>	<b>85,394,391</b>	<b>283,416</b>	<b>0.33%</b>
<b>Operating Expenditures</b>						
CRR Credits	(3,000,000)	(532,188)	(2,821,759)	(2,821,759)	-	-
Georgetown Utility Systems	19,337,779	1,870,561	18,897,528	19,347,922	450,394	2.33%
Purchased Power	53,185,477	11,879,286	58,465,559	58,465,559	-	-
Transfers Out -ROI	4,325,000	153,497	3,825,000	3,825,000	-	-
<b>Operating Expenditures Total</b>	<b>73,848,256</b>	<b>13,371,156</b>	<b>78,366,328</b>	<b>78,816,722</b>	<b>450,394</b>	<b>0.57%</b>
<b>Total Net Operations</b>	<b>10,619,077</b>	<b>(3,172,929)</b>	<b>7,311,479</b>	<b>6,577,669</b>	<b>733,810</b>	<b>11.16%</b>
<b>Non-Operating Revenue</b>						
Renewable Energy Credits	-	722,381	722,381	722,381	-	-
Grant Revenue	100,000	-	-	-	-	NA
Transfers In	548,104	2,196,009	2,196,009	2,196,009	-	-
Sale of Assets	10,000	1,483,867	1,504,207	859,162	645,045	75.08%
<b>Non-Operating Revenue Total</b>	<b>658,104</b>	<b>4,402,257</b>	<b>4,422,597</b>	<b>3,777,552</b>	<b>645,045</b>	<b>17.08%</b>
<b>Non-Operating Expenditures</b>						
CIP	4,017,007	744,586	3,857,165	3,872,055	14,890	0.38%
Interest Expense	1,386,781	(305,234)	1,081,547	1,081,547	-	-
Debt Service	3,035,374	(468,725)	2,565,874	2,565,874	-	-
<b>Non-Operating Expenditures Total</b>	<b>8,439,162</b>	<b>(29,373)</b>	<b>7,504,586</b>	<b>7,519,476</b>	<b>14,890</b>	<b>0.20%</b>
<b>Total Net Non-Operations</b>	<b>(7,781,058)</b>	<b>4,431,630</b>	<b>(3,081,989)</b>	<b>(3,741,924)</b>	<b>659,935</b>	<b>17.64%</b>
<b>EXCESS (DEFICIENCY) OF TOTAL REVENUE OVER TOTAL REQUIREMENTS</b>	<b>2,838,019</b>	<b>1,258,702</b>	<b>4,229,490</b>	<b>2,835,745</b>	<b>1,393,745</b>	<b>49.15%</b>
<b>ENDING FUND BALANCE</b>	<b>4,941,941</b>		<b>6,333,412</b>	<b>4,939,667</b>	<b>1,393,745</b>	<b>28.22%</b>
<b>RESERVES</b>						
Contingency	4,082,999		4,082,999	4,082,999		
Rate Stabilization Reserve	147,079		2,250,413	856,668		
<b>Reserves Total</b>	<b>4,230,078</b>		<b>6,333,412</b>	<b>4,939,667</b>		
<b>AVAILABLE FUND BALANCE</b>	<b>711,863</b>		<b>0</b>	<b>0</b>	<b>-</b>	<b>-</b>

**Water Fund**  
**Preliminary Actuals to Year-End Projection: Sep FY2019**

	APPROVED BUDGET	CURRENT PERIOD	YEAR TO DATE (W/ENCUMB)	YEAR-END PROJECTION	YEAR-END VARIANCE FAV(UNFAV)	% YEAR-END VARIANCE FAV(UNFAV)
<b>BEGINNING FUND BALANCE</b>	<b>89,159,703</b>		<b>89,128,534</b>	<b>89,128,534</b>	<b>-</b>	<b>0.00%</b>
<b>Operating Revenue</b>						
Capital Recovery Fee	14,250,000	1,163,198	15,803,197	15,139,255	663,942	4.39%
Interest	569,400	160,456	2,080,718	1,482,998	597,720	40.30%
Irrigation Utility Revenue	301,557	89,338	302,818	301,578	1,241	0.41%
Other Revenue	2,262,146	321,202	5,316,144	3,546,274	1,769,870	49.91%
Raw Water Revenue	140,000	132,603	353,873	140,000	213,873	152.77%
Transfer In, Debt	103,725	103,725	103,725	103,725	-	0.00%
Wastewater Utility Revenue	12,975,345	(40,868)	12,026,638	13,015,186	(988,548)	-7.60%
Water Utility Revenue	29,116,931	5,547,482	31,890,934	29,350,000	2,540,934	8.66%
<b>Operating Revenue Total</b>	<b>59,719,104</b>	<b>7,477,137</b>	<b>67,878,047</b>	<b>63,079,016</b>	<b>4,799,031</b>	<b>7.61%</b>
<b>Operating Expenditures</b>						
Irrigation	270,324	21,318	167,875	270,000	102,125	37.82%
Transfer Out, Fleet/Joint Service	245,000	-	245,000	245,000	-	0.00%
Transfer Out, General	275,000	68,750	275,000	275,000	-	0.00%
Transfer Out, ROI	3,200,000	1,842,036	3,286,284	3,200,000	(86,284)	-2.70%
Transfer Out, Utilities	95,787	-	-	-	-	N/A
Wastewater Distribution	904,415	206,395	713,376	795,050	81,674	10.27%
Wastewater Plant Management	2,705,069	345,293	2,843,610	2,687,676	(155,934)	-5.80%
Water Administration	19,923,733	3,272,624	20,251,416	20,981,179	729,763	3.48%
Water Distribution	2,707,265	550,231	2,450,121	2,598,600	148,479	5.71%
Water Operations	4,157,528	384,377	4,241,261	4,252,288	11,027	0.26%
Water Plant Management	2,948,733	399,701	2,588,735	2,909,309	320,573	11.02%
<b>Operating Expenditures Total</b>	<b>37,432,854</b>	<b>7,090,725</b>	<b>37,062,678</b>	<b>38,214,102</b>	<b>1,151,424</b>	<b>3.01%</b>
<b>Total Net Operations</b>	<b>22,286,250</b>	<b>386,412</b>	<b>30,815,368</b>	<b>24,864,914</b>	<b>5,950,455</b>	<b>23.93%</b>
<b>Non-Operating Revenue</b>						
Bond Proceeds	-	-	-	-	-	N/A
<b>Non-Operating Revenue Total</b>						
<b>Non-Operating Expenditures</b>						
Transfer Out	-	1,562,500	1,562,500	-	(1,562,500)	N/A
CIP 90	85,667,940	2,247,266	28,783,245	40,226,858	11,443,613	28.45%
CIP 91	-	-	62,218	-	(62,218)	N/A
Debt Service	6,250,111	777,759	7,024,771	6,250,111	(774,660)	-12.39%
<b>Non-Operating Expenditures Total</b>	<b>91,918,051</b>	<b>4,587,524</b>	<b>37,432,734</b>	<b>46,476,969</b>	<b>9,044,236</b>	<b>19.46%</b>
<b>Total Net Non-Operations</b>	<b>(91,918,051)</b>	<b>(4,587,524)</b>	<b>(37,432,734)</b>	<b>(46,476,969)</b>	<b>9,044,236</b>	<b>19.46%</b>
<b>EXCESS (DEFICIENCY) OF TOTAL REVENUE OVER TOTAL REQUIREMENTS</b>	<b>(69,631,801)</b>	<b>(4,201,112)</b>	<b>(6,617,365)</b>	<b>(21,612,055)</b>	<b>14,994,690</b>	<b>69.38%</b>
<b>ENDING FUND BALANCE</b>	<b>19,527,902</b>		<b>82,511,169</b>	<b>67,516,479</b>	<b>14,994,690</b>	<b>22.21%</b>
<b>Reserves</b>						
Reserved Bond Proceeds			18,000,000	18,000,000		
90 Day Operational Contingency	7,498,183		7,498,183	7,498,183		
Non-Operational Contingency	9,500,000		9,500,000	9,500,000		
<b>Reserves Total</b>	<b>16,998,183</b>		<b>34,998,183</b>	<b>34,998,183</b>		
<b>AVAILABLE FUND BALANCE</b>	<b>2,529,719</b>		<b>47,512,986</b>	<b>32,518,296</b>	<b>14,994,690</b>	<b>46.11%</b>

City of Georgetown, Texas  
Utility System Advisory Board  
January 10, 2020

**SUBJECT:**

Electric Utility Update -- Daniel Bethapudi, Electric General Manager

**ITEM SUMMARY:**

**FINANCIAL IMPACT:**

.

**SUBMITTED BY:**

Daniel Bethapudi, Electric General Manager

City of Georgetown, Texas  
Utility System Advisory Board  
January 10, 2020

**SUBJECT:**

Water Utility Update -- Glenn W. Dishong, Water Utilities Director

**ITEM SUMMARY:**

**FINANCIAL IMPACT:**

.

**SUBMITTED BY:**

Glenn W. Dishong, Water Utilities Director



City of Georgetown, Texas  
Utility System Advisory Board  
January 10, 2020

**SUBJECT:**

Review and possible action to approve the minutes from the regular GUS Board meeting held on November 8, 2019 and the regular GUS Board meeting scheduled for December 13, 2019. - Sheila K. Mitchell, GUS Board Liaison

**ITEM SUMMARY:**

Board to review, revise and/or approve the minutes from the regular GUS Board meeting held on November 8, 2019 and the regular GUS Board meeting scheduled for December 13, 2019.

**FINANCIAL IMPACT:**

N/A

**SUBMITTED BY:**

Sheila K. Mitchell/GUS Board Liaison

**ATTACHMENTS:**

Description		Type
☐	GUS November 8 2019 DRAFT Minutes	Backup Material
☐	GUS December 13 2019 DRAFT Minutes	Backup Material

**Minutes of the Meeting of the  
Georgetown Utility Systems Advisory Board and the  
Governing Body of the City of Georgetown, Texas  
November 8, 2019 at 2:00PM  
at Georgetown Municipal Complex, 300-1 Industrial Avenue, Georgetown, TX**

The City of Georgetown is committed to compliance with the Americans with Disabilities Act (ADA). If you require assistance in participation at a public meeting due to a disability, as defined under the ADA, reasonable assistance, adaptations, or accommodations will be provided upon request. Please contact the City Secretary's Office, at least three (3) days prior to the scheduled meeting date, at (512) 930-3652 or City Hall at 808 Martin Luther King, Jr. Street, Georgetown, TX 78626 for additional information: TTY users route through Relay Texas at 711.

**Board Members Present:** Ed Pastor – Chair, John Copelan – Vice Chair, Edward Wiley – Secretary, Mike Cunningham, Steve Fought (Arrived at 2:01pm)

**Board Members Absent:** Arthur Yaeger

**Staff Members Present:** Daniel Bethapudi, Glenn Dishong, Wesley Wright, Leticia Zavala, Mike Maldonado, James Foutz, Laurie Brewer, Sheila Mitchell, David Morgan (arrived at 2:01pm), Chelsea Solomon (arrived at 2:03pm)

**Others Present:** Allan Woelke/CDM

### **Regular Session**

(This Regular Session may, at any time, be recessed to convene an Executive Session for any purpose authorized by the Open Meetings Act, Texas Government Code 551.)

**A. Call to Order – Called to order by Chair at 2:00p.m.**

The Board may, at any time, recess the Regular Session to convene an Executive Session at the request of the Chair, a Board Member, the City Manager, Assistant City Manager, General Manager of Utilities, City Council Member, or legal counsel for any purpose authorized by the Open Meetings Act, Texas Government Code Chapter 551, and are subject to action in the Regular Session that follows.

**B. Introduction of Visitors**  
– Allan Woelke, CDM Smith

Employee Recognition –  
-- None submitted at time of posting

**C. November 2019 GUS CIP Project Updates and October Council Actions – Wesley Wright, P.E., Systems Engineering Director/Michael Hallmark, CIP Manager**  
Wright noted reports in packets, gave brief updates on each. No questions.

**D. Electric Utility Update – Daniel Bethapudi, Electric General Manager**  
Bethapudi gave update on hot weather nearing end. They are working on the QSE Contract. Cunningham asked and Bethapudi responded his primary objective is for the electric fund to be balanced and to provide reliable service at competitive rates. Morgan stated we plan to sell debt this spring. Morgan noted updates on board structure and Council directive; continuing to work through process. Possible update at next meeting.

**E. Water Utility Update – Glenn W. Dishong, Water Utilities Director**  
Dishong spoke on new information/format regarding these updates. He touched on regulatory updates: Lt. Governor issued a charge to the Senate to look at water topics, groundwater, etc.; broad charge, no specific details as of yet. City held first Water Summit last month and had a nice turn out. Pastor commended staff on Summit, Woelke on his presentation, great information was presented. We plan to hold an Annual Summit. Dishong gave brief update on attending the Bell County Water Symposium. New Braunfels Utilities broke ground on an Aquifer Storage and Recovery Program; there are not a lot of examples of use in Texas. Cunningham stated been doing in El Paso for a long

time, with some discussion following. TCEQ approved permit renewal of Pecan Branch; there were some concerns from people regarding our discharge. Have been working on resolving an inspection issue at San Gabriel Plant. Water Financials will be presented at future meeting. Zavala commented on customer growth and provided current customer counts; 77% come in on AMI system. Internal reorganization now has Metering Services under Customer Care Department, effective October 1<sup>st</sup>. Maldonado is Metering Services Manager. Transitioning Administrative support into Customer Care. We are working on plans for building remodel which will change reception and utility cashier areas at front of building and provide more secure areas for employees; to be approved by Council. Gave update on UMAX Project. Billing accuracy is over 99% accurate; 1% to clean up from system designs. Overall process is much better than when released a year ago. Copelan asked and Zavala responded regarding his question if AquaAlert would be mandatory to customers. Western District meters are being integrated over time. Dishong spoke about winter production levels, down from peak of summer. Round Rock Interconnect not in use now due to low production. Stillhouse Lake transferring water to Georgetown. Dishong gave some updates on staffing due to reorganization. We issued 367 meters in October. Need to look at when plant capacity is being brought online; if increases are still the norm? Dishong noted Electric staff housed at Westside Service Center will be moving back to the GMC building and Water staff at GMC will be moving out to Westside, along with himself. We will try the new arrangement and see how things work. Piloting new membranes for Lake Water Treatment Plant, as parts are no longer available due to age. Copelan asked and Dishong responded about goals for amount of water each resident can use; focusing on new lots to meet goals not necessarily expecting current users to make all the changes. Morgan spoke on new housing starts and growth as a response to Copelan's concerns about water resources and conservation. Cunningham commented and Morgan spoke on bond issues. Dishong asked for feedback on information/format presented today and Board feels information is appropriate and informative.

## Legislative Regular Agenda.

The Board will individually consider and possibly take action on any or all of the following items:

### F. Public Wishing to Address the Board

On a subject that **is posted on this agenda**: Please fill out a speaker registration form which can be found on the table at the entrance to the Board Meeting. Clearly print your name and the letter of the item on which you wish to speak and present it to the Staff Liaison, **prior to the start of the meeting**. You will be called forward to speak when the Board considers that item. Only persons who have delivered the speaker form **prior** to the meeting being called to order may speak.

On a **subject not posted on the agenda**: Persons may add an item to a future Regular scheduled Board agenda by filing a written request with the Staff Liaison **no later than one week prior to the Board meeting**. The request must include the speaker's name and the specific topic to be addressed with sufficient information to inform the board and the public. **Only those persons who have submitted a timely request will be allowed to speak**. For Board Liaison contact information, please logon to <https://government.georgetown.org/georgetown-utility-system-advisory-board-gus/>.

- No persons signed up to address the board.

### G. Review and possible action to approve the minutes from the Regular GUS Board meeting held on October 11, 2019. – Sheila K. Mitchell, GUS Board Liaison

Minutes were considered for approval. No questions or revisions. **Motion by Copelan, seconded by Pastor** to approve the minutes from the Regular GUS Board meeting held on October 11, 2019.  
**Approved 5-0-1 (Yaeger absent)**

### H. Consideration and possible recommendation to approve a Second Renewal with Wesco Distribution, Inc. to provide Honeywell electric meters and related items for the Advanced Metering Infrastructure system in an amount not to exceed \$420,000. – Mike Maldonado, Metering Manager/Leticia Zavala, Customer Care Director

Maldonado presented item stating our meters are purchased from Wesco. This was a 2017 contract with (4) 1 year renewal options and he gave update on May council approval. Staff would like to wave limit and accept new pricing. Cunningham asked where Wesco/Honeywell products are manufactured and Dishong provided background history of Honeywell, Elster, etc. to update board.

Dishong commented on former lead time delays, etc. Cunningham asked and Zavala responded on how costs/bills will be impacted for customers. Morgan spoke about future plans for handling high demand times. **Motion by Wiley, seconded by Cunningham** to approve a Second Renewal with Wesco Distribution, Inc. to provide Honeywell electric meters and related items for the Advanced Metering Infrastructure system in an amount not to exceed \$420,000. **Approved 5-0-1 (Yaeger absent)**

- I. Consideration and possible recommendation to execute Task Order No. CDM-19-006-TO with CDM Smith, Inc. and to execute an Inter-local Agreement between the City of Georgetown and the Brazos River Authority for the sharing of costs of an Aquifer Storage and Recovery (ASR) Assessment Project in the amount of \$165,000.00. – Glenn W. Dishong, Water Utilities Director  
Dishong presented item, noting there were two contracts presented for consideration. Task Order CDM-19-006 carries out identifying a location suitable for ASR project. Gave additional details; possible location eastern Williamson County. Cunningham feels it is coming so should get on board with this process and prepare. Wiley asked and Dishong responded there is currently no control in Williamson County; possibility for a groundwater conservation district. Some further discussion. **Motion by Wiley, seconded by Cunningham** to execute Task Order No. CDM-19-006-TO with CDM Smith, Inc. and to execute an Inter-local Agreement between the City of Georgetown and the Brazos River Authority for the sharing of costs of an Aquifer Storage and Recovery (ASR) Assessment Project in the amount of \$165,000.00. **Approved 5-0-1 (Yaeger absent)**
- J. Consideration and possible recommendation to approve Task Order CDM-20-001-TO with CDM Smith, Inc., for American Water Infrastructure Act Risk and Resilience Evaluation in the amount of \$150,000.00. – Glenn W. Dishong, Water Utilities Director  
Dishong explained the law now requires every utility of a certain size to take on a risk and resilience evaluation to determine weaknesses and improvements for less risk. A Vulnerability assessment, for malevolent acts, was done after 9-11; this evaluation will be much broader. Woelke provided additional details noting requirements due to EPA by March 2020 and follow ups within 6 months. **Motion by Cunningham, seconded by Wiley** to approve Task Order CDM-20-001-TO with CDM Smith, Inc., for American Water Infrastructure Act Risk and Resilience Evaluation in the amount of \$150,000.00. **Approved 5-0-1 (Yaeger absent)**

## Adjournment

**Motion by Fought, seconded by Copelan to adjourn. Meeting adjourned at 2:54PM**

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Ed Pastor – Chair

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Ed Wiley – Secretary

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Sheila K. Mitchell, GUS Board Liaison

**Minutes of the Meeting of the  
Georgetown Utility Systems Advisory Board and the  
Governing Body of the City of Georgetown, Texas  
December 13, 2019 at 2:00PM  
at Georgetown Municipal Complex, 300-1 Industrial Avenue, Georgetown, TX**

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**No items were submitted for the December meeting, therefore, the  
December 13, 2019 meeting was cancelled.**

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Ed Pastor – Board Chair

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Edward Wiley – Secretary

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Sheila K. Mitchell, GUS Board Liaison

City of Georgetown, Texas  
Utility System Advisory Board  
January 10, 2020

**SUBJECT:**

Consideration and possible recommendation to approve the contract with Environmental Improvements, Inc. for purchase and install of chemical storage tank, in the amount of \$54,200.65 – Mike Welch, Plant Operations Superintendent/Glenn W. Dishong, Water Utilities Director

**ITEM SUMMARY:**

The purpose of this purchase is to provide a turnkey replacement of a bulk bleach tank. Several tank, chemical, and engineering and construction companies were contacted. Only EI2 could provide the tank and installation services within the maximum acceptable time frame.

Around the first of October a leak was detected in one of two sodium hypochlorite (bleach) tanks at the Lake Water Treatment Plant, which was taken out of service, greatly increasing difficulty in maintaining supply and application, and thereby decreasing the maximum water production for the plant. A full replacement must be accomplished before spring demand increases.

**SPECIAL CONSIDERATIONS:**

The tank has already been replaced.

**STAFF RECOMMENDATION:**

Staff recommends awarding Environmental Improvements, Inc. \$51,446.00 for parts and services rendered.

**FINANCIAL IMPACT:**

Funds for this additional expenditure will impact the Water Services Budget.

<u>Fund</u>		<u>Actual</u>	<u>Budget</u>
660-5-0529-52-165	Plant Upgrade	\$51,446.00	\$350,000.00

**SUBMITTED BY:**

Mike Welch, Plant Operations Superintendent (skm)

**ATTACHMENTS:**

<b>Description</b>	<b>Type</b>
□ New Bleach Tank - EI2 - 2019 Quote	Backup Material

environmental **EI<sup>2</sup>**  
improvements inc.

Quotation

P.O. Box 70  
Buda, TX 78610  
512/295-3733  
Fax: 512/295-4028

October 3, 2019

To: City of Georgetown

Attn: Mike Welch

PROJECT: Lake Georgetown WTP Sodium Hypochlorite Storage tank replacement

Environmental Improvements, Inc. is pleased to offer the following quotation, to remove existing leaking Sodium Hypochlorite tank and replace with a brand-new tank.

The Scope of work will include whole system inspection, replace piping to the tank fill and replace outlet and flex connection. (See the following for more detail)

**Scope of Work to be performed**

**One PolyProcessing Bulk Storage Tank**

- 12- diameter 17-1' tall Vertical tank
- Insulation
- Vent piping
- Bulk head for transducer (reuse existing Level transducer)
- Galvanized Restrain system
- 4" butterfly valve with EPDM gaskets
- Overflow fittings
- Remove existent tank
- Install new tank
- Replace fill piping
- Replace small portion of discharge piping
- Remove and re-install existing ladder
- Install new flexible fitting
- Inspect concrete prior to re installation

**Price includes the following**

- Tank
- 3 days Field Service
- Travel expenses
- Crane

Price for equipment and service described above in this proposal \$54,200.65

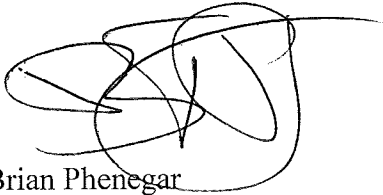
**Exceptions and comments**

Environmental Improvements will perform the installation as per the manufacturer's recommendations. If any electrical work is required that City will provide an electrician to complete that portion.

Any additional repairs required for system integrity that falls outside the scope of work described in the proposal will be discussed with the proper facility personnel and agreed upon in writing prior to any work performed.

During the process of the install, should the EI<sup>2</sup> service technicians find concrete issues that require repair, the service technician will inform the proper facility personnel of the issue and discuss proper corrective measures.

Thank you for the opportunity to offer our services,

A handwritten signature in black ink, appearing to read 'Brian Phenegar', written over a circular stamp or seal.

Brian Phenegar  
Vice President



City of Georgetown, Texas  
Utility System Advisory Board  
January 10, 2020

**SUBJECT:**

Consideration and possible recommendation to approve renewal #2 of contract 17-054-SC with Elk Ridge Construction, LLC (Water & Wastewater Treatment Plants) in the amount of \$53,139.90 - Mike Welch, Plant Operations Superintendent/Glenn W. Dishong, Water Utilities Director

**ITEM SUMMARY:**

City Council approved contracting mowing services with Elk Ridge Construction, LLC, with a provision for up to three (3) annual renewals. The Original Agreement was renewed on October 9, 2018 for a first renewal period ending on September 30, 2019. The mowing services will include 4 Water Treatment Facilities, 5 Wastewater Treatment Facilities, and 4 Water Wells. Contracted mowing is to occur on a monthly basis and a list of these areas are attached.

Elk Ridge has performed well for the city or two years and staff recommends continuing services with this vendor.

**STAFF RECOMMENDATION:**

Staff recommends approval of renewal #2 of contract 17-054-SC with Elk Ridge Construction, LLC (Water & Wastewater Treatment Plants) in the amount of \$53,139.90.

**FINANCIAL IMPACT:**

Funds for this expenditure are budgeted in the Water/Wastewater landscape maintenance fund:

	<u>Fund</u>	<u>Actual</u>	<u>Budget</u>
660-5-0529-51-525	Mowing Contract	\$31,000.00	\$31,000.00
660-5-0531-51-509	Maintenance-Landscape	\$22,000.00	\$22,000.00

**SUBMITTED BY:**

Mike Welch, Plant Operations Superintendent/Glenn W. Dishong, Water Utilities Director

**ATTACHMENTS:**

<b>Description</b>	<b>Type</b>
□ Renewal #2 with Location List	Backup Material

**Renewal No. 2  
to the Agreement between  
Elk Ridge Construction, LLC.  
and the  
City of Georgetown, Texas**

This Renewal Agreement is entered into by and between **CITY OF GEORGETOWN**, a Texas Home-Rule Municipal Corporation (the “City”), and **ELK RIDGE CONSTRUCTION, LLC.** (the “Contractor”), collectively the “**Parties**”, as follows:

**WHEREAS**, the Parties entered into an Agreement on May 1, 2017 for Landscaping, Grounds Maintenance and Right-of-Way Mowing Services for Water and Wastewater Treatment Facilities (the “Services”), Contract No. 17-054-SC, (the “Original Agreement”),

**WHEREAS**, the Original Agreement provided an initial term of eighteen months (18) months and provided for three (3) additional one (1) year renewal terms,

**WHEREAS**, the Original Agreement was amended on September 15, 2017 to include additional locations to the Services,

**WHEREAS**, the Original Agreement was renewed on October 9, 2018 for a first renewal period ending on September 30, 2019,

**WHEREAS**, the Parties wish to renew the Original Agreement for a Second Renewal Term,

**WHEREAS**, the Parties hereby agree to renew the Original Agreement in accordance with the terms of the Original Agreement as well as any terms provided herein,

**NOW THEREFORE**, in consideration of the mutual covenants contained herein, the Parties agree as follows:

1. The Parties agree to renew the Original Agreement for an additional term, which will begin immediately upon the expiration of the first renewal term and will end on September 30, 2020, this being the Second Renewal Term.
2. During the Second Renewal Term, the not to exceed amount shall be fifty-three thousand one hundred thirty-nine dollars and ninety cents (\$53,139.90) as set forth in **Exhibit A** to this Second Renewal.
3. This Second Renewal term binds and benefits the Parties and their successors or assigns. This document, including and incorporating the Original Agreement as amended and the First Renewal, is the entire agreement between the Parties.
4. All other terms and conditions of the Original Agreement remain in full force and effect.
5. This Second Renewal is effective on the date executed by the City.

**ELK RIDGE CONSTRUCTION, LLC.**

**CITY OF GEORGETOWN**

By: \_\_\_\_\_

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

ATTEST:

\_\_\_\_\_

Robyn Densmore, City Secretary

APPROVED AS TO FORM:

\_\_\_\_\_

James Kachelmeyer, Assistant City Attorney

**EXHIBIT A - RENEWAL NO. 2**

Attachement F - Water &amp; Wastewater Treatment Facilities Schedule &amp; Bid Form

**Water Treatment Plants:**

1. Park WTP
2. Lake WTP
3. Domel
4. Soutside WTP

**Wastewater Treatment Plants:**

1. San Gabriel WWTP
2. Dove Spring WWTP
3. Pecan Brand WWTP
4. Cimmaron Hills WWTP
5. Berry Creek WWTP

**Wells - added 9/15/2017**

6. Well 1
7. Well 2
8. Well 5
9. Well 9

ALL Water and Wastewater Treatment Plants - 9 facilities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Frequency	Unit Cost	Estimated Acreage	# of Locations	Annual Cost
Lawn Mowing	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	48.87		\$ 30,788.10
Lawn Pest Control			1	1	1	1	1	1	1	1	1		9	\$ -			\$ -
Lawn Post-Emergent			1	1	1	1	1	1	1	1	1		9	\$ -			\$ -
Granular Fire Ant Preventative			1	1	1	1	1	1	1	1	1		9	\$ 10.00		9	\$ 810.00
Walkaway and Curb Edging	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 50.00		9	\$ 9,450.00
Tree Trimming		1											1	\$ 90.00	48.87		\$ 4,398.30
Shrub Trimming					1						1		2	\$ 25.00	48.87		\$ 2,443.50
Clean UP - Trash, Debris	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 10.00		9	\$ 1,890.00

\$ 49,779.90

Wells - Added -2017	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Frequency	Unit Cost	Estimated Acreage	# of Locations	Annual Cost
Lawn Mowing	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 40.00	\$ 0.05	4	\$ 3,360.00

\$ 3,360.00

Total Annual Cost \$ 53,139.90

City of Georgetown, Texas  
Utility System Advisory Board  
January 10, 2020

**SUBJECT:**

Consideration and possible recommendation to approve amendment #1 and renewal #2 of contract 18-0017-SC with Elk Ridge Construction, LLC (Water & Wastewater Collection and Distribution Stations) in the amount of \$67,767.41 per year - David Thomison, Water Services Manager/Glenn W. Dishong, Water Utilities Director

**ITEM SUMMARY:**

On April 25, 2017 City Council approved contracting mowing services with Elk Ridge Construction, LLC. On October 10, 2017, Council approve a one (1) year contract with a provision for up to three (3) annual renewals. This contract is for the second annual renewal of a four year contract agreement with Elk Ridge Construction, LLC. The mowing services will include 35 Wastewater Collection system facilities and 31 Water Distribution system facilities. Contracted mowing is to occur on a monthly basis and a list of these areas are attached.

This years renewal has increased \$4,752.49 from last year's services due to additional facilities added in the system.

Elk Ridge has done an exceptionally good job for the City this past contract year and Staff would like to continue services with this vendor.

**STAFF RECOMMENDATION:**

Staff recommends approval of amendment #1 and renewal #2 of contract 18-0017-SC for the 2017 water/wastewater collection and distribution mowing contract with Elk Ridge Construction, LLC in the amount not to exceed \$67,767.41.

**FINANCIAL IMPACT:**

Funds for this expenditure are budgeted in the Water/Wastewater landscape maintenance fund:

	<u>Fund</u>	<u>Actual</u>	<u>Budget</u>
660-5-0528-51-509	Maintenance-Landscape	\$65,000.00	\$65,000.00
660-5-0530-51-509	Maintenance-Landscape	\$55,000.00	\$55,000.00

**SUBMITTED BY:**

David Thomison / Glenn Dishong

**ATTACHMENTS:**

<b>Description</b>	<b>Type</b>
❏ Renewal #2 with Location List	Backup Material

**Amendment No. 1 and Renewal No. 2  
to the Agreement between  
Elk Ridge Construction, LLC  
and the  
City of Georgetown, Texas**

This is the First Amendment and Second Renewal (“Amendment and Renewal”) of the Agreement, Contract No. 18-0017-SC, (the “Original Agreement”) between the City of Georgetown, Texas and Elk Ridge Construction, LLC, collectively (the “Parties”), entered into on November 21, 2017,

WHEREAS, on November 21, 2017, the Parties entered into the Original Agreement for Mowing Services for the Water and Wastewater Collection/Distribution Stations (the “Services”);

WHEREAS, the Original Agreement included three one-year renewal periods and the Parties renewed the Original Agreement for a First Renewal Term on November 1, 2018;

WHEREAS, the Parties wish to renew the Original Agreement for a Second Renewal and establish the prices for Services during the Second Renewal Term beginning November 21, 2019;

WHEREAS, the Parties wish to amend the Original Agreement to include additional locations, this being the First Amendment;

NOW THEREFORE, in consideration for the mutual benefits to be derived by the Parties from this Amendment and Renewal and other good and valuable consideration, the City of Georgetown, Texas and Elk Ridge Construction, LLC agree as follows:

1. The Parties agree to renew the Original Agreement for a Second Renewal term which will begin immediately upon the expiration of the current term and will end on November 20, 2020.
2. The Parties agree to amend the Original Agreement to include additional locations show in **Exhibit A**, attached hereto.
3. During the Second Renewal Term, the prices shown in **Exhibit A**, attached hereto, shall apply to the mowing services for the water and wastewater collection/distribution stations.
4. During the Second Renewal Term, the not to exceed amount shall be \$67,767.41.
5. All other terms of the Original Agreement not inconsistent with this Amendment and Renewal shall apply. Except as expressly modified by this Amendment and Renewal, the Original Agreement remains unchanged and in full force and effect, subject to its terms.
6. This Amendment and Renewal is effective on the date executed by the City.

*[Signature page to follow]*

BY THE SIGNATURES affixed below, this Amendment and Renewal are hereby incorporated into and made a part of the above-referenced Original Agreement.

**ELK RIDGE CONSTRUCTION, LLC**

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**CITY OF GEORGETOWN**

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**ATTEST:**

\_\_\_\_\_  
Robyn Densmore, City Secretary

**APPROVED AS TO FORM:**

\_\_\_\_\_  
James Kachelmeyer, Assistant City Attorney

EXHIBIT A  
Water and Wastewater Collection & Distribution Station  
Contract 18-0017-SC Renewal 2 - Elk Ridge  
11/21/19 - 11/20/20

LIFT STATIONS

ACM LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
877 Westinghouse Rd															Acreage	Annual Cost	Annual Cost		Revised	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.032	\$ 630.00	\$ 630.00	1.05	\$ 31.35	\$ 658.42
Airport	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
2038 Airport Rd															Acreage	Annual Cost	Annual Cost		Revised	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 46.00	0.54	\$ 960.00	\$ 966.00	1.05	\$ 48.08	\$ 1,009.58
Berry Creek LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
7551 Airport Rd															Acreage	Annual Cost	Annual Cost		Revised	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.21	\$ 630.00	\$ 630.00	1.05	\$ 31.35	\$ 658.42
Blue Hole LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
500 Blue Hole Park Rd															Acreage	Annual Cost	Annual Cost		Revised	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.014	\$ 630.00	\$ 630.00	1.05	\$ 31.35	\$ 658.42



Brushy Creek Meter	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
3701 W SH 29															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 40.00	0.037	\$ 840.00	\$ 840.00	1.05	\$ 41.80	\$ 877.90
Cimarron Hills LS #1	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
102 Green Leaf Ln															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.049	\$ 630.00	\$ 630.00	1.05	\$ 31.35	\$ 376.24
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12							
Cimarron Hills LS #2	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
801 W Cimarron Hills Trl															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 35.00	0.054	\$ 735.00	\$ 735.00	1.05	\$ 36.58	\$ 438.95
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12							
Cimarron Hills Raw Water Meter 1	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
8701 W SH 29															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.021	\$ 630.00	\$ 630.00	1.05	\$ 31.35	\$ 658.42
Country Club LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
1312 Country Club Rd															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.016	\$ 630.00	\$ 630.00	1.05	\$ 31.35	\$ 376.24
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12							

Crystal Knoll LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
76 CR 152															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 46.00	0.14	\$ 960.00	\$ 966.00	1.05	\$ 48.08	\$ 1,009.58
Daniels 1	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
3280 CR 255															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 475.00	1.9	\$ 9,975.00	\$ 9,975.00	1.05	\$ 496.43	\$ 10,425.03
Ft. Cobb Way Firebreak	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
356 Ft Cobb															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	12	\$ 50.00		\$ -	\$ 600.00	1.01	\$ 50.68	\$ 608.12
Gatlin Creek	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
2109 Limestone Lake Dr.															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 45.00		\$ -	\$ 945.00	1.01	\$ 45.61	\$ 547.31
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12							
Gatlin Crossing LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
3822 Maple St															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 74.00	0.22	\$ -	\$ 1,554.00		\$ 70.00	\$ 840.00
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12	\$ 70.00						
GT Meadows LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
3698 SH 130															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.064	\$ 630.00	\$ 630.00	1.05	\$ 31.35	\$ 376.24
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12							
Highlands at Mayfield LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
3870 Arterial H															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 40.00	0.03	\$ 840.00	\$ 840.00	1.05	\$ 41.80	\$ 501.66
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12	\$ 45.00						
Indian Creek LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1		Renewal 2	Renewal 2

50111 Paleface Dr															Acreage	Annual Cost	Annual Cost	CPI	Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.00088	\$ 630.00	\$ 630.00	1.05	\$ 31.35	\$ 376.24
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12							
Intercetor LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
25 Waters Edge Cir															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.043	\$ 630.00	\$ 630.00	1.05	\$ 31.35	\$ 658.42
Katy Crossing LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
261 Claris Ln															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.017	\$ 630.00	\$ 630.00	1.05	\$ 31.35	\$ 658.42
Lakeside LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
4852 Williams Dr															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.036	\$ 630.00	\$ 630.00	1.05	\$ 31.35	\$ 376.24
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12	\$ 35.00						
Lakeside #2	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
928 Cedar Lake Blvd															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 45.00		\$ -	\$ 945.00	1.05	\$ 47.03	\$ 564.36
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12	\$ 60.00						
Mayfield Ranch LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
1577 Cr 176															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 45.00	0.13	\$ 940.00	\$ 945.00	1.05	\$ 47.03	\$ 564.36
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12							
Northlake PS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
6498 RM 2338															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 35.00	0.062	\$ 735.00	\$ 735.00	1.05	\$ 36.58	\$ 768.16

Oaks at San Gabriel	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
10621 Vista Heights Dr.															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.2	\$ 630.00	\$ 630.00	1.05	\$ 31.35	\$ 376.24
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12	\$ 40.00						

Parks LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
211 Chamber Way															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.017	\$ 630.00	\$ 630.00	1.05	\$ 31.35	\$ 658.42

Park Reclaim	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
335 E Morrow St															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 35.00	0.36	\$ 735.00	\$ 735.00	1.05	\$ 36.58	\$ 768.16

Pleasant Valley LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
2909 Sunrise Valley Ln															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 35.00	0.021	\$ 730.00	\$ 735.00	1.05	\$ 36.58	\$ 768.16

Rabbit Hill EST	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
1021 Westinghouse Rd															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 82.50	1.1	\$ 1,732.50	\$ 1,732.50	1.05	\$ 86.22	\$ 1,810.66

Rabbit Hill PS GS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
980 Rabbit Hill Rd															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 35.00	0.38	\$ 735.00	\$ 735.00	1.05	\$ 36.58	\$ 768.16

Rail Road LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
710 W 15th St															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.008	\$ 630.00	\$ 630.00	1.05	\$ 31.35	\$ 376.24
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12							

River Rd LS #1 and #2	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
145 River Road															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost

Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 35.00	0.012	\$ 735.00	\$ 735.00	1.05	\$ 36.58	\$ 438.95
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12							
River Vista	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated Acreage	Original Annual Cost	Renewal 1 Annual Cost	CPI	Renewal 2 Revised Unit Cost	Renewal 2 Annual Cost
Mowing Services																			\$ 35.00	\$ 420.00
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12	\$ 35.00						
Rosedale Lot	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated Acreage	Original Annual Cost	Renewal 1 Annual Cost	CPI	Renewal 2 Revised Unit Cost	Renewal 2 Annual Cost
510 Rosedale																				
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	12	\$ 65.00		\$ -			\$ 65.00	\$ 780.00
Saddle Creek Lift Station	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated Acreage	Original Annual Cost	Renewal 1 Annual Cost	CPI	Renewal 2 Revised Unit Cost	Renewal 2 Annual Cost
3892 SH 130 Toll																				
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 65.00	0.45	\$ 780.00	\$ 1,365.00	1.05	\$ 67.93	\$ 1,426.58
San Gabriel Way/Rivers Edge	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated Acreage	Original Annual Cost	Renewal 1 Annual Cost	CPI	Renewal 2 Revised Unit Cost	Renewal 2 Annual Cost
500 San Gabriel River Rd																				
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 40.00		\$ -			\$ 40.00	\$ 480.00
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12							
Scenic LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated Acreage	Original Annual Cost	Renewal 1 Annual Cost	CPI	Renewal 2 Revised Unit Cost	Renewal 2 Annual Cost
700 Scenic Dr.																				
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.0098	\$ 630.00	\$ 630.00	1.05	\$ 31.35	\$ 376.24
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12							
Serenada	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated Acreage	Original Annual Cost	Renewal 1 Annual Cost	CPI	Renewal 2 Revised Unit Cost	Renewal 2 Annual Cost
1013 Shinnecock Hills Dr.																				
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 40.00		\$ -	\$ 840.00	1.01	\$ 40.54	\$ 486.50
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12							
Smith Branch LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated Acreage	Original Annual Cost	Renewal 1 Annual Cost	CPI	Renewal 2 Revised Unit Cost	Renewal 2 Annual Cost
2201 E University Ave																				

Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 65.00	0.23	\$ 735.00	\$ 1,365.00	1.05	\$ 67.93	\$ 1,426.58
Southwestern LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
698 Smith Creek Rd															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.17	\$ 630.00	\$ 630.00	1.05	\$ 31.35	\$ 658.42
Stonehenge LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
50002 Paleface Dr															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.11	\$ 630.00	\$ 630.00	1.05	\$ 31.35	\$ 658.42
Stonewall PSLS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
223 Drystone Trl															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 71.50	1.1	\$ 1,501.50	\$ 1,501.50	1.05	\$ 74.73	\$ 1,569.24
Sun City EST	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
451 Sun City Blvd															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 50.00	0.98	\$ 1,050.00	\$ 1,050.00	1.05	\$ 52.26	\$ 1,097.37
Sun City LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
155 Stetson Trl															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 40.00	0.35	\$ 840.00	\$ 840.00	1.05	\$ 41.80	\$ 877.90
Sunny Trail LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
20089 sunny Trail Dr															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 35.00	0.054	\$ 735.00	\$ 735.00	1.05	\$ 36.58	\$ 438.95
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12							
Terravista LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
2900 FM 1460															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.097	\$ 630.00	\$ 630.00		\$ 55.00	\$ 660.00
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12	\$ 55.00	addtl acreage added					

Westinghouse LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
7503 S IH 35															Acreage	Annual Cost	Annual Cost		Revised	Annual Cost
																		Unit Cost		
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.044	\$ 730.00	\$ 630.00	1.05	\$ 31.35	\$ 658.42
Westinghouse #2	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
5401 N. Mays St.															Acreage	Annual Cost	Annual Cost		Revised	Annual Cost
																		Unit Cost		
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 55.00	0.044		\$ 1,155.00	1.01	\$ 55.74	\$ 668.93
R2 Revised Schedule	1	1	1	1	1	1	1	1	1	1	1	1	12							
Wolf Ranch LS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
1610 S IH 35															Acreage	Annual Cost	Annual Cost		Revised	Annual Cost
																		Unit Cost		
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.0015	\$ 630.00	\$ 630.00	1.05	\$ 31.35	\$ 658.42

LIFT STATION SUBTOTAL

\$ 38,994.00

\$ 46,170.00

\$ 43,293.75

PUMP STATIONS & ELEVATED STORAGE TANKS (EST)

Andice PS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
6533 FM 970															Acreage	Annual Cost	Annual Cost		Revised	Annual Cost
																		Unit Cost		
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 60.00	0.0028	\$ 1,260.00	\$ 1,260.00	1.05	\$ 62.71	\$ 1,316.85
Braun EST	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
9550 W SH 29															Acreage	Annual Cost	Annual Cost		Revised	Annual Cost
																		Unit Cost		
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 91.50	1.1	\$ 1,501.50	\$ 1,921.50		\$ 130.00	\$ 2,730.00
R2 Revised Acreage/Cost														\$ 130.00	addt'l acreage added					

Carriage Oaks EST	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
1751 CR 200															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 52.00	0.52	\$ 1,092.00	\$ 1,092.00	1.05	\$ 54.35	\$ 1,141.27
Cedar Breaks EST	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
807 Cedar Breaks Rd															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 92.15	0.57	\$ -	\$ 1,935.15	1.01	\$ 93.40	\$ 1,961.33
Central EST	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
202 W Central Dr															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 30.00	0.33	\$ 630.00	\$ 630.00	1.05	\$ 31.35	\$ 658.42
Escalera EST	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
6400 RM 2243															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 35.00	0.38	\$ 735.00	\$ 735.00	1.05	\$ 36.58	\$ 768.16
Hoover OS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
2675 CR 223															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 85.50	1.1	\$ 1,732.50	\$ 1,795.50	1.05	\$ 89.36	\$ 1,876.51
Irving PS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
651 CR 143															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 50.00	1.9	\$ 1,050.00	\$ 1,050.00	1.05	\$ 52.26	\$ 1,097.37
James St EST	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
1301 James St															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 35.00	0.28	\$ 735.00	\$ 735.00	1.05	\$ 36.58	\$ 768.16
Jennings Branch EST	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated	Original	Renewal 1	CPI	Renewal 2	Renewal 2
1015 Jennings Branch Rd															Acreage	Annual Cost	Annual Cost		Revised Unit Cost	Annual Cost
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 125.00	1.5	\$ 2,625.00	\$ 2,625.00	1.05	\$ 130.64	\$ 2,743.43



Leander EST PS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated Acreage	Original Annual Cost	Renewal 1 Annual Cost	CPI	Renewal 2 Revised Unit Cost	Renewal 2 Annual Cost
2012 Leander Rd																				
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 60.00	0.91	\$ 1,243.00	\$ 1,260.00	1.05	\$ 62.71	\$ 1,316.85

Pastor PS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated Acreage	Original Annual Cost	Renewal 1 Annual Cost	CPI	Renewal 2 Revised Unit Cost	Renewal 2 Annual Cost
1716 W University Ave																				
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 40.00	0.77	\$ 840.00	\$ 840.00	1.05	\$ 41.80	\$ 877.90

RR 1869 PS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated Acreage	Original Annual Cost	Renewal 1 Annual Cost	CPI	Renewal 2 Revised Unit Cost	Renewal 2 Annual Cost
745 RM 1869																				
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 60.00	0.64	\$ 1,260.00	\$ 1,260.00	1.05	\$ 62.71	\$ 1,316.85

Schneider Well	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated Acreage	Original Annual Cost	Renewal 1 Annual Cost	CPI	Renewal 2 Revised Unit Cost	Renewal 2 Annual Cost
851 CR 142																				
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 65.00	1	\$ 1,365.00	\$ 1,365.00	1.05	\$ 67.93	\$ 1,426.58

Sequoia PS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated Acreage	Original Annual Cost	Renewal 1 Annual Cost	CPI	Renewal 2 Revised Unit Cost	Renewal 2 Annual Cost
302 W. Sequoia																				
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 110.00	2	\$ 2,310.00	\$ 2,310.00	1.05	\$ 114.96	\$ 2,414.22

Well 8	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated Acreage	Original Annual Cost	Renewal 1 Annual Cost	CPI	Renewal 2 Revised Unit Cost	Renewal 2 Annual Cost
4200 Airport Rd																				
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 47.85	0.25	\$ 1,005.00	\$ 1,004.85	1.05	\$ 50.01	\$ 1,050.19

Woods PS	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Frequency	Unit Cost	Estimated Acreage	Original Annual Cost	Renewal 1 Annual Cost	CPI	Renewal 2 Revised Unit Cost	Renewal 2 Annual Cost
6605 S Lakewood Dr																				
Mowing Services	1	1	2	2	2	2	2	2	2	2	2	1	21	\$ 46.00	0.6	\$ 960.00	\$ 966.00	1.05	\$ 48.08	\$ 1,009.58

PUMP STATION SUBTOTAL																\$ 20,344.00	\$ 22,785.00		\$ 24,473.66	
GRAND TOTAL: LIFT STATION + PUMP STATIONS																\$ 59,338.00	\$ 68,955.00		\$ 67,767.41	

City of Georgetown, Texas  
Utility System Advisory Board  
January 10, 2020

**SUBJECT:**

Consideration and possible recommendation to approve the purchase of pump repairs from WEISINGER INC. from Conroe Texas in an amount not to exceed \$173,170.00, for Fiscal Year -- David W. Thomison, Water Services Manager/Mike Welch, Plant Operations Superintendent/Glenn W. Dishong, Water Utilities Director

**ITEM SUMMARY:**

In October of this year the City Water Department had conducted a full assessment on distribution high services pumps and treatment backwash pumps along with a failure of one of the production wells. The following is a list of pump rebuilds needed before peak demand begins:

Treatment Plant Backwash Pump, Production Well #9, High Service Pump #2 and High Service Pump #4. WEISINGER INC. submitted a quotation in accordance with BuyBoard contract #589-19.

**STAFF RECOMMENDATION:**

Staff recommends the purchase of pump repairs from WEISINGER INC. in an amount not to exceed \$173,170.00.

**FINANCIAL IMPACT:**

Funds for this additional expenditure are available in the Water Services Budget.

	<u>Fund</u>	<u>Actual</u>	<u>Budget</u>
660-5-0530-51-544	Maintenance - Pumps	\$140,000.00	\$140,000.00
660-5-0529-51-544		\$40,000.00	\$40,000.00

**SUBMITTED BY:**

David W. Thomison, Water Services Manager (skm)

**ATTACHMENTS:**

	<b>Description</b>	<b>Type</b>
□	Georgetown TIR backwash (002)	Backup Material
□	Georgetown Walden Backwash Pump 2502-2	Backup Material
□	Georgetown Inspection Report_ City of Well 9_ 2019-11-25	Backup Material
□	Georgetown Well 9_ 2019-12-10 Quote	Backup Material
□	Georgetown TIR walden booster	Backup Material
□	Georgetown Walden Booster Pump 2502-1	Backup Material
□	Georgetown TIR booster DB Wood	Backup Material
□	Georgetown DB Wood Pump 1 2502-3 (003)	Backup Material

**PUMP RECEIVING REPORT**

<b>Customer:</b>	City of Georgetown	<b>Date:</b>	11/27/2019
<b>PUMP #:</b>	Walden Park Plant Backwash	<b>Job #:</b>	2502-2
<b>MOTOR DATA</b>			
<b>Manufacturer:</b>		<b>Serial #:</b>	
<b>Horsepower:</b>		<b>RPM:</b>	
<b>Frame:</b>		<b>Volts:</b>	
<b>PUMP DATA</b>			
<b>Manufacturer:</b>	Peabody-Floway	<b>Serial #:</b>	87-01243
<b>Model:</b>		<b>Design Point:</b>	
		<b>gpm @</b>	42
		<b>ft. TDH</b>	
		<b># of Stages:</b>	1





# **TIR VERTICAL TURBINE PUMP PRODUCT LUBE**

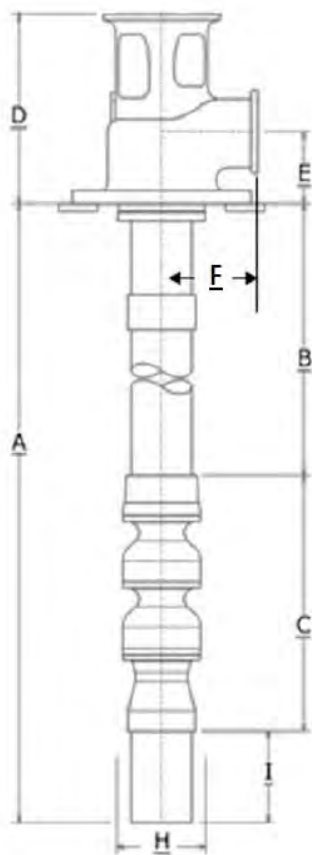
<b>Customer:</b>	City of Georgetown	<b>Date:</b>	11/27/2019
<b>Pump #</b>	Walden Park Plant Backwash	<b>Job #:</b>	2502-2

## **MOTOR DATA**

<b>TYPE:</b>		<b>Serial #:</b>		<b>Horsepower:</b>	75
<b>Frame:</b>		<b>Volts:</b>		<b>RPM:</b>	1,180

## **WELL PUMP DATA**

Manufacturer:	Peabody-Floway				Serial #:		87-01243			Model:		14 MAM 1		
Design Point:	4,200				g.p.m. @		42		ft. TDH		# of Stages:		1	
Column Size:	14"				Shaft (in.)			1 5/8"			TPL:		144"	
PUMP INSTALLATION DIMENSIONS	A	B	C	D	E	F	CD MOTOR		H	I		TPL=B+C		
	144"	120 1/2"	23 1/2"	39 1/2"	17"	12 1/8"			17 1/2"					



<b>Bowl shaft size (in):</b>	1 5/8" x 44 1/4"	<b>Pass</b>		<b>Fail</b>	X
<b>Bowl bearing size:</b>	.010 CLEARANCE	<b>Pass</b>	X	<b>Fail</b>	
<b>Suction case bearing:</b>	.011 CLEARANCE	<b>Pass</b>	X	<b>Fail</b>	
<b>Wear rings:</b>	NONE	<b>Pass</b>		<b>Fail</b>	
<b>Impeller type:</b>	OPEN	<b>Pass</b>		<b>Fail</b>	
<b>Impeller trim:</b>					
<b>Collet type:</b>	STAINLESS	<b>Pass</b>	X	<b>Fail</b>	
<b>Intermediate bowls:</b>		<b>Pass</b>		<b>Fail</b>	
<b>Discharge case:</b>	CLEAN & POLISH	<b>Pass</b>	X	<b>Fail</b>	
<b>Suction case:</b>	CLEAN & POLISH	<b>Pass</b>	X	<b>Fail</b>	
<b>Column adapter (bowl):</b>		<b>Pass</b>		<b>Fail</b>	
<b>Suction coupling/adapter:</b>		<b>Pass</b>		<b>Fail</b>	
<b>Intermediate bowl bolting:</b>	REPLACE	<b>Pass</b>		<b>Fail</b>	X
<b>Discharge case bolting:</b>	REPLACE	<b>Pass</b>		<b>Fail</b>	X
<b>Sand collar:</b>	CLEAN & POLISH	<b>Pass</b>	X	<b>Fail</b>	
<b>Bowl shaft coupling:</b>	REPLACE	<b>Pass</b>		<b>Fail</b>	X
<b>Stuffing box bearing:</b>	.010 CLEARANCE	<b>Pass</b>	X	<b>Fail</b>	
<b>Spider bearing:</b>	REPLACE	<b>Pass</b>		<b>Fail</b>	X
<b>Bearing inserts:</b>		<b>Pass</b>		<b>Fail</b>	
<b>Discharge column adapter:</b>		<b>Pass</b>		<b>Fail</b>	
<b>Discharge head type:</b>		<b>Manufacturer:</b>	PEABODY-FLOWAY		
<b>Discharge head size:</b>	14 X 14 X 20				



PO Box 2848 • Conroe, TX 77305  
936-756-7721 • 281-353-8484 • 936-756-7723 fax  
www.weisingerinc.com

## VERTICAL TURBINE PUMP INSPECTION REPORT PRODUCT LUBE

<b>Customer:</b>	City of Georgetown	<b>Date:</b>	11/27/2019
<b>Pump #</b>	Walden Park Plant Backwash	<b>Job #:</b>	2502-2

	<b>Lantern ring:</b>	WORN				Pass		Fail	X	
	<b>Packing gland &amp; screws:</b>	CORRODED				Pass		Fail	X	
	<b>Nuts for packing gland:</b>	CORRODED				Pass		Fail	X	
	<b>Stuffing box:</b>	<b>Packing:</b>	INSTALL MECHANICAL SEAL			Pass		Fail	X	
	<b>Mechanical Seal Manufacture:</b>					Pass		Fail		
	<b>Model Number:</b>									
	<b>Adapter stud &amp; nuts:</b>					Pass		Fail		
	<b>Spider Bearing:</b>					Pass		Fail		
	<b>Suction pipe:</b>	Y		N		<b>Length:</b>		Pass	Fail	
	<b>Suction strainer/type:</b>					Pass		Fail		
	<b>Column pipe: Size:</b>	14"	<b>Length:</b>	5'	<b>Quantity:</b>	1	Pass	X	Fail	
	<b>Column pipe: Size:</b>	14"	<b>Length:</b>	5'	<b>Quantity:</b>	1	Pass	X	Fail	
	<b>Line shaft TPI:</b>	10				Pass		Fail		
	<b>Line shaft: Size:</b>	1 5/8"	<b>Length:</b>	60"/82 1/8"	<b>Quantity:</b>	2	Pass		Fail	X
	J	<b>Line shaft couplings:</b>	1/ 5/8"	<b>Size:</b>		<b>Quantity:</b>	2	Pass		Fail
K	<b>Motor Shaft Size:</b>	1 1/2"	<b>Length:</b>	45"	<b>Quantity:</b>		Pass		Fail	
L	<b>Head shaft nut &amp; keyway:</b>					Pass		Fail		
BOWL DIMENSIONS	<b>Gear drive:</b>	<b>Type:</b>				Pass		Fail		
	<b>Bore size:</b>					Pass		Fail		
<b>COMMENTS:</b>										
PIPE PROJECTION WITH HANGAR FLANGE INSTALLED = 35"										
PIPE PROJECTION WITHOUT HANGAR FLANGE = 35 1/2"										
SAND COLLAR 6 3/4"										
FIRST IMPELLOR 8 1/4"										



## VERTICAL TURBINE PUMP INSPECTION REPORT

<b>Customer:</b>	CITY OF GEORGETOWN	<b>Date:</b>	11/27/2019
<b>Pump #</b>	WALDEN PARK BACKWASH	<b>Job #:</b>	2502-2

### INITIAL OBSERVATIONS:

REPLACE BOWL SHAFT  
 REPLACE LINE SHAFTS  
 REPLACE SHAFT COUPLINGS  
 REPLACE BOWL BEARINGS, SUCTION BEARING, AND STUFFING BOX BEARING REFURBISH STUFFING BOX  
 INSTALL NEW MECHANICAL SEAL PER DAVE LAVORA  
 BLAST AND COAT HEAD OD AND ID  
 BLAST AND COAT COLUMNS OD AND ID  
 REPLACE SPIDER BEARING  
 REPLACE ALL HARDWARE









Weisinger Incorporated

PO Box 2848 - Conroe, TX 77305  
936-756-7721 - 281-353-8484 - 936-756-7723 fax

**PROPOSAL**

TO: Jeff De Leon  
COMPANY: City of Georgetown  
Water Services Supervisor

DATE: 16-Dec-2019  
PROPOSAL SENT: Email  
JOB REFERENCE: Peabody-Floway 14MAM1  
Walden Park Plant - Backwash

Call or email us if you require additional information regarding this proposal.

Item No	Description	Qty	Sell Price
1	<b>Peabody-Floway 14MAM-1</b>	1	
	Repairs to 1-Stage Backwash Pumping Unit		
	Replace Pump Shaft 1 5/8" x 44 1/4		
	Replace Line Shaft 1 5/8" X 10'		
	Replace Motor Drive Shaft 1 1/2"		
	Replace Line Shaft Couplings 1 5/8"		
	Replace Bowl Bearings		
	Replace Suction Bearings		
	Replace Discharge Bearings		
	Replace 14" Column Pipe and Spider with Rubber Insert Bearings		
	Rebuild Stuffing Box.		
	Remachine Face, Fits, and Replace Bearing.		
	Reuse existing head		
	Blast and Coat Head,Bowl Assembly and Column Pipe with PPG Amerlock 2/400.		
	Misc. Hardware		
	Pump Assembly		
	Mobilize to job site		
	Perform start up		
	Per diem		
		Total:	\$34,132.00
	In lieu of rebuilding stuffing box:		
	Option 2		
	New 1.625" EV05 Cartridge Seal		
	Total with Option 1, New EV05 Cartridge Seal		\$37,225.00
	Lead time: 3-4 Weeks, Excluding Holidays.		

Shipment: F.O.B. Jobsite

Available on  
**BuyBoard®**  
Cooperative Purchasing  
BuyBoard Contract # 589-19



## VERTICAL TURBINE PUMP INSPECTION REPORT | PRODUCT LUBE

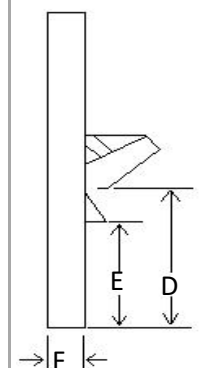
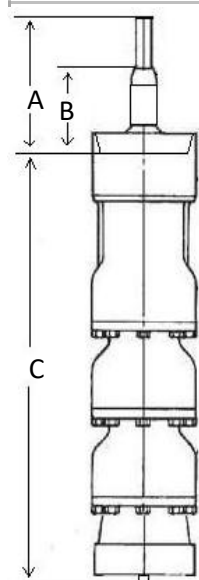
<b>Customer:</b>	City of Georgetown	<b>Date:</b>	11/25/2019
<b>Pump #</b>	Water Well No. 9	<b>Job #:</b>	

### MOTOR DATA

<b>TYPE:</b>	US	<b>Serial #:</b>		<b>Horsepower:</b>	60
<b>Frame:</b>		<b>Volts:</b>		<b>RPM:</b>	

### PUMP DATA

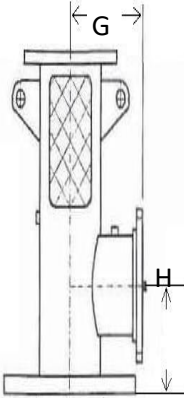
<b>Manufacturer:</b>	Flowserve	<b>Serial #:</b>	0907XGT74965	<b>Model:</b>	12ENL
<b>Design Point:</b>	1650	<b>g.p.m. @</b>	100	<b>ft. TDH</b>	<b># of Stages:</b> 2
<b>Column Size:</b>	10"	<b>Shaft (in.)</b>	1 1/4 w/ 7/16 sleeve	<b>Setting (ft):</b>	140'
<b>Projection:</b>	10"			<b>Lateral (in):</b>	5/8



<b>Bowl shaft size (in):</b>		<b>Pass</b>		<b>Fail</b>	X
<b>Bowl bearing size:</b>		<b>Pass</b>		<b>Fail</b>	X
<b>Suction case bearing:</b>		<b>Pass</b>		<b>Fail</b>	X
<b>Wear rings:</b>	N/A	<b>Pass</b>	-	<b>Fail</b>	-
<b>Impeller type:</b>	Closed bronze, pitted and rough	<b>Pass</b>		<b>Fail</b>	X
<b>Impeller trim:</b>	top of imp. - 7 9/16, bottom of imp 9 11/16				
<b>Collet type:</b>	Carbon steel	<b>Pass</b>		<b>Fail</b>	X
<b>Intermediate bowls:</b>	ID pitted and rusty	<b>Pass</b>		<b>Fail</b>	X
<b>Discharge case:</b>		<b>Pass</b>		<b>Fail</b>	X
<b>Suction case:</b>		<b>Pass</b>		<b>Fail</b>	X
<b>Column adapter (bowl):</b>		<b>Pass</b>		<b>Fail</b>	X
<b>Suction coupling/adapter:</b>		<b>Pass</b>		<b>Fail</b>	X
<b>Intermediate bowl bolting:</b>		<b>Pass</b>		<b>Fail</b>	X
<b>Discharge case bolting:</b>		<b>Pass</b>		<b>Fail</b>	X
<b>Sand collar:</b>	Bronze	<b>Pass</b>	X	<b>Fail</b>	
<b>Bowl shaft coupling:</b>		<b>Pass</b>		<b>Fail</b>	X
<b>Spider bearing:</b>		<b>Pass</b>		<b>Fail</b>	X
<b>Bearing inserts:</b>		<b>Pass</b>		<b>Fail</b>	X
<b>Discharge head type:</b>	CI	<b>Manufacturer:</b>	Unknown		
<b>Discharge head size:</b>	10 x 16 1/2	<b>Pass</b>	X	<b>Fail</b>	
<b>Discharge column adapter:</b>	Internal butt	<b>Pass</b>	X	<b>Fail</b>	

## VERTICAL TURBINE PUMP INSPECTION REPORT | PRODUCT LUBE

<b>Customer:</b>	City of Georgetown	<b>Date:</b>	11/25/2019
<b>Pump #</b>	Water Well No. 9	<b>Job #:</b>	

	PVC:			Yes			Size:	1"		Pass		Fail	X
	Stuffing box:				Packing:	graphite				Pass	X	Fail	
	Lantern ring:									Pass	-	Fail	-
	Packing gland & screws:									Pass		Fail	
	Nuts for packing gland:									Pass		Fail	X
	Stuffing box bearing:									Pass		Fail	X
	Mechanical Seal:		-	Size:	-				Pass	-	Fail	-	
	Type of mechanical seal:			-									
	Adapter stud & nuts:									Pass		Fail	X
	Suction pipe:		n/a		Length:					Pass	-	Fail	-
	Suction strainer/type:			Cone, threaded/ coated CS						Pass		Fail	X
	Column pipe:	Size:	10"	Length:	119 1/4	Quantity:	13	Pass	0	Fail	13		
	Column pipe:	Size:	10"	Length:	59 1/4	Quantity:	1	Pass	0	Fail	1		
	Line shaft	Size:	1 1/4	Length:	10'	Quantity:	13	Pass	0	Fail	13		
	Line shaft:	Size:	1 1/4	Length:	5'	Quantity:	1	Pass	0	Fail	1		
	Line shaft couplings:			Size:	1 1/4	Quantity:	14	Pass	0	Fail	14		
	Top special shaft:			Length:	60"			Pass		Fail	X		
	Motor Shaft	Size:	1 1/4	Length:	37 1/2	Quantity:	1	Pass		Fail	X		
	Head shaft nut & keyway:			N/A				Pass		Fail	X		
	Gear drive:			Type:					Pass	-	Fail	-	
	Bore size:							Pass	-	Fail	-		
Dimensions:	A	B	C	D	E	F	G	H					

## VERTICAL TURBINE PUMP INSPECTION REPORT | PRODUCT LUBE

<b>Customer:</b>	City of Georgetown	<b>Date:</b>	11/25/2019
<b>Pump #</b>	Water Well No. 9	<b>Job #:</b>	

### INITIAL OBSERVATIONS:

Airline Poly, bad

Column 10" x 119 1/4, qty: 13  
All bad pits in faces  
Very rusty, thin faces  
1 has hole

Shafts 1 1/4 with 1 7/16 stainless sleeve  
All bad  
Very rusty  
Couplings carbon steel, very rusty

Pump Enamel coating is intact  
All uncoated surfaces very pitted

Impellers very pitted and rough

Down hole probe

Head C.I is filthy, needs blast and paint



























PO Box 909 • Willis, TX 77378  
936-756-7721 • 281-353-8484 • 936-756-7723 fax  
[www.weisingerinc.com](http://www.weisingerinc.com)

December 10, 2019

Georgetown Utility Systems  
300-1 Industrial Ave.  
Georgetown, TX 78626

Attn: Jeffrey De Leon  
[jeffrey.deleon@georgetown.org](mailto:jeffrey.deleon@georgetown.org)

**Ref: Water Well No. 9**

Dear Jeffrey:

The existing Flowserve 12ENL/2 stage pump was found to contain heavy pitting in the cast iron surfaces and the bronze impellers. All of the 10" column has rust pitting on their ID & OD surfaces and in their sealing faces, one joint of column pipe has a hole in it about 1/2" in diameter. The 1 1/4" line shafts are very rusty and the stainless-steel sleeves have over tolerance wear. All of the drop-in spiders contain galling on their sealing faces and the rubber inset bearings are worn above acceptable tolerances. The stuffing box bearing is worn above acceptable tolerances and it is missing the lantern ring. The existing discharge head and downhole probe are both in fair condition and may be reused. The existing motor was not brought in for inspection.

A TV Survey was performed on 12/03/19 after removing the pumping equipment from the well. The static water level was 15' and the total depth viewed was 164'. There were no structural issues noted at this time. Based on the review of the TV Survey, we recommend jetting the fill from the bottom of the well and re-surveying the well.

**Scope of Services – Well Rehabilitation**

- Haul work-pipe to the well site
- Service rig and crew to jet the fill/debris from the bottom of the well
- Perform a TV Survey of the well and present a report of findings

**Estimated Subtotal for Well Rehabilitation Outlined ..... \$18,880.00**

**Recommended Pumping Equipment and Services**

- 1 - New 1,650 GPM @ 100' TDH open line shaft bowl assembly with 416 S.S. collets
- 140' - New 10" x 1 1/4" product lubricated column assemblies with 416 S.S. line shafts and a 10" 304 S.S. cone strainer
- 140' - New 1" PVC sounding tube
  - 1 - Rebuild the existing stuffing box with a new bronze bearing and graphite packing
  - 1 - Sandblast, prime and paint the existing discharge head and parts
  - 1 - New 1 1/4" motor drive shaft, complete with head shaft nut, gib key, and lock bolt
- 145' - New 1/4" PVC coated S.S. airline complete with water level detector kit
  - 1 - Miscellaneous Items to Make Operational
  - Shop Labor to load the New Equipment for Shipment
  - Haul pumping equipment to the well site
  - Service rig and crew to install pumping equipment in the well
  - Startup and test the well



December 10, 2019  
Attn: Jeffrey De Leon  
Re: Water Well No. 9  
Page -2-

- Collect (1) bacteriological sample

**Estimated Subtotal for Equipment and Services outlined ..... \$51,866.00**

**Estimated Grand Total Outlined ..... \$70,746.00**

Thank you for the opportunity to offer you our services as we await your response.

Sincerely,

A handwritten signature in blue ink, appearing to read "Charlie McCulloch", is positioned above the printed name.

**Charlie McCulloch**  
**Weisinger Incorporated**



**BuyBoard Contract # 589-19**

**PUMP RECEIVING REPORT**

<b>Customer:</b>	City of Georgetown	<b>Date:</b>	11/27/2019
<b>PUMP #:</b>	Walden Park Plant Booster 2	<b>Job #:</b>	2502-1
<b>MOTOR DATA</b>			
<b>Manufacturer:</b>		<b>Serial #:</b>	
<b>Horsepower:</b>	200	<b>RPM:</b>	1,780
<b>Frame:</b>		<b>Volts:</b>	
<b>PUMP DATA</b>			
<b>Manufacturer:</b>	Peabody-Floway	<b>Serial #:</b>	87-01239
<b>Model:</b>	14 FKH 3	<b>Design Point:</b>	2,500
<b>gpm @</b>	216	<b>ft. TDH</b>	# of Stages: 3

**COMMENTS**





## TIR VERTICAL TURBINE PUMP PRODUCT LUBE

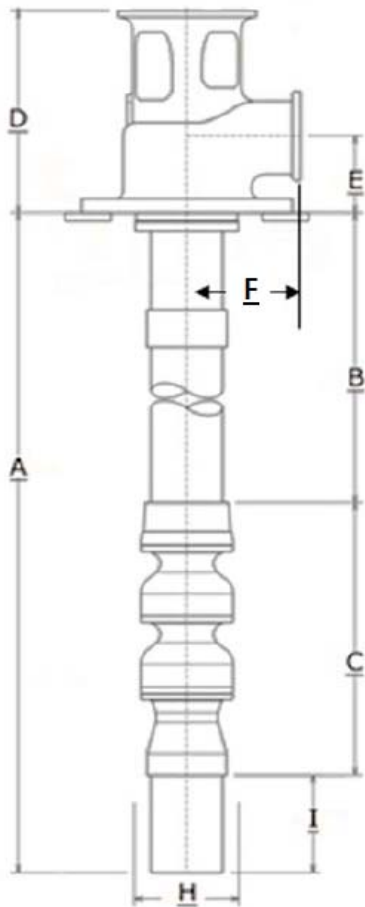
<b>Customer:</b>	City of Georgetown	<b>Date:</b>	11/27/2019
<b>Pump #</b>	Walden Park Plant Booster 2	<b>Job #:</b>	2502-1

**MOTOR DATA**

<b>TYPE:</b>		<b>Serial #:</b>		<b>Horsepower:</b>	200
<b>Frame:</b>		<b>Volts:</b>		<b>RPM:</b>	1,780

**WELL PUMP DATA**

Manufacturer:	Peabody-Floway				Serial #:		87-01239			Model:		14 FKH 3		
Design Point:	2,500				g.p.m. @		216		ft. TDH		# of Stages:		3	
Column Size:	12"				Shaft (in.)		1 15/16" x 1 5/8" x 1 1/2"			TPL:		146"		
PUMP INSTALLATION DIMENSIONS	A	B	C	D	E	F	CD MOTOR		H	I	J	TPL=B+C		
	146"	83.5"	64"	25"	12"	16 5/8"			14"	Bell		146" (Threaded Head)		



<b>Bowl shaft size (in):</b>	1 15/16" x 74 3/4"	<b>Pass</b>		<b>Fail</b>	X
<b>Bowl bearing size:</b>	1.965"	<b>Pass</b>		<b>Fail</b>	X
<b>Suction case bearing:</b>	1.952"	<b>Pass</b>		<b>Fail</b>	X
<b>Wear rings:</b>	.028" Clearance	<b>Pass</b>		<b>Fail</b>	X
<b>Impeller type:</b>	Closed Bronze	<b>Pass</b>	X	<b>Fail</b>	
<b>Impeller trim:</b>	9.5" x 11.5"				
<b>Collet type:</b>	SS Tapered	<b>Pass</b>	X	<b>Fail</b>	
<b>Intermediate bowls:</b>	Visually Fair Condition	<b>Pass</b>	X	<b>Fail</b>	
<b>Discharge case:</b>	Visually Fair Condition	<b>Pass</b>	X	<b>Fail</b>	
<b>Suction case:</b>	Visually Fair Condition	<b>Pass</b>	X	<b>Fail</b>	
<b>Column adapter (bowl):</b>		<b>Pass</b>		<b>Fail</b>	
<b>Suction coupling/adapter:</b>		<b>Pass</b>		<b>Fail</b>	
<b>Intermediate bowl bolting:</b>	Replace	<b>Pass</b>		<b>Fail</b>	X
<b>Discharge case bolting:</b>	Replace	<b>Pass</b>		<b>Fail</b>	X
<b>Sand collar:</b>	Visually Fair Condition	<b>Pass</b>	X	<b>Fail</b>	
<b>Bowl shaft coupling:</b>	Galded	<b>Pass</b>		<b>Fail</b>	X
<b>Stuffing box bearing:</b>	Worn	<b>Pass</b>		<b>Fail</b>	X
<b>Spider bearing:</b>	Worn	<b>Pass</b>		<b>Fail</b>	X
<b>Bearing inserts:</b>	Worn Rubber Insert	<b>Pass</b>		<b>Fail</b>	X
<b>Discharge column adapter:</b>		<b>Pass</b>		<b>Fail</b>	
<b>Discharge head type:</b>	Cast Iron	<b>Manufacturer:</b>	Peabody-Floway		
<b>Discharge head size:</b>	12"x12"x20"				



## VERTICAL TURBINE PUMP INSPECTION REPORT PRODUCT LUBE

<b>Customer:</b>	City of Georgetown	<b>Date:</b>	11/27/2019				
<b>Pump #</b>	Walden Park Plant Booster 2	<b>Job #:</b>	2502-1				

	Lantern ring:					Pass		Fail	X	
	Packing gland & screws:					Pass		Fail	X	
	Nuts for packing gland:					Pass		Fail	X	
	Stuffing box:	Packing:	Rebuild Stuffing Box			Pass		Fail	X	
	Mechanical Seal Manufacture:					Pass		Fail		
	Model Number:									
	Adapter stud & nuts:					Pass		Fail		
	Spider Bearing:					Pass		Fail		
	Suction pipe:	Y		N	X	Length:		Pass	Fail	
	Suction strainer/type:	None				Pass		Fail		
	Column pipe: Size:	12"	Length:	24.5"	Quantity:	1	Pass	Fail	X	
	Column pipe: Size:	12"	Length:	59.25"	Quantity:	1	Pass	Fail	X	
	Line shaft TPI:	10					Pass		Fail	
	Line shaft: Size:	1.625"	Length:	88.375"	Quantity:	1	Pass	Fail	X	
	J	12"	Line shaft couplings:	1.5"	Size:	1.5"	Quantity:	2	Pass	Fail
K	64"	Motor Shaft Size:	1.5"	Length:	50.75"	Quantity:	1	Pass	Fail	X
L	Water Lube	Head shaft nut & keyway:	Replace			Pass		Fail		
BOWL DIMENSIONS	Gear drive:	Type:				Pass		Fail		
	Bore size:					Pass		Fail		
<b>COMMENTS:</b>										
Pipe is heavily corroded. Needs replaced.										
Shafting and bearings are worn. Need replaced.										
<b>Stickdown: 5 3/8"</b>										
Top Column Projection: 17"										
Lateral 1"										
Sand Collar 6 5/8"										





## VERTICAL TURBINE PUMP INSPECTION REPORT

<b>Customer:</b>	City of Georgetown	<b>Date:</b>	11/27/2019
<b>Pump #</b>	Walden Park Plant Booster 2	<b>Job #:</b>	2502-1

### Recommendations:

Replace Pump Shaft.  
 Replace Line Shaft.  
 Replace Motor Drive Shaft.  
 Replace Line Shaft Couplings.  
 Replace Bowl Bearings, Discharge Bearing, and Suction Bearing.  
 Replace Column Pipe and Spider with Rubber Insert Bearing.  
 Rebuild Stuffing Box. Remachine Face, Fits, and Replace Bearing.  
 Blast and Coat Head, Bowl Assembly and Pipe ID/OD.  
 Replace Hardware.  
 Offer Mechanical Seal.





Weisinger Incorporated

PO Box 909 - Willis, TX 77378  
936-756-7721 - 281-353-8484 - 936-756-7723 fax

**PROPOSAL**

TO: Jeff De Leon  
COMPANY: City of Georgetown  
Water Services Supervisor

DATE: 16-Dec-2019

PROPOSAL SENT: Email

JOB REFERENCE: Peabody-Floway 14FKH-3  
Walden Park Plant Booster 2

Call or email us if you require additional information regarding this proposal.

Item No	Description	Qty	Sell Price
1	<b>Peabody-Floway 14FKH-3</b>		
	Repairs to 3-Stage Pumping Unit		
	Replace Pump Shaft 1 15/16" x 74 3/4"		
	Replace Line Shaft 1 5/8"		
	Replace Motor Drive Shaft 1.5"		
	Replace Line Shaft Couplings 1.5"		
	Replace Bowl Bearings		
	Replace Suction Bearings		
	Replace Discharge Bearings		
	Replace 12" Column Pipe and Spider with Rubber Insert Bearings		
	Rebuild Stuffing Box.		
	Remachine Face, Fits, and Bearings.		
	Re-use existing head provided by customer.		
	Blast and Coat Head/Bowl Assembly and Column Pipe with PPG Amerlock 2/400.		
	Misc. Hardware		
	Pump Assembly		
	Mobilize to job site		
	Install and Perform start up		
	Per diem		
	TOTAL:	1	\$36,264.00
	In lieu of rebuilding stuffing box:		
	Option 1		
	New 1.625" EV05 Cartridge Seal		
	Total with Option 1, New EV05 Cartridge Seal		\$39,357.00
	Installation included		
	Lead time: 3-4 Weeks - Excluding Holidays.		
	Weisinger Job No. 2502-1		

Shipment: F.O.B. Jobsite

THIS SYSTEM QUOTED USING INFORMATION SUPPLIED AT THE TIME OF PRICING  
Submitted by: Charlie McCulloch (713)248-7453.



BuyBoard Contract # 589-19





## PUMP RECEIVING REPORT

<b>Customer:</b>	City of Georgetown	<b>Date:</b>	11/27/2019
<b>PUMP #:</b>	DB Wood Booster Pump 4	<b>Job #:</b>	2502-3
<b>MOTOR DATA</b>			
<b>Manufacturer:</b>		<b>Serial #:</b>	
<b>Horsepower:</b>		<b>RPM:</b>	1,765
<b>Frame:</b>		<b>Volts:</b>	
<b>PUMP DATA</b>			
<b>Manufacturer:</b>	Worthington	<b>Serial #:</b>	62811B
<b>Model:</b>		<b>Model:</b>	14HH276-1
<b>Design Point:</b>	2,600	<b>gpm @</b>	55
		<b>ft. TDH</b>	
		<b># of Stages:</b>	1





## TIR VERTICAL TURBINE PUMP PRODUCT LUBE

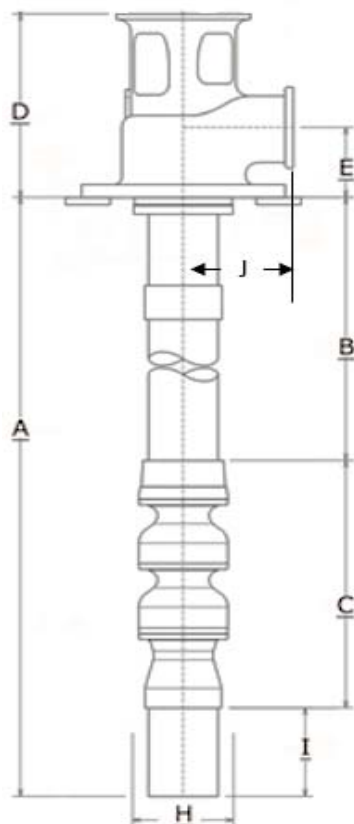
<b>Customer:</b>	City of Georgetown	<b>Date:</b>	11/27/2019
<b>Pump #</b>	DB Wood Booster Pump 4	<b>Job #:</b>	2502-3

**MOTOR DATA**

<b>TYPE:</b>		<b>Serial #:</b>		<b>Horsepower:</b>	
<b>Frame:</b>		<b>Volts:</b>		<b>RPM:</b>	1,765

**WELL PUMP DATA**

<b>Manufacturer:</b>	Worthington			<b>Serial #:</b>	62811B			<b>Model:</b>	14HH276-1		
<b>Design Point:</b>	2,600			<b>g.p.m. @</b>	55		<b>ft. TDH</b>	<b># of Stages:</b>	1		
<b>Column Size:</b>	14"			<b>Shaft (in.)</b>	1 1/2 to 1 1/4" x 45 3/4			<b>TPL:</b>	196"		
<b>PUMP INSTALLATION DIMENSIONS</b>	A	B	C	D	E	F	CD MOTOR	H	I	J	TPL=B+C
	196 '	162 1/4"	33 3/4"	32 1/2"	13 7/8"		28 1/4"			19 7/8"	



<b>Bowl shaft size (in):</b>	1 1/2" to 1 1/4" x 45 3/4"	<b>Pass</b>		<b>Fail</b>	x
<b>Bowl bearing size:</b>	1 762 CLEARANCE	<b>Pass</b>		<b>Fail</b>	X
<b>Suction case bearing:</b>	1. 755 CLEARANCE	<b>Pass</b>		<b>Fail</b>	X
<b>Wear rings:</b>	.179 CLEARANCE	<b>Pass</b>		<b>Fail</b>	X
<b>Impeller type:</b>	CLOSED	<b>Pass</b>		<b>Fail</b>	
<b>Impeller trim:</b>					
<b>Collet type:</b>	STAINLESS	<b>Pass</b>		<b>Fail</b>	
<b>Intermediate bowls:</b>		<b>Pass</b>		<b>Fail</b>	
<b>Discharge case:</b>	WORN EXCESSIVELY	<b>Pass</b>		<b>Fail</b>	X
<b>Suction case:</b>	BEARING WORN	<b>Pass</b>		<b>Fail</b>	X
<b>Column adapter (bowl):</b>		<b>Pass</b>		<b>Fail</b>	
<b>Suction coupling/adapter:</b>		<b>Pass</b>		<b>Fail</b>	
<b>Intermediate bowl bolting:</b>		<b>Pass</b>		<b>Fail</b>	
<b>Discharge case bolting:</b>	CORRODED	<b>Pass</b>		<b>Fail</b>	X
<b>Sand collar:</b>	CLEAN AND POLISH	<b>Pass</b>	X	<b>Fail</b>	
<b>Bowl shaft coupling:</b>	WORN/CORRODED	<b>Pass</b>		<b>Fail</b>	X
<b>Stuffing box bearing:</b>	1.750 CLEARANCE	<b>Pass</b>		<b>Fail</b>	X
<b>Spider bearing:</b>	RUBBER/WORN	<b>Pass</b>		<b>Fail</b>	X
<b>Bearing inserts:</b>		<b>Pass</b>		<b>Fail</b>	
<b>Discharge column adapter:</b>		<b>Pass</b>		<b>Fail</b>	
<b>Discharge head type:</b>		<b>Manufacturer:</b>			
<b>Discharge head size:</b>					



PO Box 2848 • Conroe, TX 77305  
936-756-7721 • 281-353-8484 • 936-756-7723 fax  
www.weisingerinc.com

## VERTICAL TURBINE PUMP INSPECTION REPORT PRODUCT LUBE

<b>Customer:</b>	City of Georgetown	<b>Date:</b>	11/27/2019
<b>Pump #</b>	DB Wood Booster Pump 4	<b>Job #:</b>	2502-3

	<b>Lantern ring:</b>	WORN				Pass		Fail	X	
	<b>Packing gland &amp; screws:</b>	WORN/CORRODED				Pass		Fail	X	
	<b>Nuts for packing gland:</b>	WORN/CORRODED				Pass		Fail	X	
	<b>Stuffing box:</b>	<b>Packing:</b>	WORN			Pass		Fail	X	
	<b>Mechanical Seal Manufacture:</b>					Pass		Fail		
	<b>Model Number:</b>									
	<b>Adapter stud &amp; nuts:</b>					Pass		Fail		
	<b>Spider Bearing:</b>					Pass		Fail		
	<b>Suction pipe:</b>	Y		N		<b>Length:</b>		Pass	Fail	
	<b>Suction strainer/type:</b>					Pass		Fail		
	<b>Column pipe: Size:</b>	10"	<b>Length:</b>	119 1/2"	<b>Quantity:</b>	1	Pass	X	Fail	
	<b>Column pipe: Size:</b>	10"	<b>Length:</b>	44 1/2"	<b>Quantity:</b>	1	Pass	X	Fail	
	<b>Line shaft TPI:</b>	8				Pass		Fail		
	<b>Line shaft: Size:</b>	1 1/4"	<b>Length:</b>	10'	<b>Quantity:</b>	1	Pass		Fail	X
	J	<b>Line shaft couplings:</b>	1 1/4"	<b>Size:</b>	56"	<b>Quantity:</b>	X	Pass	Fail	X
K	<b>Motor Shaft Size:</b>	1 1/4"	<b>Length:</b>		<b>Quantity:</b>		Pass	Fail	X	
L	<b>Head shaft nut &amp; keyway:</b>					Pass		Fail		
BOWL DIMENSIONS	<b>Gear drive:</b>	<b>Type:</b>				Pass		Fail		
	<b>Bore size:</b>					Pass		Fail		
<b>COMMENTS:</b>										
DISCHARGE BOWL BEARING FAILURE. TOP BEARING WAS THREADED ON AND SPUN OFF DISCHARGE END.										
SHAFT WAS WOBBLING DURING OPERATION AND WORE SUCTION BELL BEARING DOWN TO ZERO.										



## VERTICAL TURBINE PUMP INSPECTION REPORT

<b>Customer:</b>	City of Georgetown	<b>Date:</b>	11/27/2019
<b>Pump #</b>	DB Wood Booster Pump 4	<b>Job #:</b>	2502-3

### INITIAL OBSERVATIONS:

REPLACE BOWL ASSEMBLY WITH NEW BOWL.  
 REPLACE LINE SHAFT X 2  
 REPLACE MOTOR SHAFT  
 BLAST AND COAT OD AND ID OFF COLUMNS AND HEAD  
 REWORK STUFFING BOX TO ACCOMMODATE A MECHANICAL SEAL  
 REPLACE RUBBER SPIDER  
 REPLACE SHAFT COUPLINGS  
 REPLACE WORN CORRODED HARDWARE  
 REPLACE DISCHARGE GASKET  
 INSTALL NEW MECHANICAL SEAL PER DAVE LAVORA







**Weisinger Incorporated**

PO Box 909 - Willis, TX 77378  
936-756-7721 - 281-353-8484 - 936-756-7723 fax

**PROPOSAL**

TO: Jeff De Leon  
COMPANY: City of Georgetown  
Water Services Supervisor

DATE: 10-Dec-2019

PROPOSAL SENT: Email

JOB REFERENCE: Worthington 14HH276-1  
JOB LOCATION: City of Georgetown  
DB Wood Booster  
Pump 4

This proposal covers materials for the referenced project  
Call or email us if you require additional information regarding this proposal.

Item No	Description	Qty	Sell Price
1	<b>Worthington 14HH276-1</b>		
	New F14MC 1-Stage		
	2600GPM at 55TDH		
	Replace line shaft 1 1/4" X 10'		
	Replace Motor Shaft 1 1/4"		
	Reuse Column Pipe and Head		
	Bast and Coat ID/OD of Column Pipe and Head with PPG Amerlock 2/400.		
	Re-machine Stuffing box		
	Replace Rubber Spider		
	Replace Shaft Couplings 1 1/4"		
	Replace Discharge Gasket		
	Misc. Hardware		
	Mobilize to jobsite		
	Install and perform start-up		
	Per diem		
		TOTAL:	\$23,188.00
	In lieu of rebuilding stuffing box:		
	Option 1		
	New 1.625" EV05 Cartridge Seal		
	Total with Option 1, New EV05 Cartridge Seal		\$25,842.00
	Installation included		
	Lead time: 3-4 Weeks - Excluding Holidays.		
	Weisinger Job No. 2502-3		

Payment Terms: Net 30 days  
Shipment: F.O.B. Jobsite



**City of Georgetown, Texas**  
**Utility System Advisory Board**  
**January 10, 2020**

**SUBJECT:**

Consideration and possible recommendation to approve a contract for the Lake Water Treatment Plant 980 High Service Pump Station Improvements project with Protas Construction, Inc. & Protas Inc., Joint Venture, in the amount of \$3,476,420.00 - Michael Hallmark, CIP Manager/Wesley Wright, P.E., Systems Engineering Director

**ITEM SUMMARY:**

The purpose of this project is to provide pumping Capacity to the 980 Pressure Plane. This will help with the filling of Cedar Breaks (EST) Elevated Storage Tank. The Lake WTP 980 High Service Pump Station Improvements project was advertised for public bid on November 6 and November 13, 2019 in the Williamson County Sun. Through our office, we provided plans and specifications to seventeen interested parties, including general contractors, subcontractors, suppliers and plan rooms.

On December 10, 2019 at 2:00 p.m., bids were received at the Georgetown Municipal Complex Purchasing Department, at 300-1 Industrial Avenue, Georgetown, Texas 78626 for the construction of the Lake WTP 980 High Service Pump Station Improvements. Submitted bids were then opened and publicly read aloud. Five bids were received; the names of the bidders and total project base bid amounts are summarized below:

1. Protas Construction, Inc. & Protas Inc., Joint Venture \$3,476,420.00\*
2. Archer Western Construction, LLC \$3,726,450.00
3. Cunningham Constructors & Assoc., Inc. \$3,788,800.00
4. Austin Engineering \$4,120,000.00
5. Keystone Construction \$4,226,875.00

\*Note: Refer to the attached bid tabulation reflecting the bid tab math calculation corrections.

A bid tabulation of all the bid items is attached. The low bidder on the project based on the base bid amount is Protas Construction, Inc. & Protas Inc., Joint Venture (Protas). The total project amount of \$3,476,420.00 submitted by Protas the engineer's estimate of \$4 million.

**STAFF RECOMMENDATIONS:**

Staff and CDM Smith recommends executing this contract for the Lake WTP 980 High Service Pump Station Improvements project with Protas Construction, Inc. & Protas Inc., Joint Venture in the amount of \$3,476,420.00

**FINANCIAL IMPACT:**

Funds for this expenditure are budgeted in the Water CIP.

**SUBMITTED BY:**

Wesley Wright, P.E., Systems Engineering Director/Michael Hallmark, CIP Manager

**ATTACHMENTS:**

Description		Type
<input type="checkbox"/>	Bid Tabulation	Backup Material
<input type="checkbox"/>	Letter of Recommendation	Backup Material



Bidders	Prota, Inc.	Archer Western	CCA	Austin Engineering	Keystone
Attended Mandatory Pre-Bid Meeting	✓	✓	✓	✓	✓
Acknowledged all Addenda	✓	✓	✓	✓	✓
Provide Bid Security (5%)	✓	✓	✓	✓	✓
Provide Information from 00400	✓	✓	✓	✓	✓

BASE BID AMOUNT (BASE BID ITEM Nos. 1 - 22)												
Bid Item	Item Description	Estimated Quantity	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	Furnish and install all necessary labor, materials, permits, tools, supplies and equipment and incidentals necessary to complete in place the Lake WTP 980 High Service Pump Station Improvements, as detailed and specified; and not included in other base bid items.	1	\$ 2,392,853.00	\$ 2,392,853.00	\$ 2,744,000.00	\$ 2,744,000.00	\$ 2,766,760.00	\$ 2,766,760.00	\$ 206,000.00	\$ 206,000.00	\$ 2,902,000.00	\$ 2,902,000.00
2	Bonding, Insurance, and Mobilization/Demobilization Related Expenses not to exceed Five (5) Percent of Total Bid.	1	\$ 20,882.00	\$ 20,882.00	\$ 60,000.00	\$ 60,000.00	\$ 25,000.00	\$ 25,000.00	\$ 2,710,750.00	\$ 2,710,750.00	\$ 200,000.00	\$ 200,000.00
3	Storm Water Pollution Prevention Plan (SWPPP) and SWPPP Implementation, including installing the stabilized construction entrance, silt fence, and other required temporary sedimentation and erosion control best management practices as required by the SWPPP plan, complete in place as detailed and specified.	1	\$ 23,202.00	\$ 23,202.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 12,000.00	\$ 12,000.00	\$ 10,000.00	\$ 10,000.00
4	Site and Right-of-Way Preparation, complete in place as detailed and specified.	1	\$ 2,443.00	\$ 2,443.00	\$ 1,000.00	\$ 1,000.00	\$ 20,000.00	\$ 20,000.00	\$ 50,000.00	\$ 50,000.00	\$ 9,000.00	\$ 9,000.00
5	Traffic Control Plan and Implementation, complete in place as detailed and specified.	1	\$ 9,770.00	\$ 9,770.00	\$ 5,000.00	\$ 5,000.00	\$ 20,000.00	\$ 20,000.00	\$ 6,500.00	\$ 6,500.00	\$ 4,000.00	\$ 4,000.00
6	Excavation Safety Plan and Implementation complete in place as detailed and specified.	1	\$ 1,588.00	\$ 1,588.00	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
7	Trench Safety Plan and Implementation, as required for all pipe trenches deeper than 5 feet, complete in place as detailed and specified.	1,100	\$ 2.00	\$ 2,200.00	\$ 3.00	\$ 3,300.00	\$ 10.00	\$ 11,000.00	\$ 10.00	\$ 11,000.00	\$ 5.00	\$ 5,500.00
8	Construction), including fittings, excavation, dewatering, bedding, backfill, and trench surface restoration, complete in place as detailed and specified.	1,100	\$ 364.00	\$ 400,400.00	\$ 420.00	\$ 462,000.00	\$ 410.00	\$ 451,000.00	\$ 350.00	\$ 385,000.00	\$ 440.00	\$ 484,000.00
9	Furnish and Install 30-inch Class 150 Restrained Joint DIP in casing, complete in place as detailed and specified.	145	\$ 320.00	\$ 46,400.00	\$ 750.00	\$ 108,750.00	\$ 300.00	\$ 43,500.00	\$ 450.00	\$ 65,250.00	\$ 275.00	\$ 39,875.00
10	Furnish and Install 48-inch Steel Casing Pipe (Boring and Jacking Construction), completed in place as detailed and specified.	145	\$ 1,158.00	\$ 167,910.00	\$ 220.00	\$ 31,900.00	\$ 300.00	\$ 43,500.00	\$ 1,500.00	\$ 217,500.00	\$ 1,100.00	\$ 159,500.00
11	Connect to existing 30-inch Water Pipe with tee, fittings, 30-inch butterfly valve, and appurtenances, complete in place as detailed and specified.	1	\$ 25,888.00	\$ 25,888.00	\$ 18,000.00	\$ 18,000.00	\$ 33,000.00	\$ 33,000.00	\$ 35,000.00	\$ 35,000.00	\$ 43,000.00	\$ 43,000.00
12	Assembly in manholes including excavation, piping, fittings, concrete manhole, ring and cover, concrete apron, air piping extensions, pipe supports, backfill and appurtenances, complete in place as detailed and specified.	2	\$ 9,586.00	\$ 19,172.00	\$ 6,500.00	\$ 13,000.00	\$ 34,000.00	\$ 68,000.00	\$ 10,000.00	\$ 20,000.00	\$ 10,000.00	\$ 20,000.00
13	Furnish and Install Flow Meter in meter vault, including meter, vault, electric service and equipment, fittings, valves, restraints, concrete, excavation, bedding, backfill and appurtenances, complete in place as detailed and specified.	1	\$ 78,519.00	\$ 78,519.00	\$ 35,000.00	\$ 35,000.00	\$ 70,000.00	\$ 70,000.00	\$ 120,000.00	\$ 120,000.00	\$ 100,000.00	\$ 100,000.00
14	Provide temporary water supply to Fire Department and Police Station while the 30-inch supply water line is off-line to install the 30-inch tee (referenced in Bid Item No. 11), complete in place as detailed and specified.	1	\$ 13,555.00	\$ 13,555.00	\$ 3,800.00	\$ 3,800.00	\$ 10,000.00	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00	\$ 7,000.00	\$ 7,000.00
15	Testing of 30-inch Water pipeline, complete in place as detailed and specified.	1	\$ 6,472.00	\$ 6,472.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 8,500.00	\$ 8,500.00	\$ 4,000.00	\$ 4,000.00
16	Disinfection of 30-inch Water pipeline and high service pump station cans and associated pipelines, complete in place as detailed and specified.	1	\$ 5,496.00	\$ 5,496.00	\$ 1,000.00	\$ 1,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 6,000.00	\$ 6,000.00
17	Furnish and Install Concrete Driveway including fill, subgrade prep, base material (or equal), concrete pavement, and all appurtenances, complete in place as detailed and specified.	280	\$ 150.00	\$ 42,000.00	\$ 65.00	\$ 18,200.00	\$ 48.00	\$ 13,440.00	\$ 150.00	\$ 42,000.00	\$ 100.00	\$ 28,000.00
18	Concrete Removal and Replacement, including saw cutting, subgrade prep, base material (or equal), concrete pavement, and all appurtenances, complete in place as detailed and specified.	140	\$ 192.00	\$ 26,880.00	\$ 250.00	\$ 35,000.00	\$ 40.00	\$ 5,600.00	\$ 200.00	\$ 28,000.00	\$ 100.00	\$ 14,000.00
19	Water Treatment Plant secure including materials, equipment, and furnish permanent fencing and gate repairs, complete in place as detailed and specified.	1	\$ 10,258.00	\$ 10,258.00	\$ 5,000.00	\$ 5,000.00	\$ 10,000.00	\$ 10,000.00	\$ 8,500.00	\$ 8,500.00	\$ 5,000.00	\$ 5,000.00
20	Provide Re-vegetation, complete in place as detailed and specified.	1	\$ 14,532.00	\$ 14,532.00*	\$ 2,500.00	\$ 2,500.00	\$ 15,000.00	\$ 15,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
21	Allowance to be used for additional site improvements, landscaping and miscellaneous modifications.	1	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00
22	Allowance for electric utility work.	1	\$ 16,000.00	\$ 16,000.00	\$ 16,000.00	\$ 16,000.00	\$ 16,000.00	\$ 16,000.00	\$ 16,000.00	\$ 16,000.00	\$ 16,000.00	\$ 16,000.00
Total Base Bid (Item Nos. 1-22)			\$ -	\$ 3,476,420.00*	\$ 3,726,450.00	\$ 3,726,450.00	\$ 3,788,800.00	\$ 3,788,800.00	\$ 4,120,000.00	\$ 4,120,000.00	\$ 4,226,875.00	\$ 4,226,875.00

\* Corrected bid tab calculation.



9430 Research Boulevard  
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Tel: (512) 346-1100  
Fax: (512) 345-1483

December 30, 2019

Mr. Michael Hallmark  
City of Georgetown  
300-1 Industrial Ave.  
Georgetown, TX 78627

RE: Lake WTP 980 High Service Pump Station Improvements  
Recommendation of Award

Dear Mr. Hallmark:

The Lake WTP 980 High Service Pump Station Improvements project was advertised for public bid on November 6 and November 13, 2019 in the *Williamson County Sun*. Through our office, we provided plans and specifications to seventeen interested parties, including general contractors, subcontractors, suppliers and plan rooms.

On December 10, 2019 at 2:00 p.m., bids were received at the Georgetown Municipal Complex Purchasing Department, at 300-1 Industrial Avenue, Georgetown, Texas 78626 for the construction of the Lake WTP 980 High Service Pump Station Improvements. Submitted bids were then opened and publicly read aloud. Five bids were received; the names of the bidders and total project base bid amounts are summarized below:

1. Protas Construction, Inc. & Protas Inc., Joint Venture	\$3,476,420.00*
2. Archer Western Construction, LLC	\$3,726,450.00
3. Cunningham Constructors & Assoc., Inc.	\$3,788,800.00
4. Austin Engineering	\$4,120,000.00
5. Keystone Construction	\$4,226,875.00

**\*Note: Refer to the attached bid tabulation reflecting the bid tab math calculation corrections.**

A bid tabulation of all the bid items is attached. The low bidder on the project based on the base bid amount is Protas Construction, Inc. & Protas Inc., Joint Venture (Protas). The total project amount of \$3,476,420.00 submitted by Protas is below the engineer's estimate of \$4 million.

Each bid included a Statement of Bidder's Experience (Section 00400). CDM Smith reached out to their references, and the responses received were similar to our experience with Protas on past City of Georgetown projects, such as the Cedar Breaks to Pastor waterline project. Protas provides quality work; however, they often run behind the projected schedule. For this project (Lake WTP 980 High





Mr. Michael Hallmark  
December 30, 2019  
Page 2

Service Pump Station Improvements), it is imperative that the proposed improvements are implemented with high quality without negatively impacting the operation of the existing water treatment plant. Based on our previous experience with Protas as well as feedback from City of Georgetown personnel, we believe that Protas can successfully complete the Lake WTP 980 High Service Pump Station Improvements project as designed and specified. However, given the critical nature of this project, we recommend that the City contractually reserve the right to approve or deny Protas's designation of Project Manager and Project Superintendent to assure that the contractor is committed to staffing the Lake WTP 980 Pump Station project with Protas's most qualified personnel. Assuming this provision is acceptable to the contractor, CDM Smith recommends awarding the project to Protas in the amount of \$3,476,420.00.

Sincerely,

A handwritten signature in blue ink, appearing to read "Ana Karamalegos", written over a light blue horizontal line.

Ana Karamalegos, P.E., BCEE  
CDM Smith Inc.  
TBPE Firm Registration No. F-3043

cc: Wesley Wright, P.E., City of Georgetown  
Ken Taylor, City of Georgetown  
Allen Woelke, P.E., CDM Smith  
Danny Shannon, P.E., CDM Smith

*Attachment Enclosed*

