

**AMENDMENT NO. 1 TO
PROFESSIONAL SERVICES AGREEMENT FOR
A/E SERVICES FOR DEPARTMENT OF WATERWORKS
EAST AND WEST BANK GENERATORS AND STRUCTURE
(PROJECT NO. WWKS 111)**

THIS AMENDMENT NO. 1 is made and entered into on this _____ day of _____,

2024 BY AND BETWEEN:

ST. CHARLES PARISH, REPRESENTED HEREIN BY ITS DULY AUTHORIZED Parish President, Matthew Jewell, (hereafter sometimes referred to as “OWNER”), and

PRINCIPAL ENGINEERING, INC., represented herein by Henry I. DiFranco, Jr., P.E., duly authorized by Corporate Resolution attached hereto (hereafter sometimes referred to as “ENGINEER”):

WHEREAS, Ordinance No. 22-5-8 adopted on May 2, 2022, by the St. Charles Parish Council approved and authorized the execution of a Professional Services Agreement with Principal Engineering, Inc. to perform A/E services for Department of Waterworks East and West Bank Generators and Structure Project (Project No. WWKS 111) in the amount of \$217,350.00; and,

WHEREAS, the original scope of the project was to replace the existing generators at the East and West Bank water treatment plants with smaller generators; and, during the development of the project, larger generators, additional switch gear, feeders, and related equipment were required to provide the reliability and operational effectiveness of the treatment facilities; and,

WHEREAS, St. Charles Parish and Principal Engineering, Inc. have mutually agreed to increase the engineering services fee by \$135,259.00 to a total \$352,609.00 to complete the work; and,

Changes to the Contract Attachments are as follows:

IN ATTACHMENT “A”

Replace the following verbiage in Attachment “A”.

EAST BANK

The original scope for the East Bank Plant was to replace the existing generator with 1 or 2 generators with more appropriately sized units. The scope included the following:

1. Electrical service and all relative panels, MCCs, and motors will be reviewed for a load study.
2. Coordination will be required with plant operators to determine which motors are no longer being used and which motors operate in sequence or simultaneously.
3. Evaluation of existing automatic transfer switch.
4. Evaluation of existing main electrical service switchgear.
5. Replacement or Upgrade of existing ATS. The existing ATS appears to be in satisfactory condition. However, if paralleled generators are installed, the ATS lineup may have to be replaced with 2-ATS's.
6. Sizing of generators to properly operate the plant under “real” load conditions.

7. An alternative consideration will be to size two generators to operate individually or in parallel when needed. This will allow the greater variance in required generator capacity and allow for generator maintenance if required to be offline.

After meetings and discussions on site, the design scope has changed to the following:

1. Electrical review, evaluation, and coordination with plant operators has remained the same.
2. The single oversized generator will be replaced with 2-500KW units.
3. The existing ATS will be abandoned in place and used as a “main disconnect”.
4. Installation of 4-ATS’s vs. 2-ATS’s.
5. Each MCC feeder will require a separate ATS.
6. Feeders of each MCC must be intercepted and rerouted over to new ATS locations near the main switchgear house.
7. It has been requested to keep the plant on-line (as feasible as possible) with minimal down time for electrical cut over of each feeder and ATS.
8. Phasing and installations are extremely difficult without having sustained outages.
9. It has been determined the existing underground feeders to the existing MCC’s are all encased in concrete below grade.

WEST BANK

The original scope for the West Bank Plant was to replace the existing generator with 1 or 2 generators with more appropriately sized units. The scope included the following:

1. Electrical service and all relative panels, MCCs, and motors will be reviewed for a load study.
2. Coordination will be required with plant operators to determine which motors are no longer being used and which motors operate in sequence or simultaneously.
3. Evaluation of existing automatic transfer switches.
4. Evaluation of existing main electrical service switchgear.
5. Reuse of existing 2-ATS’s. Existing ATS’s appear to be in satisfactory condition.
6. Sizing of generator to properly operate the plant under “real” load conditions.

After meetings and discussions on site, the design scope has changed to the following:

1. Electrical review, evaluation, and coordination with plant operators has remained the same.
2. The single oversized generator will be replaced with 2-500 KW units.
3. The existing ATS’s will be removed and replaced with new ATS’s.
4. Each MCC feeder will be reconnected to the new ATS’s.
5. It has been requested to keep the plant on-line (as feasible as possible) with minimal down time for electrical cutover of each feeder and ATS.
6. Phasing and installations are extremely difficult without having sustained outages.
7. The existing feeders are overhead, so it helps with installation and cut over, however, the generators feeders are approximately 180-200 linear feet which will result in additional costs.

IN ATTACHMENT “C”

Replace the following verbiage in Attachment “C”.

BASIC SERVICES:

Basic Service A/E Fees are established utilizing the State of Louisiana Facility Planning and Control (FP&C) 2021 Fee Formula/Curve, Attached as Attachment C-1. The new Opinion of Probable Construction Cost for both plants is \$4,524,272.50. Using the LA FP&C fee curve, the fee percentage is 7.8%. Therefore, the Basic Services Fee is 7.8% of \$4,524,272.50 which is equal to \$352,609. The Basic Services Fee is a Lump Sum (LS) fee payable upon a percentage complete of each phase of the project through construction.

FP&C Curve Fee (100%) - \$352,609.00 (LS)

The Basic Services Fee is proportioned as follows:

Preliminary Design Phase (25%)	-	\$ 88,152.25
(LS) Design Phase (45%)	-	\$158,674.05
(LS)		
Bidding Phase (5%)	-	\$ 17,630.45 (LS)
Construction Phase (20%)	-	\$ 70,521.80
(LS) Record Drawing Phase (5%)	-	\$ 17,630.45
(LS)		

THUS DONE AND SIGNED in the presence of the undersigned competent witnesses, on this _____ day of _____, 2024.

Witnesses:

ST. CHARLES PARISH

By: _____

Matthew Jewell
Parish President

Date: _____

PRINCIPAL ENGINEERING, INC.

By: _____

Henry I. DiFranco, Jr., P.E.
President

Date: _____