EXHIBIT B BID FORM RFP # 2016085 Utilities Inc. of Florida – Mid County Mid County Electrical Service & 500 Kw Generator Improvements

The following bid, for the Mid County Electrical Service and 500 Kw Generator Improvements, is hereby made to Utilities Inc. of Florida, hereafter called the Owner. This Bid is submitted by APG ELECTRIC, INC -- 4825 140th Avenue North -- Clearwater, FL 33762 (727-530-0077)

The undersigned declares that they have familiarized themselves with the nature and extent of this work by examining carefully the Project Manual, Specifications and Drawings, Bid Documents Issue date of September 15, 2016 included in this Request for Proposal (RFP), and project site survey as deemed necessary.

The bidder agrees to furnish all shop drawings, products, materials, equipment, and preform all labor necessary to complete the scope of work. The bidder further attest that the bid proposal amount herein-proposed represents and includes the entirety of the work, fees, taxes, profit, overhead, general requirements, and general conditions of the project as per the bid documents. The bid also includes the following addenda:

Addenda Number:	N/A	Dated:
Addenda Number:		Dated:
Addenda Number:		Dated:

The bidder may withdraw their proposal at any time prior to the date of the RFP opening. All Bid Proposals shall be irrevocable for a period of ninety (90) days from the date of the RFP opening.

The undersigned further certifies that the pricing reflected on this bid form is valid through January 31, 2017.

ITEM	QUANITY	ITEM	TOTAL PRICE
#			
01	Lump Sum	Mobilization and Permitting	\$ 42,000.00
02	Lump Sum	Electrical Service Upgrade / Generator Installation	\$ 487,000.00
03	Lump Sum	Electrical Controls and Programming Upgrade	\$ 149,000.00
04	Lump Sum	Engineered Slab and Construction	\$ 19,000.00
05	Lump Sum	Generator Package	\$ 246,000.00
06	Lump Sum	Mechanical Contractor	\$ 15,000.00
07	Lump Sum	Demolition and Removal	\$ 33,000.00
08	Lump Sum	Testing and Training	\$ 12,000.00
09	Lump Sum	As-Built and Close-out Documentation	\$ 14,000.00
		TOTAL PROPOSAL PRICE	\$ 1,017,000.00

NOTE: See APG proposal letter for clarifications.

EXHIBIT B Continued BID FORM RFP # 2016085 Utilities Inc. of Florida – Mid County Mid County Electrical Service & 500 Kw Generator Improvements

The bidder has verified and included the following items in the sealed bid:

- [•] Exhibit B Bid Form for RFP # 2016085
- [•] Exhibit C Subcontractor Vendor List
- [•] Exhibit D Trench Safety Statement
- [•] Inserted all above into the sealed envelope address to:
 - Utilities Inc. of Florida

200 Weathersfield Avenue

Altamonte Springs, FL 32714

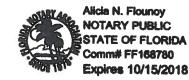
- Mid County Electrical Service and 500 Kw Generator Improvements
- RFP # 2016085 Bid Proposal

Bid Security Form is not required for this RFP.

Company Name 11/29/2016 Signature Jate Terry Ryan Preconstruction Special Projects Printed Name and Title 4825 140th Avenue North Company Address Clearwater FL 33762 City State Zip Code 727-530-0045 Telephone No. Facsimile No.	APG Electric, Inc.	
Signature Date Terry Ryan Preconstruction Special Projects Printed Name and Title 4825 140th Avenue North Company Address Clearwater FL Gity State 727-530-0077 727-530-0045	Company Name	
Printed Name and Title 4825 140th Avenue North Company Address Clearwater FL 33762 City State Zip Code 727-530-0077 727-530-0045	Signature	
Printed Name and Title 4825 140th Avenue North Company Address Clearwater FL 33762 City State Zip Code 727-530-0077 727-530-0045	Terry Rvan Preconstructio	n Special Projects
Company Address Clearwater FL 33762 City State Zip Code 727-530-0077 727-530-0045		
Company Address Clearwater FL 33762 City State Zip Code 727-530-0077 727-530-0045		
Clearwater FL 33762 City State Zip Code 727-530-0077 727-530-0045	4825 140th Avenue North	
City State Zip Code 727-530-0077 727-530-0045	Company Address	
City State Zip Code 727-530-0077 727-530-0045		
727-530-0077 727-530-0045	Clearwater FL	33762
	City State	Zip Code
Telephone No. Facsimile No.	727-530-0077	727-530-0045
	Telephone No.	Facsimile No.
estimating@apg.company	estimating@apg.company	

E-mail Address

Notary Public



Elicia M Signature of Notary

STATE OF FLORIDA COUNTY OF <u>Pinellas</u>

The foregoing instrument was acknowledge before me this 29th day of <u>November</u>, 2016, by Terry Ryan

Personally Known Produced Identification
Type of ID: ______

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EXHIBIT C SUBCONTRACTOR VENDOR LIST RFP # 2016085

Utilities Inc. of Florida – Mid County Mid County Electrical Service & 500 Kw Generator Improvements

Bidder's Name:	APG Electric, Inc.
Address:	4825 140th Avenue North
City, State, Zip Code: _	Clearwater, FL 33762
e-mail:	estimating@apg.company

 Date:
 November 29, 2016

 Phone #:
 727-530-0077

 FEIN #
 34-1412413

Subcontractor/Vendor	Work Subject	Subcontract Amount	FEIN #	Status
CONTROL SOLUTIONS	Control cabinets	INCLUDED		
RUARK CONSTRUCTION	Demo building, new slab	INCLUDED		
ALL SOUTH LIGHTNING PROT.	Lightning protection	INCLUDED		
UL TESTING AGENCY	UL inspections	INCLUDED		
t/b/d	Rigger	INCLUDED		
			-	

Subcontractor/Vendor

Provide Business Name

Work Description

Contractor-Type Vendor-Supplying

<u>Status</u>

Submitted – Submitted w/ Bid Added – Submitted after bid Removed – No longer using Canceled – No Contract/PO issued

EXHIBIT D TRENCH SAFETY STATEMENT RFP # 2016085 Utilities Inc. of Florida – Mid County Mid County Electrical Service & 500 Kw Generator Improvements

Bidder acknowledges that included in the various items of the proposal contained on the Bid Form are costs for complying with the Florida Trench Safety Act (FS 553.60-553.64). The Bidder further identifies the cost of compliance with the applicable trench safety standards for the project as follows (Bidder to attach additional sheets as necessary to identify all costs):

	Trench Safety Measure (Description)	Units of Measure (LF, SF, SY)	Unit Quantity	Unit Cost	Extended Cost
A	t/b/d			INCLUDED	
В					
С					
D					
E					
F					
TO	TAL				\$

NOTE: All excavating and backfill is included in Electrical Service Upgrade cost.

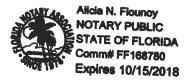
The total cost shown herein is already included in the various items on the Bid Form and is not additional to the pricing shown on the Bid Form.

Bidder, by signature below, assures that the contractor performing trench excavating will comply with the applicable Trench Safety Standards.

Submitted, signed and sealed this 29th day of November , 2016

APG Electric, Inc.	
Company Name	
Ting the	11/29/2016
Signature	Date
Terry Ryan Preconstruction S	pecial Projects
Printed Name and Title	
ATTEST:	Loy 11/29/2016
Signature	Date

Notary Public



(SEAL)

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ELECTRIC ENGINEERING TECHNOLOGY AUTOMATION LIFE SAFETY

November 29, 2016

Utilities, Inc. of Florida 200 Weathersfield Ave. Altamonte Springs, FL 32714-4027

Attn: Michael Wilson

(via email: mawilson@uiwater.com)

RE: Mid-County Electrical Service and 500 kW Generator Improvements Dunedin, FL

Dear Michael,

The following is our cost proposal for electrical work as shown on Electrical Drawings EO through E5 dated September 16, 2016 – in full accordance with project specifications, local codes and ordinances.

BID AMOUNT\$ SEE BID FORM

SCOPE OF WORK

MOBILIZATION AND PERMITTING

ELECTRICAL SERVICE UPGRADE

- Method of procedures / master plan
- Two (2) 4-inch PVC conduits for Duke primary
- Pad for Duke transformer
- Furnish and install new panels and transformers
- Furnish and install surge protection devices
- Stainless steel racks for service locations
- Hand dig excavation for new feeders
- Compaction and shell replacement
- Copper feeders utilizing PVC or aluminum conduit
- Feeder tie-ins to existing panels / equipment
- Grounding with test wells and reports
- Megger testing of all feeders

ELECTRICAL CONTROLS AND PROGRAMMING UPGRADE

 Blower Control Cabinet #1 (Sheet E2-A, Notes 6-12) 	New Panel	UL 508
 Blower Control Cabinet #2 (Sheet E2-A, Notes 13-19) 	Field Modified	UL Evaluation
 Surge Tank Blower Control Cabinet (Sheet E2-A, Notes 20-22) 	Field Modified	UL Evaluation

- Surge Pumps Control Cabinet (Sheet E2-A, Notes 23-32)
- Master Lift Station Control Cabinet (Sheet E2-A, Notes 33-37)
- Odor Control Cabinet (Sheet E2-A, Notes 38-43)
- Blowers Timer Control Cabinet (Sheet E2-B, Notes 9-11)
- Backwash Blower #1 Control Cabinet (Sheet E2-C, Notes 5-10)
- Backwash Blower #2 Control Cabinet (Sheet E2-C, Notes 5-10)
- Backwash Pump #1 Control Cabinet (Sheet E2-C, Notes 13-17)
- Backwash Pump #2 Control Cabinet (Sheet E2-C, Notes 13-17)
- Plant Water Pump Control Cabinet (Sheet E2-C, Notes 18-24)
- Instrument Air Compressor Control Cab. (Sheet E2-C, Notes 30-33)
- SOMAT Control Cabinet (Sheet E2-D, Notes 5-10)
- Filter Feed Control Cabinet #1 (Sheet E2-D, Notes 11-20)

Notes:

- Each panel provided with CAD drawings listing manufacturer catalog numbers and wiring diagram.
- All new panels are NEMA 4X type 304 stainless steel.
- All panels are programmed and tested.
- o Required field wiring.

ENGINEERED SLAB AND CONSTRUCTION

- 20' x 20' x 2' deep concrete slab with double mat of reinforcing steel
- Engineered (stamped) drawings

GENERATOR PACKAGE

- 480 volt, 3-phase, 500 kW, tier-4, diesel generator
- Weather proof, sound attenuated aluminum enclosure
- Enclosure PE certified at 200 mph wind load
- 2000 gallon sub-base tank
- 100 amp load center
- Four (4) light fixtures
- Service receptacles
- Annunciator panel
- Two (2) remote emergency shunt trip reset buttons
- 1000 amp, 480 volt, 3-phase, service entrance rated automatic transfer switch
- Start-up load bank testing

GENERATOR INSTALLATION (cost of this work is with Electrical Service Upgrades)

- Rigging / setting generator on pad
- Installation of gen set, tank, enclosure
- Wire terminations of feeders, start circuits, miscellaneous power & control circuits, annunciator wiring
- Lightning protection on generator
- Installation of automatic transfer switch
- Installation of remote shunt trip devices
- Diesel fuel fill-up of tank after testing

Field Modified	UL Evaluation
New Panel	UL 508
Field Modified	UL Evaluation
New Panel	UL 508
Field Modified	UL Evaluation
Field Modified	UL Evaluation
Field Modified	No UL Evaluation
Field Modified	No UL Evaluation
Field Modified	UL Evaluation
Field Modified	UL Evaluation
Field Modified	UL Evaluation
Field Modified	UL Evaluation

MECHANICAL CONTRACTOR (APG)

- Re-wiring of motor leads to 480 volt (in lieu of 240 volt hi-leg) if multi-leads exist
- Testing of motor rotation
- New seal tight electrical connections
- Report and coordination for re-wiring or replacement of motors (if required)
- Owner to provide allowance (cover cost) of any motor re-wiring or replacement

Note:

o APG will track all activity on Motor Matrix spreadsheet (see attachment).

DEMOLITION AND REMOVAL

- Disconnect and rigging out of existing generator. Generator to be placed on site for owner removal (sell?)
- Disconnect and remove all existing panels, transformers, and control equipment as called for on documents
- Remove all existing wiring as required
- Demolish and remove existing building which houses existing generator (this work is permitted)

Note:

- Trash materials will be placed in dumpster on site (dumpster is to be provided by others).
- o Removal of demolished generator building from site is included.

TESTING AND TRAINING

- Megger test on all feeders (recorded)
- Ground resistant testing (recorded)
- All control panels tested and UL Certified
- Motor rotation
- Owner commissioning

AS-BUILT AND CLOSE-OUT DOCUMENTS

• As-Built drawings on CAD

ALTERNATES

- 1) Provide alternate enclosures for the gear (panels, transformers) in lieu of standard NEMA 3R enclosures as specified.
 - A) Power coating

ADD\$ 3,800.00

B) NEMA 4X stainless steel

ADD\$	43,000.00
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Note: Item 1A or 1B may be taken, not both.

2) Provide NEMA 4X stainless steel enclosure for 1000 amp transfer switch in lieu of standard NEMA 3R type as specified.

ADD\$	9,800.00
	5,000.00

3) Provide (qty. 3) site lighting (LED) fixtures mounted on owner-furnished poles.

ADD\$	5,400.00
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Note: To be controlled via photo cell.

- 4) Provide extended warranty and maintenance agreements for the generator as follows:
- A) Warranty for 5 years ADD\$ 2.300.00 B) Warranty for 10 years ADD\$ 8,400.00 Note: Item 4A or 4B may be taken, not both. C) Maintenance for 5 years ADD\$ 3,700.00 / per year D) Maintenance for 10 years ADD\$ 4,600.00 / per year Note: Item 4C or 4D may be taken, not both. 5) Provide extended warranty on automatic transfer switch as follows: A) Warranty for 5 years ADD\$ 2,500.00 B) Warranty for 10 years ADD\$ 9,800.00

Note: Item 5A or 5B may be taken, not both.

CLARIFICATIONS

The following costs are **EXCLUDED** from our bid proposal:

- 1) Payment and Performance Bond.
- 2) Utility company service charges for permanent and/or temporary electrical service.
- 3) Utility company energy consumption charges.
- 4) Off-site parking and lay down areas for material storage.
- 5) Electrical Engineering. <u>Note</u>: This contract is direct with APG Engineering and Utilities, Inc. of Florida.
- 6) Re-building or replacement of existing motors.
 - Note: As discussed, these motors will be addressed on a one-by-one evaluation and paid for by owner.
- Methanol control cabinet (by owner, see Note #25 on Drawing E2-C).
 <u>Note</u>: Installation is included.

The following costs are **INCLUDED** in our bid proposal in addition to what is shown on bid documents:

- Permit cost (an allowance of \$15,000).
 <u>Note</u>: Cost has not been verified yet.
- 2) Removal of trash from site.
- 3) State and County sales tax on all materials.

We want to thank you for the opportunity to present our proposal, and look forward to working with you on this project.

Sincerely, APG Electric, Inc.

en

Terry Ryan Preconstruction Special Projects

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MID-COUNTY MOTOR MATRIX

	MOTOR	HORSEPOWER RATING	NEW VOLTAGE	ACCEPTS NEW VOLTAGE	REQUIRES FIELD MODIFICATIONS	REQUIRES REPLACEMENT	DATE
1	Methanol Pumps	0.5	480				
2	Backwash Blower #1	40	480				
3	Backwash Blower #2	40	480				
4	Air Compressor	3	480				
5	Air Compressor	3	480				
6	Backwash Water Pump #1	7.5	480				
7	Backwash Water Pump #2	7.5	480				
8	Plant Water Pump	7.5	480				
9	Blower #1	40	480				
10	Blower #2	40	480				
11	Blower #3	40	480				
12	Blower #4	40	480				
13	Clarifier Drive	0.75	208				
14	Clarifier Drive	0.75	208				
15	Master Lift Station	20	480				
16	Master Lift Station	20	480				
17	Odor Control Scrubber	5	480				
18	Screw Conveyor	0.75	208				
19	Surge Pump	15.5	480				
20	Surge Pump	10	480				
21	Filter Blower #1	75	480				
22	Filter Blower #2	75	480				
23	Surge Tank Blower	15	480				
24	Filter Feed Pumps	7.5	480				
25	Sludge Transfer Pumps	3	480				
26	SOMAT Presses	5	480				
27	Flocculator Mixer	0.5	480				
28	Sludge Pump West	1	480				