

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY**

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Meeting Date:	March 17, 2009	Consent [X]	Regular []
		Public Hearing []	

Submitted By: Water Utilities Department
Submitted For: Water Utilities Department

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I. EXECUTIVE BRIEF

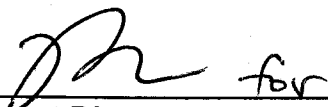
Motion and Title: Staff recommends motion to approve: **A)** Contract with Electron Corporation of South Florida for the FP&L Load Control at Southern Region Operations Center (SROC), Central Region Operations Center (CROC), and 9S Regional Pumping Facility; the Southern Region Water Reclamation Facility (SRWRF) Generator Switchgear; and the Electrical System Reliability Improvements in the amount of \$1,252,353; and **B)** Change Order No. 1 to this Contract is reducing the Contract amount by \$152,051.26.

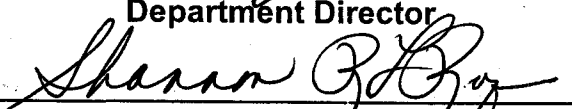
Summary: On December 17, 2008, one (1) bid was received for the FP&L Load Control at SROC, CROC, and 9S Regional Pumping Facility; the SRWRF Generator Switchgear; and the Electrical System Reliability Improvements, with Electron Corporation of South Florida being the sole bidder in the amount of \$1,252,353. Implementation of the FP&L load control at SROC will save an estimated \$38,000 annually, and operational testing must be completed by August 1, 2009. The SRWRF electrical improvements will duplicate critical equipment, which is necessary to assure uninterrupted wastewater treatment in the event of a crisis. By approving Change Order No. 1, cost reductions recommended by our consultant can be achieved in the amount of \$152,051.26. Staff and consultants have reviewed the bid and recommend award to Electron Corporation of South Florida as the sole responsive and responsible bidder in the amount of \$1,252,353. The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance (R2002-0064) is 15.00% overall. This Contract with Electron Corporation of South Florida provides for SBE participation of 100% overall. (WUD Project No. 07-018 and WUD No. 07-133) Districts 2, 5, & 6 (JM)

Background and Justification: On June 19, 2007, the Board approved Commercial/Industrial Demand Reduction Rider Agreements with FP&L (R2007-0982 thru 0984) to implement the FP&L interruptible load control rate. On April 19, 2005, the Board approved a contract for Professional Consulting Engineering Services with Jordan Jones and Goulding (JJG) (R2005-0775), to provide Wastewater & Telemetry Consulting Services. On December 20, 2006, the Contract Review Committee approved Consultant Services Authorization CSA No. 14 for design of the SRWRF Generator Switchgear, and Electrical System Reliability Improvements (WUD 07-018). On December 17, 2008, one (1) bid was received for the construction of project. Staff and consultants have reviewed the bid and recommend award to Electron Corporation of South Florida as the lowest responsive bidder in the amount of \$1,252,353. The bid exceeded the estimated cost of \$1,016,000. The consultant has recommended cost reductions of \$152,051.26 that can be achieved by approving Change Order No. 1. Staff recommends award as the FP&L load control must be implemented by August 1, 2009 and there are limited local contractors to work on SRWRF 4,160 volt switchgear.

Attachments:

- 1. Two (2) Original Contracts
- 2. Two (2) Original Change Order No. 1
- 3. Location Map
- 4. Engineer's Recommendation & Bid Tabulation Sheet
- 5. SBE Compliance Review

Recommended By:  for 2/18/09
 Department Director Date

Approved By:  3-3-09
 Assistant County Administrator Date

CHANGE ORDER No. 1
FP&L LOAD CONTROL AT SROC, CROC, AND 9S REGIONAL PUMPING FACILITY
AND SRWRF GENERATOR SWITCHGEAR, AND ELECTRICAL SYSTEM RELIABILITY
IMPROVEMENTS PROJECT
PROJECT NOS. WUD 07-133 and WUD 07-018

CHANGE ORDER NO: 1 (One)
Electron Corporation of South Florida
6421 Winding Lake Drive
Jupiter, Florida 33458

WATER UTILITIES DEPARTMENT
CONTRACT NO. R2009-
CONTRACT DATE: March 17, 2009
NOTICE TO PROCEED:
BUDGET FUNDS: 4001-720-2322-3120
4011-721-W010-6545
DISTRICTS 2, 5, and 6

You are directed to make the following changes in this contract:

1. Change the generator terminal box enclosures from 316 stainless steel to 304 stainless steel with a powder coat finish in the deductive amount of \$13,828.42 for Bid Item No. 8 & \$22,936.84 for Bid Item 9. The total reduction in cost is \$36,765.26.

2. Allow substitution of Eaton Electrical for GE for the electrical switchgear in the Electrical building in the deductive amount of \$75,520.00 for Bid Item No. 8 and \$9,817.60 for Bid Item No. 9. The total reduction in cost is \$85,337.60.

3. The County will provide a medium voltage breaker to Electron to install in the existing Russelectric generator switchgear in lieu of Russelectric providing one with their scope of work in the deductive amount of \$29,948.40 for Bid Item No. 8.

The table below shows the original versus the revised bid amount and the reduction in cost:

Bid Item No.	Original Bid Amount	Revised Bid Amount	Savings
Bid Item No. 8	\$767,747.00	\$648,450.18	\$119,296.82
Bid Item No. 9	\$346,007.00	\$313,252.56	\$32,754.44
TOTALS	\$1,113,754.00	\$961,702.74	\$152,051.26

These changes to the contract will reduce the total contract amount from \$1,252,353.00 to \$1,100,301.74.

TOTAL CHANGE ORDER NO. 1: <\$152,051.26>

<p>NOT VALID UNTIL SIGNED BY BOTH OWNER AND ENGINEER. SIGNATURE OF THE CONTRACTOR INDICATES HIS AGREEMENT HEREWITH INCLUDING ANY ADJUSTMENT IN THE CONTRACT SUM OR CONTRACT TIME, AND NO ADDITIONAL COST OR TIME INDICATED HEREIN WILL BE RELATED TO THIS CHANGE.</p>
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**FP&L LOAD CONTROL AT SROC, CROC, AND 9S REGIONAL PUMPING FACILITY
AND SRWRF GENERATOR SWITCHGEAR, AND ELECTRICAL SYSTEM RELIABILITY
IMPROVEMENTS PROJECT**

**PROJECT NOs. WUD 07-018 and WUD 07-133
CONTRACT NO. R-2009-
CHANGE ORDER NO. 1(One)**

The original Contract Sum was:	\$1,252,353.00
Net change by previous Change Orders:	\$0.00
The Contract Sum prior to this Change Order was:	\$1,252,353.00
The Contract Sum will be decreased by this Change Order.	<\$152,051.26>
The new Contract Sum including this Change Order will be	\$1,100,301.74
The Contract time will be increased by:	(0)days
The Date of Substantial Completion including this Change Order:	
Substantial Completion	Phase 1 - 90-days, Phase 2 - 180 days from Notice To Proceed (NTP)
The Date of Final Completion including this Change Order:	Phase 1 - 120days, Phase 2 - 210 days from NTP

EXECUTION OF THIS CHANGE ORDER ACKNOWLEDGES FINAL SETTLEMENT OF, AND RELEASES, ALL CLAIMS FOR COSTS AND TIME ASSOCIATED, DIRECTLY OR INDIRECTLY, WITH THE ABOVE-STATED MODIFICATION(S) INCLUDING ALL CLAIMS FOR CUMULATIVE DELAYS OR DISRUPTIONS RESULTING FROM, CAUSED BY, OR INCIDENT TO SUCH MODIFICATIONS AND INCLUDING ANY CLAIM THAT THE ABOVE STATED MODIFICATION(S) CONSTITUTES IN WHOLE OR PART, A CARDINAL CHANGE TO THE CONTRACT.

**Palm Beach County
Water Utilities Dept.**

Diana Rivera
ENGINEER
Diana Rivera, P.E.
ADDRESS
P.O. Box 16097
West Palm Beach, FL 33416
DATE 2/10/09

**Electron Corporation
of South Florida**

Albert Laessig
CONTRACTOR
Albert Laessig, President
ADDRESS
6421 Winding Lake Drive
Jupiter, Florida 33458
DATE 2/10/09

**Palm Beach County Board
of County Commissioners**

OWNER
John F. Koons, Chairman
ADDRESS
P.O. Box 16097
West Palm Beach, FL 33416
DATE _____

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY:

ATTEST: SHARON R. BOCK,
CLERK AND COMPTROLLER:

County Attorney

(Corporate Seal)

Deputy Clerk

SAJ 2/10/09

**FP&L LOAD CONTROL AT SROC, CROC, AND 9S REGIONAL PUMPING FACILITY AND
SRWRF GENERATOR SWITCHGEAR, AND ELECTRICAL SYSTEM RELIABILITY
IMPROVEMENTS PROJECT
PROJECT NOS. WUD 07-018 and WUD 07-133
SCOPE OF WORK**

The consultant has identified several areas where cost reduction could be made to reduce the total bid amount. Three means of cost savings were determined:

1. Change the generator terminal box enclosures from 316 stainless steel to 304 stainless steel with a powder coat finish in the deductive amount of \$13,828.42 for Bid Item No. 8 & \$22,936.84 for Bid Item 9. The total reduction in cost is \$36,765.26.

2. Allow substitution of Eaton Electrical for GE for the electrical switchgear in the Electrical building in the deductive amount of \$75,520.00 for Bid Item No. 8 and \$9,817.60 for Bid Item No. 9. The total reduction in cost is \$85,337.60.

3. The County will provide a medium voltage breaker to Electron to install in the existing Russelectric generator switchgear in lieu of Russelectric providing one with their scope of work in the deductive amount of \$29,948.40 for Bid Item No. 8.

The table below shows the original versus the revised bid amount and the reduction in cost:

Bid Item No.	Original Bid Amount	Revised Bid Amount	Savings
Bid Item No. 8	\$767,747.00	\$648,450.18	\$119,296.82
Bid Item No. 9	\$346,007.00	\$313,252.56	\$32,754.44
TOTALS	\$1,113,754.00	\$961,702.74	\$152,051.26

The consultant has recommended cost reductions of \$152,051.26 that can be achieved by approving Change Order No. 1. Consideration was given to the fact that the components of the bid are of a critical nature to the County as the FP&L load control work is under a strict deadline with significant financial ramifications if the contract is not executed. The reliability components of SRWRF are critical in nature as there is the possibility of a single point failure that could severely interrupt plant operations if the contract is not awarded.

FP&L LOAD CONTROL AT SROC, CROC, AND 9S REGIONAL PUMPING FACILITY AND
SRWRF GENERATOR SWITCHGEAR, AND ELECTRICAL SYSTEM RELIABILITY
IMPROVEMENTS PROJECT
PROJECT NOs. WUD 07-018 and WUD 07-133
CONTRACT NO. R-2009-
CHANGE ORDER NO. 1(ONE)

COST SUMMARY

<u>C.O. #</u>	<u>DESCRIPTION</u>	<u>ADDITIONS</u>	<u>(DELETIONS)</u>	<u>NET CHANGE</u>
1	Deduction of Materials and equipment.	\$0	<\$152,051.26>	<\$152,051.26>

FP&L LOAD CONTROL AT SROC, CROC, AND 9S REGIONAL PUMPING FACILITY AND
SRWRF GENERATOR SWITCHGEAR, AND ELECTRICAL SYSTEM RELIABILITY
IMPROVEMENTS PROJECT
PROJECT NOS. WUD 07-018 and WUD 07-133
CONTRACT NO. R-2009-
CHANGE ORDER NO. 1(One)

- | | |
|--|--|
| <input checked="" type="checkbox"/> OWNER INITIATED | <input type="checkbox"/> QUANTITY OVERRUNS/UNDERRUNS |
| <input type="checkbox"/> DIFFERING SITE CONDITIONS | <input type="checkbox"/> REQUEST BY ANOTHER AGENCY |
| <input type="checkbox"/> ZONING/CODE/ORDINANCE CHANGES | <input type="checkbox"/> ERRORS/OMISSIONS IN DESIGN |
| | <input type="checkbox"/> Reimbursable |
| | <input type="checkbox"/> Non-Reimbursable |

SCHEDULE 1

PARTICIPATION OF SBE/MWBE CONTRACTORS

PROJECT NAME: FP&L LOAD CONTROL AT SROC, CROC, AND 9S REGIONAL PUMPING FACILITY AND SRWRF GENERATOR SWITCHGEAR, AND ELECTRICAL SYSTEM RELIABILITY IMPROVEMENTS PROJECT

PROJECT NOs. WUD 07-018 & WUD 07-133

NAME OF PRIME CONTRACTOR: Electron Corporation of South Florida CHANGE ORDER NO. 1

CONTACT PERSON: Albert Laessig, President PHONE NO: 561-744-1388 FAX NO: 561-744-5777

CONTRACT DATE: March 17, 2009

DEPARTMENT: Water Utilities

Name, Address and Phone Number of M/WBE	Type of Work To Be Performed	Contract Amount			
		Black	Hispanic	Women	Other(Please Specify)
1.		\$ ___	\$ ___	\$ ___	\$ ___0
2.		\$ ___	\$ ___	\$ ___	\$ ___0
3.		\$ ___	\$ ___	\$ ___	\$ ___0
4.		\$ ___	\$ ___	\$ ___	\$ ___0
5.		\$ ___	\$ ___	\$ ___	\$ ___0
TOTALS		\$ 0	\$ 0	\$ 0	\$ ___0

PRIME CONTRACTOR TO COMPLETE:

ORIGINAL CONTRACT PRICE: \$1,252,353.00 ORIGINAL PARTICIPATION: \$1,252,353.00 % PARTICIPATION: 100%

ADJUSTED CONTRACT PRICE: \$1,100,301.74 ADJUSTED PARTICIPATION: \$1,100,301.74 % PARTICIPATION: 100%



HILLERS ELECTRICAL ENGINEERING, INC.

January 13, 2009

Mr. Maurice Tobon, P.E
Director of Engineering
Palm Beach County Water Utilities
8100 Forest Hill Blvd
West Palm Beach, FL. 33416

Subject: Project No. WUD 07-133 and WUD 07-018 FP&L Load Control at SROC, CROC and 9S Regional Pumping Facility and SRWRF Switchgear and Electrical System Reliability Improvements Recommendation of Award

Dear Maurice:

On December 17th 2007, the County opened sealed bids for the above referenced projects. Hillers Electrical Engineering has reviewed the detailed bid tabulations provided by the County and the following information is provided relative to the evaluation of the bids.

Electron Corporation of South Florida was the lone bidder for the project. Both Edwards Electric and Energy Efficient Electric, identified as other potential bidders during the bid period, indicated that they were busy bidding other projects and were not able to devote time to this bid to be competitive.

There were 10 items in the bid tabulation to which the bidder responded:

<u>Item</u>	<u>Amount</u>
1	\$59,600.00
2	\$17,427.00
3	\$2,790.00
4	\$16,574.00
5	\$886.00
6	\$13,980.00
7	2,342.00
8	\$767,474.00 \$767,747.00
9	\$346,007.00
10	\$25,000.00
Total	\$1,252,353.00 ✓

Items 2, 3, 4, 5, 6 and 7 are associated with WUD 07-133 and total \$71,426.00
Items 8 and 9 are associated with WUD 07-018 and total \$1,113,481.00
Item 1 is mobilization and item 10 is an allowance.

Utilities personnel determined that the costs for items 1 through 7 and 10 were reasonable and that the costs for items 8 and 9 are in excess of the \$750,000 budget set for the WUD 07-018 related work. HEE met with Electron Corporation to analyze the bids and determine

Mr. Maurice Tobon, PE
Palm Beach County Water Utilities
WUD 07-133 and WUD 07-018 FP&L Load Control at SROC, CROC and 9S Regional
Pumping Facility and SRWRF Switchgear and Electrical System Reliability
Recommendation of Award

where cost reductions could be made to reduce the total bid amount. From those discussions, three means of cost savings were determined:

1. Change the generator terminal box enclosures from 316 Stainless Steel to 304 Stainless Steel with a powder coat finish.
2. Allow Eaton Electrical to perform the work currently sole sourced to GE in the documents.
3. The County will provide a medium voltage breaker to Electron to install in the existing Russelectric generator switchgear in lieu of Russelectric providing one with their scope of work.

The reduction in cost, related to the above determinations, for Bid Item 8 is \$119,296.82 and Bid Item 9 is \$32,754.44.

The revised bid amounts are as follows:

<u>Item</u>	<u>Amount</u>
1.	\$59,600.00
2	\$17,427.00
3	\$2,790.00
4	\$16,574.00
5	\$886.00
6	\$13,980.00
7	2,342.00
8	\$648,450.18
9	\$313,252.56
10	<u>\$25,000.00</u>
Total	\$1,100,301.74

The components of this bid are of a critical nature to the County as the FPL load control work is under a strict deadline with significant financial ramifications if the contract is not executed. The reliability components at SRWRF are critical in nature as there is the possibility of a single point failure in the electrical system that could severely interrupt plant operations if the contract is not awarded.

Based upon the information and analyses provided herein, we recommend the following:

1. Award of contract WUD 07-133 and WUD 07-018 FP&L Load Control at SROC, CROC and 9S Regional Pumping Facility and SRWRF Switchgear and Electrical System Reliability to Electron Corporation of South Florida.

Page 3

Mr. Maurice Tobon, PE

Palm Beach County Water Utilities

WUD 07-133 and WUD 07-018 FP&L Load Control at SROC, CROC and 9S Regional
Pumping Facility and SRWRF Switchgear and Electrical System Reliability
Recommendation of Award

Sincerely,



Mark E. Luther, PE
MEL/mel

Cc: Steve McGrew PBCWUD
Diana Rivera PBCWUD

JJ13/Misc/ Award Recommendation Letter.doc

Electron Corp. of S. Fla.
6421 Winding Lake Drive
Jupiter, Fl 33458

January 12, 2009

Palm Beach County
Water Utility Department
8100 Forest Hills Blvd.
West Palm Beach, Fl 33416
Att: Maurice Tobon, PE
Via Fax 561-740-4634

RE: FP&L Load Control @ SROC, CROC & 9S Regional Pumping Facility
SRWF Generator Switchgear & Electrical System Reliability Improvements

Dear Mr. Tobon:

I have attached a spread sheet detailing proposed deductions per each item along with a revised quote from Russelectric Inc. I will also enclose the revised schedule of bid prices with the deductions reflected in item bid number and the total. I have initialed each change and will deliver the original copy to you upon your request.

Please review the items and if you need any more information, then please feel free to call me.

Please feel free to call me should you have any questions via E mail Alaessig@aol.com

Sincerely,



Albert Laessig
President

cc Mark Luther, PE

SCHEDULE OF BID PRICES

Project No.: WUD 07-133 and WUD 07-018

Project Name: FP&L Load Control at SROC, CROC and 9S Regional Pumping
Facility and SRWRF Generator Switchgear and Electrical System Reliability
Improvements

Item No.	Description	Quantity	Unit	Unit Price	Extended Price
1	Mobilization WUD 07-133 & WUD 07-018	1	L.S.	\$ 59,600	\$ 59,600
2	Furnish and Install all work associated with Load Control at SROC (WTP 3) - WUD 07-133	1	L.S.	\$ 17,402.00	\$ 17,402.00
3	Furnish and Install Analog Telephone Cable (Section 016010) at SROC (WTP 3) - WUD 07-133	1	L.S.	\$ 2,790.00	\$ 2,790.00
4	Furnish and Install all work associated with Load Control at CROC - WUD 07-133	1	L.S.	\$ 16,574.00	\$ 16,574.00
5	Furnish and Install Analog Telephone cable (Section 016010) at CROC - WUD 07-133	1	L.S.	\$ 886.00	\$ 886.00
6	Furnish and Install all work associated with Load Control at Pump Station 9S - WUD 07-133	1	L.S.	\$ 19,980.00	\$ 19,980.00
7	Furnish and Install Analog Telephone Cable (Section 016010) at Pump Station 9S - WUD 07-133	1	L.S.	\$ 2,342.00 648,450.18	\$ 2,342.00 648,450.18
8	Furnish and Install all work associated with SRWRF Electrical Building - WUD 07-018	1	L.S.	\$ 313,252.56 313,252.56	\$ 313,252.56 313,252.56
9	Furnish and Install all work associated with SRWRF Effluent Pump Station - WUD 07-108	1	L.S.	\$ 25,000.00	\$ 25,000.00
10	Allowance (Section 01020) WUD 07-133 & WUD 07-018	1	L.S.	\$25,000.00	\$25,000.00

1,100,301.74

TOTAL PROJECTS WUD 07-133 and WUD 07-018
ITEMS 1 THROUGH 10, INCLUSIVE

~~1,100,301.74~~
~~1,100,301.74~~ (AC)

TOTAL PROJECTS WUD 07-133 and WUD 07-018 INCLUSIVE IN WORDS

~~ONE million one hundred and three thousand one hundred and one~~
~~One Million Three Hundred and One~~ (AC)
~~900,000.00~~ DOLLARS, AND ~~00~~ CENTS.

(Amounts are to be shown in both words and figures. In case of discrepancies, the amount shown in words will govern for each bid item and total base bid.)

This bid will be Lump Sum. The Bidder agrees to furnish and pay for all materials necessary to complete all the work in accordance with all requirements of the Contract Documents and in accordance with all applicable codes and governing regulations, within the time limit specified. Bidder assumes all costs, delays and risks associated with all conditions or occurrences which cause or might cause an increase in Bidder's cost to complete the Work or which cause or might cause delays in Bidder's prosecution of the Work.

Bid Item # 8

Item	Amount	Revised Quote	Savings
GE Replace With C Hammer	\$ 274,000.00	\$ 210,000.00	\$ 64,000.00
1 Terminal J Box 316 Verses 304	\$ 36,461.00	\$ 24,742.00	\$ 11,719.00
Russ electrical	\$ 277,124.00	\$ 251,744.00	\$ 25,380.00
Sub Total			\$ 101,099.00
Tax @ 6%			\$ 6,065.94
Bond @ 2%			\$ 2,021.98
Mark Up @ 10%			\$ 10,109.90
Total			\$ 119,296.82

Bld Item CH verses GE

Item	General Electrical	C Hammer	Savings
GE	\$ 343,170.00	\$ 320,000.00	\$ 23,170.00
Sub Total			\$ 23,170.00
Tax @ 6%			\$ 1,390.20
Bond @ 2%			\$ 463.40
Mark Up @ 10%			\$ 2,317.00
Total			\$ 27,340.60

Bld Item # 9

Item	Amount	Revised Quote	Savings
GE Replace With C Hammer	\$ 118,320.00	\$ 110,000.00	\$ 8,320.00
2 Terminal J Box 316 Verses 304	\$ 68,922.00	\$ 49,484.00	\$ 19,438.00
Sub Total			\$ 27,758.00
Tax @ 6%			\$ 1,665.48
Bond @ 2%			\$ 555.16
Mark Up @ 10%			\$ 2,775.80
Total			\$ 32,784.44



**Palm Beach County
Water Utilities
Department
Service Area (SA) and
Major Facilities**

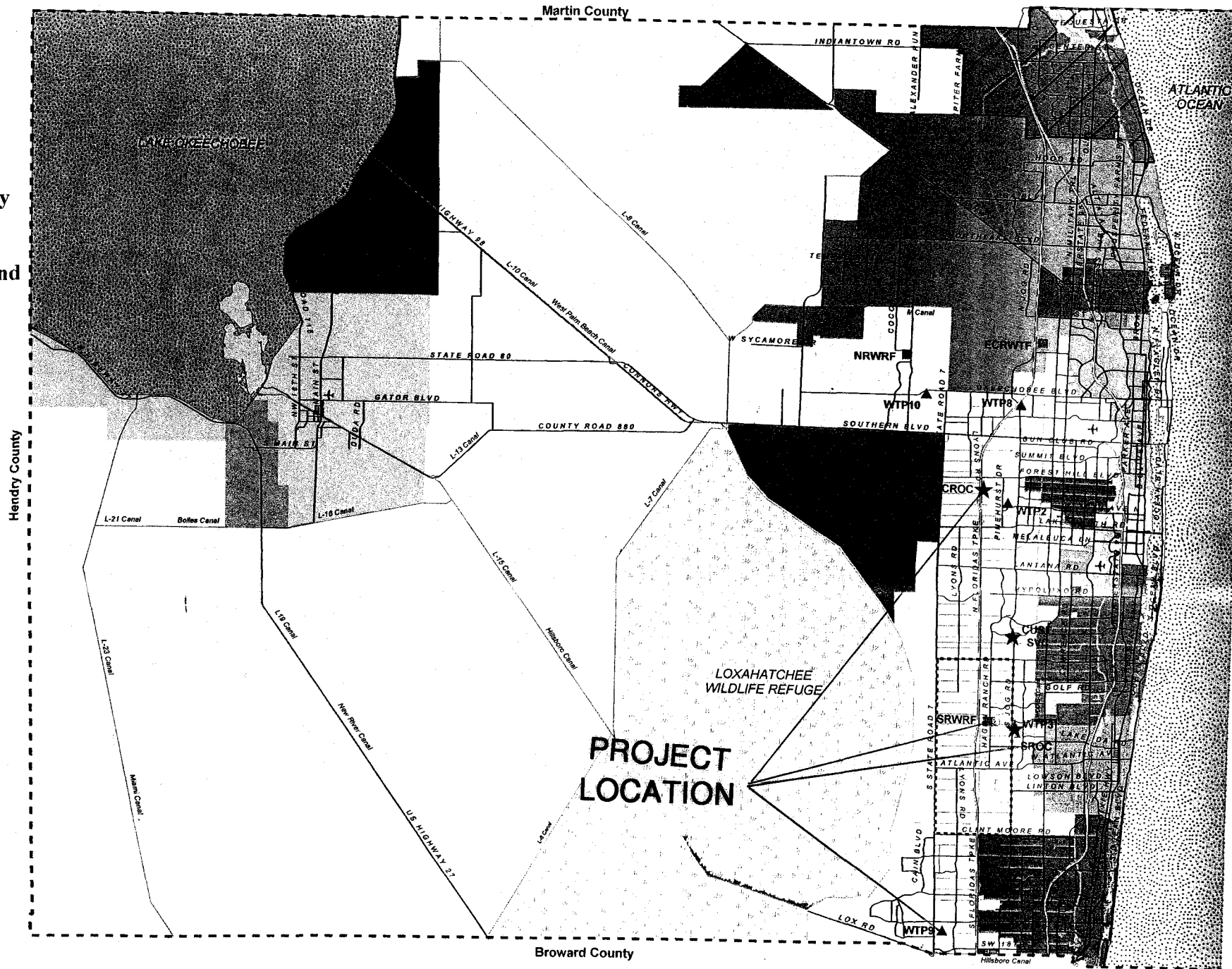
Attachment 3

Legend

- P.B.C.W.U.D. SA
- - - Mandatory Reclaimed SA
- - - Palm Beach County Limits
- ★ Administration
- Water Reclamation Facility
- ▲ Water Treatment Facility
- ⊗ Wetlands



NOT TO SCALE



Inter-Office Memorandum

Palm Beach County



Water Utilities Department

DATE: January 14, 2009 01-22-09 A10:52 IN

TO: Maurice Tobon, P.E. *MT*
Director of Engineering 01-14-09 P03:31 IN

FROM: Steve McGrew, P.E. *SMC*
Manager of Plant Design

RE: Notice of Award Recommendation
FP&L Load Control at SROC, CROC, and 9S Regional Pumping Facility and
SRWRF Generator Switchgear, and Electrical System Reliability Project
Project Nos. WUD 07-133 and 07-018

The bid opening for the above referenced project was held on Wednesday, December 17, 2008. One proposal was received. The Bid Tabulation is attached. The engineer's opinion of probable construction cost for the FP&L Load Control (WUD 07-133) was \$133,000 for Bid Item Numbers 1 through 7 & 10. The engineer's opinion of probable construction cost for the SRWRF Generator Switchgear (WUD 07-018) was \$750,000 for Bid Item Numbers 1, 8 through 10. The total bid estimate was \$883,000. The bidder has met the SBE goal. The bidder does have local preference. An evaluation of the bid is as follows:

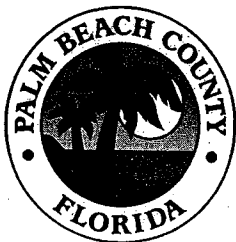
1. The Bid Form provided in the Contract Documents was properly executed.
2. Bid security equal to 5% of the total base bid was enclosed with the bid.
3. SBE-M/WBE Schedules #1 and #2 were provided. The contractor did meet the 15% SBE goal established under the SBE Ordinance, (see attached SBE-M/WBE compliance review).
4. The one (1) addendum was acknowledged.
5. The contractor holds a valid state contractor's license and has a regional business in Palm Beach County. A copy of the license information is included.
6. The estimated bid amount of \$883,000 was exceeded. The low bid was \$1,252,353.00. On January 7, 2008 a meeting was held with Hillers Electrical Engineering, Inc. which explained the difference in cost and is summarized in the attached letter dated January 13, 2008. Cost savings are recommended to be executed by change order reducing the total cost to approximately \$1,100,000.00.

The overall experience, qualifications, resources and references of the low bidder were carefully considered when evaluating the bids. A copy of the letter from the Hillers Electrical Engineering, Inc. recommending Electron Corporation of South Florida is also enclosed. Contract award is recommended to the lowest responsive, responsible bidder, Electron Corporation, in the amount not to exceed \$1,252,353.00, subject to formal approval by the Board of County Commissioners. A copy of this notice has been posted at the bid opening location and will be left there for a minimum of five (5) business days.

**PALM BEACH COUNTY WATER UTILITIES DEPARTMENT
 FPL LOAD CONTROL AT SROC, CROC, AND 9S REGIONAL PUMPING FACILITY AND
 SRWRF GENERATOR SWITCHGEAR AND ELECTRICAL SYSTEM RELIABILITY IMPROVEMENTS
 PROJECT # WUD 07-133 AND 07-018**

Bid Item	Description	Electron Corp of South Florida
1	Mobilization WUD 07-133 & WUD 07-018	\$59,600.00
2	Furnish and Install all work associated with Load Control at SROC (WTP 3) – WUD 07-133	\$17,427.00
3	Furnish and Install Analog Telephone Cable (Section 016010) at SROC (WTP 3) – WUD 07-133	\$2,790.00
4	Furnish and Install all work associated with Load Control at CROC – WUD 07-133	\$16,574.00
5	Furnish and Install Analog Telephone cable (Section 016010) at CROC – WUD 07-133	\$886.00
6	Furnish and Install all work associated with Load Control at Pump Station 9S – WUD 07-133	\$13,980.00
7	Furnish and Install Analog Telephone Cable (Section 016010) at Pump Station 9S – WUD 07-133	\$2,342.00
8	Furnish and Install all work associated with SRWRF Electrical Building - WUD 07-018	\$767,747.00
9	Furnish and Install all work associated with SRWRF Effluent Pump Station - WUD 07-108	\$346,007.00
10	Allowance (Section 01020) WUD 07-133 & WUD 07-018	25,000.00
Total Base Bid Amount		\$1,252,353.00
Total Base Bid With Bid Alternate		\$1,252,353.00

B.2



Office of
Small Business Assistance

50 South Military Trail,
Suite 209

West Palm Beach, FL 33415

(561) 616-6840

FAX: (561) 616-6850

www.pbcgov.com/osba

Palm Beach County
Board of County
Commissioners

Jeff Koons, Chairman

Burt Aaronson, Vice Chairman

Karen T. Marcus

Shelley Vana

Mary McCarty

Jess F. Santamaria

Addie L. Greene

County Administrator

Robert Weisman, P.E.



"An Equal Opportunity
Affirmative Action Employer"

DATE: January 8, 2009

TO: Tish Fox
Engineering Division

THROUGH: Allen Gray - Manger, Palm Beach County Office of
Small Business Assistance *Allen Gray*

FROM: Tanoy Williams, Compliance Specialist II *TW*

SUBJECT: Compliance Review on Project No. WUD 07-133 and
WUD 07-018 FP&L Load Control at SROC, CROC and
9S Regional Pumping Facility and SRWRF Generator
Switchgear and Electrical System Reliability
Improvements

The following is a Compliance Review of SBE participation
on the above-mentioned project.

SOLE BIDDER:	ELECTRON CORPORATION OF SOUTH FLORIDA
	6421 Winding Lake Drive
	Jupiter, FL 33458
Phone:	561-744-1388
Bid Opening:	December 17, 2008
Bid Amount:	\$1,252,353.00
Goal:	15% Overall
Goal Achieved:	100%

SBE Participation:

(SB) Electron Corp	\$1,252,353.00	100%
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EVALUATION

The sole bidder, **ELECTRON CORPORATION OF SOUTH FLORIDA**, has
met the SBE goal for this project.

c: Tammy Fields, Assistant County Attorney
File



HILLERS ELECTRICAL ENGINEERING, INC.

January 13, 2009

Mr. Maurice Tobon, P.E
Director of Engineering
Palm Beach County Water Utilities
8100 Forest Hill Blvd
West Palm Beach, FL. 33416

Subject: Project No. WUD 07-133 and WUD 07-018 FP&L Load Control at SROC, CROC and 9S Regional Pumping Facility and SRWRF Switchgear and Electrical System Reliability Improvements Recommendation of Award

Dear Maurice:

On December 17th 2007, the County opened sealed bids for the above referenced projects. Hillers Electrical Engineering has reviewed the detailed bid tabulations provided by the County and the following information is provided relative to the evaluation of the bids.

Electron Corporation of South Florida was the lone bidder for the project. Both Edwards Electric and Energy Efficient Electric, identified as other potential bidders during the bid period, indicated that they were busy bidding other projects and were not able to devote time to this bid to be competitive.

There were 10 items in the bid tabulation to which the bidder responded:

<u>Item</u>	<u>Amount</u>
1	\$59,600.00
2	\$17,427.00
3	\$2,790.00
4	\$16,574.00
5	\$886.00
6	\$13,980.00
7	2,342.00
8	\$767,474.00
9	\$346,007.00
10	<u>\$25,000.00</u>
Total	\$1,252,353.00

Items 2, 3, 4, 5, 6 and 7 are associated with WUD 07-133 and total \$71,426.00

Items 8 and 9 are associated with WUD 07-018 and total \$1,113,481.00

Item 1 is mobilization and item 10 is an allowance.

Utilities personnel determined that the costs for items 1 through 7 and 10 were reasonable and that the costs for items 8 and 9 are in excess of the \$750,000 budget set for the WUD 07-018 related work. HEE met with Electron Corporation to analyze the bids and determine

Mr. Maurice Tobon, PE

Palm Beach County Water Utilities

WUD 07-133 and WUD 07-018 FP&L Load Control at SROC, CROC and 9S Regional

Pumping Facility and SRWRF Switchgear and Electrical System Reliability

Recommendation of Award

where cost reductions could be made to reduce the total bid amount. From those discussions, three means of cost savings were determined:

1. Change the generator terminal box enclosures from 316 Stainless Steel to 304 Stainless Steel with a powder coat finish.
2. Allow Eaton Electrical to perform the work currently sole sourced to GE in the documents.
3. The County will provide a medium voltage breaker to Electron to install in the existing Russelectric generator switchgear in lieu of Russelectric providing one with their scope of work.

The reduction in cost, related to the above determinations, for Bid Item 8 is \$119,296.82 and Bid Item 9 is \$32,754.44.

The revised bid amounts are as follows:

<u>Item</u>	<u>Amount</u>
1	\$59,600.00
2	\$17,427.00
3	\$2,790.00
4	\$16,574.00
5	\$886.00
6	\$13,980.00
7	2,342.00
8	\$648,450.18
9	\$313,252.56
10	<u>\$25,000.00</u>
Total	\$1,100,301.74

The components of this bid are of a critical nature to the County as the FPL load control work is under a strict deadline with significant financial ramifications if the contract is not executed. The reliability components at SRWRF are critical in nature as there is the possibility of a single point failure in the electrical system that could severely interrupt plant operations if the contract is not awarded.

Based upon the information and analyses provided herein, we recommend the following:

1. Award of contract WUD 07-133 and WUD 07-018 FP&L Load Control at SROC, CROC and 9S Regional Pumping Facility and SRWRF Switchgear and Electrical System Reliability to Electron Corporation of South Florida.

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Mr. Maurice Tobon, PE

Palm Beach County Water Utilities

WUD 07-133 and WUD 07-018 FP&L Load Control at SROC, CROC and 9S Regional

Pumping Facility and SRWRF Switchgear and Electrical System Reliability

Recommendation of Award

Sincerely,



Mark E. Luther, PE

MEL/mel

Cc: Steve McGrew PBCWUD
Diana Rivera PBCWUD

JJ13/Misc/ Award Recommendation Letter.doc

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Certification Detail

Certification Number:	EC0002765	Status	Active
Contractor:	LAESSIG, ALBERT		
Company Name:	ELECTRON CORP OF SOUTH FLORIDA		
Address:	6421 WINDING LAKE DR JUPITER, FL 33458		
Phone:	(561) 744-1388		
Class of Business:	ELECTRICAL		
	Date	Status	
Expiration:	08/31/2010	Active	
Insurance:	12/01/2009	Active	
Bond:			
Worker's Comp:	12/01/2009	Active	

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FLORIDA DEPARTMENT OF STATE DIVISION OF CORPORATIONS



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Florida Profit Corporation

ELECTRON CORP. OF SOUTH FLORIDA

Filing Information

Document Number P93000077753
FEI Number 650447449
Date Filed 11/03/1993
State FL
Status ACTIVE

Principal Address

6421 WINDING LAKE DRIVE
JUPITER FL 33458 US

Changed 02/12/1996

Mailing Address

6421 WINDING LAKE DRIVE
JUPITER FL 33458 US

Changed 02/12/1996

Registered Agent Name & Address

LAESSIG, ALBERT
6421 WINDING LAKE DRIVE
JUPITER FL 33458 US

Name Changed: 08/10/1994

Address Changed: 02/12/1996

Officer/Director Detail

Name & Address

Title CPST

LAESSIG, ALBERT
6421 WINDING LAKE DRIVE
JUPITER FL

Title S

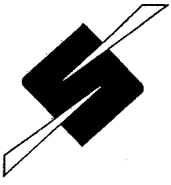
LAESSIG, KATHY
6421 WINDING LAKE DRIVE
JUPITER FL

Annual Reports

Report Year Filed Date

2007	01/11/2007
2008	01/09/2008
2009	01/11/2009

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MEMORANDUM

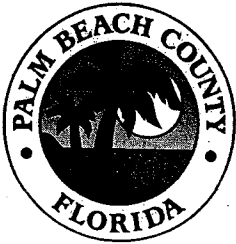
DATE: Revised October 14, 2008
TO: Tom Uram/PBCWUD FAX: 561/493-6008
COPY:
FROM: Bart Ziegler/SED
RE: PBC System Wide WFE, WUD 08-051
System No. ASR Pump Modifications

Southeast is pleased to provide the following proposal to provide a SS VTP modification to the existing ASR pump system. Our proposal is as follows:

1. Provide a 316 SS Vertical Turbine Pump surface discharge head (16"x8"), top shaft and stuffing box to adapt to the existing ASR wellhead.
2. 100 horse power vertical hollow shaft inverter duty motor
3. 60 feet of 316 SS 8" threaded column (used), 60 ft of new 316 SS shaft, and new bearings
4. Modify existing Afton pump from submersible to vertical turbine. Modify suction, shaft and replace discharge head. These parts will come from an existing Afton pump we have that is not being used.
5. Modification of electrical junction box at wellhead if necessary
6. Any VFD reprogramming is excluded.
7. Proposal assumes well remains killed until installation is complete.
8. Installation of the pump, column and wellhead is estimated at 6 weeks. We are waiting on motor delivery confirmation.

Total lump sum amount \$114,300.00

Please provide a new work authorization for this work. Note the pump has been removed and is currently being modified in the shop. Should you have any questions give me a call at (561) 493-9832, FAX 561/493-5140.



Office of Small Business Assistance

50 South Military Trail, Suite 209
West Palm Beach, FL 33415
(561) 616-6840
FAX: (561) 616-6850
www.pbcgov.com/osba

Palm Beach County Board of County Commissioners

- Jeff Koons, Chairman
Burt Aaronson, Vice Chairman
Karen T. Marcus
Shelley Vana
Mary McCarty
Jess F. Santamaria
Addie L. Greene

County Administrator

Robert Weisman, P.E.



"An Equal Opportunity Affirmative Action Employer"

DATE: January 8, 2009
TO: Tish Fox
Engineering Division
THROUGH: Allen Gray - Manger, Palm Beach County Office of Small Business Assistance
FROM: Tanoy Williams, Compliance Specialist II
SUBJECT: Compliance Review on Project No. WUD 07-133 and WUD 07-018 FP&L Load Control at SROC, CROC and 9S Regional Pumping Facility and SRWRF Generator Switchgear and Electrical System Reliability Improvements

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Table with 3 columns: SBE Participation, Amount, Percentage. Row: Electron Corp, \$1,252,353.00, 100%

EVALUATION

The sole bidder, ELECTRON CORPORATION OF SOUTH FLORIDA, has met the SBE goal for this project.

c: Tammy Fields, Assistant County Attorney
File