



**REDACTED**

Maria J. Moncada  
Senior Attorney  
Florida Power & Light Company  
700 Universe Boulevard  
Juno Beach, FL 33408-0420  
(561) 304-5795  
(561) 691-7135 (Facsimile)  
E-mail: maria.moncada@fpl.com

July 1, 2016

**VIA HAND DELIVERY**

Ms. Carlotta S. Stauffer  
Division of the Commission Clerk and Administrative Services  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850

RECEIVED-FPSC  
2016 JUL -1 PM 1:45  
COMMISSION  
CLERK

**Re: Docket Nos. 160021-EI, 160061-EI, 160062-EI, 160088-EI**

Dear Ms. Stauffer:

I enclose for filing in the above docket Florida Power & Light Company's ("FPL's") Third Request for Confidential Classification of information provided in response to discovery. The request includes Exhibits A, B (two copies), C and D.

Exhibit A consists of the confidential documents, and all the information that FPL asserts is entitled to confidential treatment has been highlighted. Exhibit B is an edited version of Exhibit A, in which the information FPL asserts is confidential has been redacted. Exhibit C is a justification table in support of FPL's Request for Confidential Classification. Exhibit D contains the declarations in support of FPL's request.

Please contact me if you or your Staff has any questions regarding this filing.

Sincerely,  
  
Maria J. Moncada

Enclosure

cc: Counsel for Parties of Record (w/ copy of FPL's Request for Confidential Classification)

COM \_\_\_\_\_  
AFD   1    
APA \_\_\_\_\_  
ECO \_\_\_\_\_  
ENG \_\_\_\_\_  
GCL \_\_\_\_\_  
IDM \_\_\_\_\_  
TEL \_\_\_\_\_  
CLK \_\_\_\_\_

**BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

In re: Petition for rate increase by Florida Power & Light Company	Docket No. 160021-EI
In re: Petition for approval of 2016-2018 storm hardening plan, by Florida Power & Light Company	Docket No. 160061-EI
In re: 2016 depreciation and dismantlement study by Florida Power & Light Company	Docket No. 160062-EI
In re: Petition for limited proceeding to modify and continue incentive mechanism by Florida Power & Light Company	Docket No. 160088-EI Filed: July 1, 2016

**FLORIDA POWER & LIGHT COMPANY'S  
THIRD REQUEST FOR CONFIDENTIAL CLASSIFICATION**

Pursuant to Section 366.093, Florida Statutes, and Rule 25-22.006, Florida Administrative Code, Florida Power & Light Company ("FPL") requests confidential classification of certain information provided in response to discovery requests ("Confidential Discovery Responses") propounded by the Staff of the Florida Public Service Commission ("Staff") and Office of Public Counsel ("OPC"). In support of its Request, FPL states as follows:

1. On June 29, 2016, Staff requested that FPL file the following discovery responses, which contain confidential information:

- FIPUG's Third Set of Interrogatories, No. 69;
- OPC's Fourth Set of Interrogatories, Nos. 145 (on CD) and 149 (on CD);
- OPC's Eleventh Set of Interrogatories, Nos. 294 and 294;
- Staff's Third Set of Interrogatories, No. 114 (on CD); and
- Staff's Seventeenth Set of Interrogatories, Nos. 295 and 301 (on CD).

2. The following exhibits are included with and made a part of this request:

a. Exhibit A consists of a copy of the Confidential Discovery Responses on which all information that FPL asserts is entitled to confidential treatment is highlighted. Pursuant to Staff's request, discovery responses produced in Microsoft Excel format are being provided in their native format on a CD attached hereto (which is also part of Exhibit A).

b. Exhibit B consists of an edited version of the Confidential Discovery Responses on which all information that FPL asserts is entitled to confidential treatment is redacted. Where responsive documents are confidential in their entirety, FPL has included only the identifying cover pages in Exhibit B.

c. Exhibit C is a table containing an identification of the information highlighted in Exhibit A by page and line and a brief description of the Confidential Information. Exhibit C also references the specific statutory bases for the claim of confidentiality and identifies the declarant who supports of the requested classification.

d. Exhibit D contains the declarations of Matt Belger, Sam Forrest, Mitchell P. Goldstein and Donald Hires in support of this Request.

3. FPL submits that the highlighted information in Exhibit A is proprietary confidential business information within the meaning of Section 366.093(3), Florida Statutes. This information is intended to be and is treated by FPL as private, and its confidentiality has been maintained. Pursuant to Section 366.093, such information is entitled to confidential treatment and is exempt from the disclosure provisions of the public records law. Thus, once the Commission determined that the information in question is proprietary confidential business information, the Commission is not required to engage in any further analysis or review such as weighing the harm of disclosure against the public interest in access to the information.

4. As described more fully in the declarations included as Exhibit D, certain Confidential Discovery Responses provided by FPL contain information concerning bids or other contractual data, the disclosure of which would impair the efforts of FPL or its vendors to contract for goods or services on favorable terms. This information is protected by Section 366.093(3)(d), Fla. Stat.

5. Also, certain information relates to competitive interests, the disclosure of which would impair the competitive business of the provider of the information. This information is protected by Section 366.093(3)(e), Fla. Stat.

6. Additionally, certain documents contain competitively sensitive information related to certain employees' compensation. Public disclosure of compensation information for particular positions would enable competing employers to meet or beat the compensation offered by FPL, resulting in the loss of talented employees, or conversely, the need to increase the level of compensation already paid in order to retain these employees and attract new talent. The quality of service and the cost of service implications would be detrimental to FPL and its customers. This information is protected by Section 366.093(3)(e), Fla. Stat.

7. Upon a finding by the Commission that the Confidential Information remains proprietary and confidential business information, the information should not be declassified for at least an additional eighteen (18) month period and should be returned to FPL as soon as it is no longer necessary for the Commission to conduct its business. *See* § 366.093(4), Fla. Stat.

**WHEREFORE**, for the above and foregoing reasons, as more fully set forth in the supporting materials and declarations included herewith, Florida Power & Light Company

respectfully requests that its Request for Confidential Classification be granted.

Respectfully submitted,

John T. Butler  
Assistant General Counsel - Regulatory  
Maria J. Moncada  
Senior Attorney  
Florida Power & Light Company  
700 Universe Boulevard  
Juno Beach, FL 33408  
Telephone: (561) 304-5795  
Facsimile: (561) 691-7135  
Email: maria.moncada@fpl.com

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

  
Maria J. Moncada  
Florida Bar No. 0773301

**CERTIFICATE OF SERVICE**

I **HEREBY CERTIFY** that a true and correct copy of the foregoing Request for Confidential Classification has been furnished by electronic mail this 1st day of July 2016 to the following parties:

Suzanne Brownless  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399-1400  
sbrownle@psc.state.fl.us  
**Office of the General Counsel  
Florida Public Service Commission**

Jon C. Moyle, Jr.  
Karen A. Putnal  
Moyle Law Firm, PA  
118 North Gadsden Street  
Tallahassee, FL 32301  
jmoyle@moylelaw.com  
kputnal@moylelaw.com  
**Attorneys for Florida Industrial  
Power Users Group**

Kenneth L. Wiseman  
Mark F. Sundback  
William M. Rappolt  
Kevin C. Siqveland  
Andrews Kurth LLP  
1350 I Street NW, Suite 1100  
Washington, D.C. 20005  
kwiseman@andrewskurth.com  
msundback@andrewskurth.com  
wrappolt@andrewskurth.com  
ksiqveland@andrewskurth.com  
**Attorneys for South Florida Hospital  
and Healthcare Association**

J. R. Kelly, Public Counsel  
Patricia A. Christensen, Lead Counsel  
Charles J. Rehwinkel  
Erik Sayler  
Tricia Merchant  
Stephanie Morse  
Office of Public Counsel  
c/o The Florida Legislature  
111 West Madison Street, Room 812  
Tallahassee, FL 32399-1400  
Kelly.jr@leg.state.fl.us  
Christensen.Patty@leg.state.fl.us  
Rehwinkel.Charles@leg.state.fl.us  
sayler.erik@leg.state.fl.us  
merchant.tricia@leg.state.fl.us  
morse.stephanie@leg.state.fl.us  
**Attorneys for the Citizens  
of the State of Florida**

Stephanie U. Roberts  
Spilman Thomas & Battle, PLLC  
110 Oakwood Drive, Suite 500  
Winston-Salem, NC 27103  
sroberts@spilmanlaw.com

Derrick P. Williamson  
Spilman Thomas & Battle, PLLC  
1100 Bent Creek Boulevard, Suite 101  
Mechanicsburg, PA 17050  
dwilliamson@spilmanlaw.com  
**Attorneys for Wal-Mart Stores East, LP and  
Sam's East, Inc. (Walmart)**

Federal Executive Agencies  
Thomas A. Jernigan  
AFCEC/JA-ULFSC  
139 Barnes Drive, Suite 1  
Tyndall Air Force Base, FL 32403  
Thomas.Jernigan.3@us.af.mil  
**Attorney for the Federal Executive  
Agencies**

Robert Scheffel Wright  
John T. Lavia, III  
Gardner, Bist, Bowden, Bush, Dee, LaVia  
& Wright, P.A.  
1300 Thomaswood Drive  
Tallahassee, FL 32308  
schef@gbwlegal.com  
jlavia@gbwlegal.com  
**Attorneys for the Florida Retail  
Federation**

Jack McRay, Advocacy Manager  
AARP Florida  
200 W. College Ave., #304  
Tallahassee, FL 32301  
jmcray@aarp.org

John B. Coffman  
John B. Coffman, LLC  
871 Tuxedo Blvd.  
St. Louis, MO 63119-2044  
john@johncoffman.net  
**Attorney for AARP**

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



Maria J. Moncada  
Florida Bar No. 0773301

\* The exhibits to this Request are not included with the service copies, but copies of Exhibits B, C and D are available upon request.

**EXHIBIT A**

**CONFIDENTIAL**

**FILED UNDER SEPARATE COVER**



**EXHIBIT B**

**REDACTED COPIES**

**FPL's response to  
FIPUG's 3<sup>rd</sup> Request for Interrogatory No. 69  
Attachment No. 1  
Bates No. FIPUG 000809  
is confidential in its entirety**

WBS	Description	Schedule	Description	UF	Quant	Unit	Matl Dollars	Hours	\$/Hour	Material	Labor	Total	Man Hours	Notes	2013	2014	2015	2016	2017
<b>Engineering X.1</b>																			
Conceptual study design x.1.1																			
X.1.1	FPL NPE	5.8%			1	man				\$0	\$0	\$0							
X.1.1	NPE Contractor 120	5.8%	2013 Scoops		1	man				\$10,818	\$10,818	\$10,818			\$10,818				
X.1.1	A&E Contractor 140	5.8%			1	man				\$0	\$0	\$0							
Engineering design (EC) x.1.2																			
X.1.2	FPL NPE	5.8%	Overnight		1	man				\$150,000	\$150,000	\$150,000			\$48,000	\$48,000	\$48,000	\$18,000	
X.1.2	NPE Contractor 120	5.8%			1	man				\$0	\$0	\$0							
X.1.2	A&E Contractor 140	5.8%	Emercon EC 279422 Incident detectors Jan 16 finish		1	man				\$286,000	\$286,000	\$286,000			\$212,600	\$26,600	\$26,600	\$26,600	
X.1.2	A&E Contractor 140	5.8%	Emercon EC 279423 Cabinet detection sys Jan 16 finish		1	man				\$336,000	\$336,000	\$336,000			\$268,600	\$33,600	\$33,600	\$33,600	
X.1.2	FPL Engineering Management	5.8%			1	man				\$0	\$0	\$0							
X.1.2	Travel & Misc. Expenses	5.8%	Travel		1	man				\$0	\$0	\$0							
Procurement Spec x.1.3																			
X.1.3	FPL NPE	5.8%			1	man				\$0	\$0	\$0							
X.1.3	NPE Contractor 120	5.8%			1	man				\$0	\$0	\$0							
X.1.3	A&E Contractor 140	5.8%			1	man				\$0	\$0	\$0							
Bill of Materials x.1.4																			
X.1.4	FPL NPE	5.8%			1	man				\$0	\$0	\$0							
X.1.4	NPE Contractor 120	5.8%			1	man				\$0	\$0	\$0							
X.1.4	A&E Contractor 140	5.8%			1	man				\$0	\$0	\$0							
Drawing Updates x.1.5																			
X.1.5	FPL NPE	5.8%			1	man				\$0	\$0	\$0							
X.1.5	NPE Contractor 120	5.8%			1	man				\$0	\$0	\$0							
X.1.5	A&E Contractor 140	5.8%			1	man				\$0	\$0	\$0							
Calculations x.1.6																			
X.1.6	FPL NPE	5.8%			1	man				\$0	\$0	\$0							
X.1.6	NPE Contractor 120	5.8%			1	man				\$0	\$0	\$0							
X.1.6	A&E Contractor 140	5.8%			1	man				\$0	\$0	\$0							
Procedure Development x.1.7																			
X.1.7	Contractor 090	5.8%	Procedure Writer		1	man				\$5,400	\$5,400	\$5,400							
X.1.7	Contractor 100	5.8%	Test Coordinator (PTPa)		1	man				\$0	\$0	\$0						\$5,400	
Closure x.1.8																			
X.1.8	Contractor 110	5.8%	As Built Drawing Updates		1	man				\$13,200	\$13,200	\$13,200							\$13,200
X.1.2	NPE Contractor 120	5.8%			1	man				\$0	\$0	\$0							
X.1.2	FPL NPE	5.8%			1	man				\$0	\$0	\$0							
X.1.2	Contractor_130	5.8%			1	man				\$0	\$0	\$0							
X.1.2	A&E Fee at Risk contractor	5.8%			1	man				\$48,160	\$48,160	\$48,160						\$28,686	\$19,284
<b>Engineering Total</b>										\$439,578	\$839,578	\$839,578	5,480		\$10,818	\$48,000	\$529,600	\$142,496	\$108,664
<b>Material X.2</b>																			
Material under PO x.2.1																			
X.2.1	Bulk Material		Smoke detectors		24	ea	\$	120		\$2,520	\$2,520	\$2,520							\$2,520
X.2.1	Bulk Material		Upgrade/replace local fire detection panel		1	ea	\$	25,000		\$25,000	\$25,000	\$25,000							\$25,000
X.2.1	Bulk Material		Incipient detection panel & tubing		1	ea	\$	40,000		\$40,000	\$40,000	\$40,000							\$40,000
X.2.1	Bulk Material				1	ea	\$	-		\$0	\$0	\$0							
X.2.1	Bulk Material				1	ea	\$	-		\$0	\$0	\$0							
X.2.1	Bulk Material		Cable various		1,000	LF	\$	5		\$5,000	\$5,000	\$5,000							\$5,000
X.2.1	Bulk Material				1	ea	\$	-		\$0	\$0	\$0							
X.2.1	Non-Rad waste Disposal		Conduit supports & splice box's		1	ls	\$	1,200		\$1,200	\$1,200	\$1,200							\$1,200
DME for O&M Projects x.2.1.2																			
X.2.1.4	Dormant Materials				1	ls	\$	-		\$0	\$0	\$0							
X.2.1.4	Dormant Materials				1	ls	\$	-		\$0	\$0	\$0							
X.2.1.4	Dormant Materials				1	ls	\$	-		\$0	\$0	\$0							
Rental Equipment x.2.2																			
X.2.2	Office Trailers				1	ls	\$	-		\$0	\$0	\$0							
X.2.2	Heavy Equipment				1	ls	\$	-		\$0	\$0	\$0							
X.2.1	Bulk Material		Consumables		1	ls	\$	-		\$19,160	\$19,160	\$19,160							\$19,160
<b>Material Total</b>										\$92,886	\$92,886	\$92,886			\$0	\$0	\$0	\$0	\$19,160
<b>DME for Capital Projects</b>																			
X.2.1.4	Dormant Materials				1	ls	\$	-		\$0	\$0	\$0							
X.2.1.4	Dormant Materials				1	ls	\$	-		\$0	\$0	\$0							
X.2.1.4	Dormant Materials				1	ls	\$	-		\$0	\$0	\$0							
X.2.1.4	Dormant Materials				1	ls	\$	-		\$0	\$0	\$0							
<b>DME Total</b>										\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

WBS	Description	Schedule	Description	UF	Quant	Unit	Mat'l Dollars	Hours	\$ / Hour	Material	Labor	Total	Man Hours	Notes	2013	2014	2015	2016	2017	
<b>Implementation X3</b>																				
RP Support x3.1																				
X3.1	NCE Supervisor	5.8%		1	1	men				\$0	\$0									
X3.1	ALARA Engineer	5.8%	HP-ALARA eng	1	1	men				\$0	\$0									
X3.1	HP-Contractor Sr	5.8%		1	1	men				\$0	\$0									
X3.1	HP-Contractor - Decon Tech	5.8%		1	1	men				\$0	\$0									
X3.1	Rad Waste Disposal	5.8%	Estimate weight in lb's	1	1	lb				\$0	\$0									
Work order planning - Package development x3.2																				
X3.2	FPL	5.8%		1	1	men				\$0	\$0									
X3.2	Contractor_110	5.8%		1	1	men				\$0	\$0									
X3.2	Contractor_080	5.8%	Write packages for 2 EC's	1	1	men				\$32,000	\$32,000							\$19,200	\$12,800	
In-Processing x3.3																				
X3.3	Craft - Boilermaker	5.8%		1	0	men				\$0	\$0									
X3.3	Craft - Carpenter	5.8%		1	0	men				\$0	\$0									
X3.3	Craft - Electrician	5.8%	SL2-23	1	8	men	\$41,927			\$41,927	\$41,927								\$11,927	
X3.3	Craft - Insulator	5.8%		1	0	men				\$0	\$0									
X3.3	Craft - Iron Worker	5.8%		1	0	men				\$0	\$0									
X3.3	Craft - Laborer	5.8%		1	2	men	\$2,706			\$2,706	\$2,706								\$2,706	
X3.3	Craft - Operating Engineer	5.8%		1	0	men				\$0	\$0									
X3.3	Craft - Pipefitter	5.8%		1	0	men				\$0	\$0									
X3.3	Craft - Sheet Metal Worker	5.8%		1	0	men				\$0	\$0									
X3.3	Craft - Teamster	5.8%		1	0	men				\$0	\$0									
Training, Qualifications & Mock-up x3.4																				
X3.4	Craft - Electrician	5.8%	Training	1	1	men				\$0	\$0									
X3.4	Craft - Pipefitter	5.8%	Training	1	1	men				\$0	\$0									
X3.4	Contractor_110	5.8%	Mock-up	1	1	men				\$0	\$0									
Field construction x3.5																				
Stop Job X 3.5.1																				
X3.5	Craft - Laborer	5.8%		1	1	men				\$0	\$0									
X3.5	Craft - Pipefitter	5.8%		1	1	men				\$0	\$0									
X3.5	Craft - Pipefitter	5.8%		1	1	men				\$0	\$0									
X3.5	Craft - Insulator (Asbestos)	5.8%		1	1	men				\$0	\$0									
X3.5	Craft - Pipefitter	5.8%		1	1	men				\$0	\$0									
X3.5	Craft - Insulator	5.8%		1	1	men				\$0	\$0									
X3.5	Craft - Insulator	5.8%		1	1	men				\$0	\$0									
Pre Implementation X 3.5.2																				
X3.5	Craft - Insulator	5.8%		1	1	men				\$0	\$0									
X3.5	Craft - Pipefitter	5.8%		1	1	men				\$0	\$0									
X3.5	Craft - Pipefitter	5.8%		1	1	men				\$0	\$0									
X3.5	Craft - Pipefitter	5.8%		1	1	men				\$0	\$0									
X3.5	Craft - Pipefitter	5.8%		1	1	men				\$0	\$0									
X3.5	Craft - Insulator	5.8%		1	1	men				\$0	\$0									
X3.5	Craft - Insulator	5.8%		1	1	men				\$0	\$0									
Implementation X 3.5.3																				
X3.5	Craft - Pipefitter	5.8%		1	1	men				\$0	\$0									
X3.5	Craft - Pipefitter	5.8%		1	1	men				\$0	\$0									
X3.5	Craft - Pipefitter	5.8%		1	1	men				\$0	\$0									
X3.5	Craft - Electrician	7.10%	EC279422 SL2-23	1	1	men				\$0	\$0									
X3.5	Craft - Electrician	7.10%	Ann logic cab - to have incipient detection sys (vendor add sys)	1	1	men				\$0	\$0									
X3.5	Craft - Electrician	7.10%	Install incipient detection panel (Location TBD)	1	2	men	\$3,107			\$3,107	\$3,107								\$3,107	
X3.5	Craft - Electrician	7.10%	Install supports and conduit for power supply	1	2	men	\$2,486			\$2,486	\$2,486								\$2,486	
X3.5	Craft - Electrician	7.10%	Pull and connect cable power supply	1	2	men	\$2,486			\$2,486	\$2,486								\$2,486	
X3.5	Craft - Pipefitter	7.10%	Run piping for air sampling (verify tubing is required)	1	4	men	\$23,754			\$23,754	\$23,754								\$23,754	
X3.5	Contractor_090	7.10%	Vendor support incipient detection sys	1	2	men	\$9,000			\$9,000	\$9,000								\$9,000	
X3.5	Craft - Electrician	5.8%	Run conduit & supports to local fire detection panel	1	2	men	\$11,927			\$11,927	\$11,927								\$11,927	
X3.5	Craft - Pipefitter	5.8%	Location of panel TBD allowance for piping tubing as required	1	2	men	\$9,064			\$9,064	\$9,064								\$9,064	
X3.5	Craft - Electrician	7.10%	EC279423 SL2-23	1	1	men				\$0	\$0									
X3.5	Craft - Electrician	7.10%	Install in cabinet detection sys to the following panels	1	1	men				\$0	\$0									
X3.5	Craft - Electrician	7.10%	1E Iso cab SAB, 1E Iso cab #2, Vital AC suprs inverter, 1E Iso cab #1, & 240 v rx trip swgr.	1	1	men				\$0	\$0									
X3.5	Craft - Electrician	7.10%		1	1	men				\$0	\$0									
X3.5	Craft - Electrician	7.10%		1	1	men				\$0	\$0									
X3.5	Craft - Electrician	7.10%	1E Iso cab SAB,	1	1	men				\$0	\$0									
X3.5	Craft - Electrician	7.10%	Install smoke detector inverter	1	2	men	\$1,243			\$1,243	\$1,243								\$1,243	
X3.5	Craft - Electrician	7.10%	Run conduits/supports to common terminal box	1	2	men	\$12,428			\$12,428	\$12,428								\$12,428	
X3.5	Craft - Electrician	7.10%	Tie in conduits to all panels	1	2	men	\$3,728			\$3,728	\$3,728								\$3,728	
X3.5	Craft - Electrician	7.10%	Pull cables	1	2	men	\$3,728			\$3,728	\$3,728								\$3,728	
X3.5	Craft - Electrician	7.10%	Terminations	1	2	men	\$2,486			\$2,486	\$2,486								\$2,486	
X3.5	Craft - Electrician	7.10%	1E Iso cab #2, & 1E Iso cab #1,	1	1	men				\$0	\$0									
X3.5	Craft - Electrician	7.10%	Install smoke detector on each Iso cabinet	1	2	men	\$2,486			\$2,486	\$2,486								\$2,486	
X3.5	Craft - Electrician	7.10%	Run conduits/supports to common terminal box	1	2	men	\$18,156			\$18,156	\$18,156								\$18,156	
X3.5	Craft - Electrician	7.10%	Tie in conduits to all panels	1	2	men	\$3,728			\$3,728	\$3,728								\$3,728	
X3.5	Craft - Electrician	7.10%	Pull cables	1	2	men	\$3,728			\$3,728	\$3,728								\$3,728	
X3.5	Craft - Electrician	7.10%	Terminations	1	2	men	\$2,486			\$2,486	\$2,486								\$2,486	
X3.5	Craft - Electrician	6.10%		1	1	men				\$0	\$0									
X3.5	Craft - Electrician	6.10%	Vital AC SUPRS Inverter	1	1	men				\$0	\$0									
X3.5	Craft - Electrician	7.10%	Install smoke detector on each Iso cabinet	1	2	men	\$1,243			\$1,243	\$1,243									\$1,243

Detail Sheet													Cash Flow						
EST #	Job Description	U2	Electrical upgrade NFPA - 406 SL2-23										2013	2014	2015	2016	2017		
WBS	Description	Schedule	Description	U1	Quan	Unit	Rate/Dollars	Hours	\$ / Hour	Material	Labor	Total	Man Hours	Notes	2013	2014	2015	2016	2017
150	X.3.5	Craft - Electrician	7,10's	Run conduit/supports to common terminal box	1	2	men				\$15,155	\$15,155							\$15,155
151	X.3.5	Craft - Electrician	7,10's	Tie in conduits to all panels	1	2	men				\$3,728	\$3,728							\$3,728
152	X.3.5	Craft - Electrician	7,10's	Pull cables	1	2	men				\$3,728	\$3,728							\$3,728
153	X.3.5	Craft - Electrician	7,10's	Terminations	1	2	men				\$2,486	\$2,486							\$2,486
154	X.3.5	Craft - Electrician	8,10's		1	1	men				\$0	\$0							\$0
155	X.3.5	Craft - Electrician	7,10's	Reactor trip swgr (cable spread room)	1	1	men				\$0	\$0							\$0
156	X.3.5	Craft - Electrician	7,10's	Install smoke detectors in cabinets A, B, C & D.	4	2	men				\$4,971	\$4,971							\$4,971
157	X.3.5	Craft - Electrician	7,10's	Run conduit/supports to common terminal box	1	2	men				\$9,942	\$9,942							\$9,942
158	X.3.5	Craft - Electrician	7,10's	Tie in conduits	1	2	men				\$2,486	\$2,486							\$2,486
159	X.3.5	Craft - Electrician	7,10's	Pull cables	1	2	men				\$2,486	\$2,486							\$2,486
160	X.3.5	Craft - Electrician	7,10's	Terminations	1	2	men				\$1,243	\$1,243							\$1,243
161	X.3.5	Craft - Carpenter	6,10's		1	1	men				\$0	\$0							\$0
162	X.3.5	Craft - Electrician	7,10's	Common equipment for smoke detectors	1	1	men				\$0	\$0							\$0
163	X.3.5	Craft - Electrician	7,10's	Install common terminal box	1	2	men				\$2,486	\$2,486							\$2,486
164	X.3.5	Craft - Electrician	7,10's	Run conduit/supports common terminal box to local alarm panel	1	2	men				\$14,913	\$14,913							\$14,913
165	X.3.5	Craft - Electrician	7,10's	Upgrade local alarm panel	1	2	men				\$4,971	\$4,971							\$4,971
166	X.3.5	Craft - Electrician	7,10's		1	1	men				\$0	\$0							\$0
167	X.3.5	Craft - Electrician	7,10's	Scaffold for smoke detection	1	1	men				\$0	\$0							\$0
168	X.3.5	Craft - Carpenter	7,10's	Install remove scaffold	1	4	men				\$7,841	\$7,841							\$7,841
169	X.3.5	Craft - Laborer	7,10's	Install remove scaffold	1	2	men				\$3,446	\$3,446							\$3,446
170	X.3.5	Craft - Electrician	7,10's		1	1	men				\$0	\$0							\$0
171	X.3.5	Craft - Electrician	7,10's	Upgrade replace fire detection panel	1	1	men				\$0	\$0							\$0
172	X.3.5	Craft - Electrician	7,10's	Walkdown obtain clearance	1	2	men				\$821	\$821							\$821
173	X.3.5	Craft - Laborer	7,10's	Allowance for compensatory measures	1	3	men				\$9,305	\$9,305							\$9,305
174	X.3.5	Craft - Electrician	7,10's	Determ cables so detection panel can be removed	1	2	men				\$1,243	\$1,243							\$1,243
175	X.3.5	Craft - Electrician	7,10's	Pull back cables to nearest pull box	1	2	men				\$1,243	\$1,243							\$1,243
176	X.3.5	Craft - Electrician	7,10's	Remove conduits	1	2	men				\$821	\$821							\$821
177	X.3.5	Craft - Electrician	7,10's	Remove detection panel	1	2	men				\$821	\$821							\$821
178	X.3.5	Craft - Electrician	7,10's	Install new fire detection panel (utilize existing supports)	1	2	men				\$1,243	\$1,243							\$1,243
179	X.3.5	Craft - Electrician	7,10's	Drill panel to suite conduits	1	2	men				\$1,243	\$1,243							\$1,243
180	X.3.5	Craft - Electrician	7,10's	Install conduits	1	2	men				\$621	\$621							\$621
181	X.3.5	Craft - Electrician	7,10's	Repull wiring	1	2	men				\$1,243	\$1,243							\$1,243
182	X.3.5	Craft - Electrician	7,10's	Terminate wiring	1	2	men				\$2,486	\$2,486							\$2,486
183	X.3.5	Craft - Electrician	7,10's	Release clearance and verify operability	1	1	men				\$821	\$821							\$821
184	X.3.5	Craft - Electrician	5,8's		1	1	men				\$0	\$0							\$0
185	X.3.5	Craft - Electrician	5,8's		1	1	men				\$0	\$0							\$0
186	X.3.5	Craft - Electrician	5,8's	Misc.	1	1	men				\$0	\$0							\$0
187	X.3.5	Craft - Painter	5,8's	Coatings	1	1	men				\$3,416	\$3,416							\$3,416
188	X.3.5	Craft - Pipefitter	5,8's		1	1	men				\$0	\$0							\$0
189	X.3.5	Craft - Pipefitter	5,8's		1	1	men				\$0	\$0							\$0
190	X.3.5	Craft - Pipefitter	5,8's		1	1	men				\$0	\$0							\$0
191	X.3.5	Craft - Pipefitter	5,8's		1	1	men				\$0	\$0							\$0
192	X.3.5	Craft - Pipefitter	5,8's		1	1	men				\$0	\$0							\$0
193	X.3.5	Craft - Pipefitter	5,8's		1	1	men				\$0	\$0							\$0
194	X.3.5	Craft - Pipefitter	5,8's		1	1	men				\$0	\$0							\$0
195	X.3.5	Craft - Pipefitter	5,8's		1	1	men				\$0	\$0							\$0
196	X.3.5	Craft - Pipefitter	5,8's		1	1	men				\$0	\$0							\$0
197	X.3.5	Craft - Painter	5,8's		1	1	men				\$0	\$0							\$0
198	X.3.5	Craft - Painter	5,8's		1	1	men				\$0	\$0							\$0
199	X.3.5	Craft - Painter	5,8's		1	1	men				\$0	\$0							\$0
200	X.3.5	Craft - Painter	5,8's		1	1	men				\$0	\$0							\$0
201	X.3.5	Craft - Painter	5,8's		1	1	men				\$0	\$0							\$0
202	X.3.5	Craft - Painter	5,8's		1	1	men				\$0	\$0							\$0
203	X.3.5	Craft - Painter	5,8's		1	1	men				\$0	\$0							\$0
204	X.3.5	Craft - Painter	5,8's		1	1	men				\$0	\$0							\$0
205	X.3.5	Craft - Painter	5,8's		1	1	men				\$0	\$0							\$0
206	X.3.5	Craft - Painter	5,8's		1	1	men				\$0	\$0							\$0
207	X.3.5	Craft - Painter	5,8's		1	1	men				\$0	\$0							\$0
208	X.3.5	Craft - Painter	5,8's		1	1	men				\$0	\$0							\$0
209	X.3.5	Craft - Painter	5,8's		1	1	men				\$0	\$0							\$0
210	X.3.5	Craft - Pipefitter	7,10's	Testing X3.5.4							\$0	\$0							\$0
211	X.3.5	FPL Maintenance	7,10's	PHIT	1	1	men				\$0	\$0							\$0
212	X.3.5	Contractor 100	7,10's	NDE	1	1	men				\$0	\$0							\$0
213	X.3.5	FPL	7,10's	Operability Testing	1	1	men				\$0	\$0							\$0
214	X.3.5	FPL	7,10's	Operability Testing	1	1	men				\$0	\$0							\$0
215	X.3.5	FPL	7,10's	Operability Testing	1	1	men				\$0	\$0							\$0
216	X.3.6	Craft - Carpenter	5,8's	Foremen / Gen. Foreman X.3.5							\$797	\$797							\$797
217	X.3.5	Craft - Electrician	5,8's		1	160	hrs				\$36,279	\$36,279							\$36,279
218	X.3.5	Craft - Sheet Metal Worker	5,8's		1	2,920	hrs				\$0	\$0							\$0
219	X.3.5	Craft - Laborer	5,8's		1	0	hrs				\$0	\$0							\$0
220	X.3.5	Craft - Pipefitter	5,8's		1	376	hrs				\$1,842	\$1,842							\$1,842
221	X.3.5	Craft - Pipefitter	5,8's		1	540	hrs				\$3,597	\$3,597							\$3,597
222	X.3.5	Craft - Painter	5,8's		1	80	hrs				\$427	\$427							\$427
223	X.3.5	Staff - Field Engineer	5,8's	Non-Manual X.3.5							\$9,030	\$9,030							\$9,030
224	X.3.5	Staff - Field Supervisor	5,8's	Package development	1	1	men				\$61,047	\$61,047							\$61,047
225	X.3.5	Staff - Field Admin	5,8's	Craft Supervisor	1	2	men				\$0	\$0							\$0
226	X.3.5	Core Staff Allocation	5,8's	Admin Staff	1	1	men				\$0	\$0							\$0
227	X.3.5	FPL	5,8's	Support Staff Allocation	1	1	men				\$8,710	\$8,710							\$8,710
228	X.3.5	FPL	5,8's	Support and Oversight Construction supervisor X.3.5							\$0	\$0							\$0
229	X.3.5	Contractor 110	5,8's	Construction Supervisor 1 SL2-23	1	1	men				\$66,000	\$66,000							\$66,000
230	X.3.5	Contractor 110	5,8's	Construction Supervisor 2	1	1	men				\$0	\$0							\$0
231	X.3.5	Contractor 110	5,8's	Weld Engineer Contractor	1	1	men				\$0	\$0							\$0
232	X.3.5	Other	5,8's	Supplementary support X.3.5							\$0	\$0							\$0
233	X.3.5	Contractor 030	5,8's		1	1	men				\$0	\$0							\$0
234	X.3.5	Contractor 090	5,8's	Security	1	1	men				\$0	\$0							\$0
235	X.3.5	FPL	5,8's	QC	1	1	men				\$0	\$0							\$0
236	X.3.5	FPL	5,8's	Maintenance	1	1	men				\$0	\$0							\$0
237	X.3.5	FPL	5,8's	Operations	1	1	men				\$0	\$0							\$0
238	X.3.5	FPL	5,8's	ISC	1	1	men				\$0	\$0							\$0
239	X.3.5										\$0	\$0							\$0
240	X.3.5			Remaining Fee at Risk Reconciled Monthly or End of Outage							\$12,076	\$12,076							\$12,076
241	X.3.5			Implementation - Total						\$0	\$478,189	\$478,189	8,289		\$0	\$0	\$0	\$19,200	\$456,989

Detail Sheet													Cash Flow																			
EST. # CN10008.01 UNUC.00000828																																
Job Description UZ Electrical upgrade NFPA-405 SL3-23																																
WBS	Description	Schedule	Description	UF	Dist	Unit	Mat Dollars	Hour	\$/Hour	Material	Labor	Total	Man Hours	Notes	2013	2014	2015	2016	2017													
<b>Project Management X.4.1</b>																																
246	X.4.1	FPL	5.8's	Project Manager FPL	1	1	man				\$67,000		1,000																			
246	X.4.1	Contractor 130	5.8's	Project Manager Contractor	1	1	man				\$0		0				\$6,700	\$20,100	\$40,200													
247	X.4.1	Contractor 110	5.8's	Project Coordinator 1	1	1	man				\$0		0																			
248	X.4.1	Contractor 110	5.8's	Project Coordinator 2	1	1	man				\$0		0																			
249	X.4.1	Contractor 030	5.8's	Admin	1	1	man				\$0		0																			
250	X.4.1	Contractor 040	5.8's	Material Coordinator	1	1	man				\$0		0																			
<b>Contract Development X.4.2</b>																																
252	X.4.2	Contractor 110	5.8's		1	1	man				\$0		0																			
<b>Regulatory Interface X.4.3</b>																																
254	X.4.3	Contractor 120	5.8's	Licensing	1	1	man				\$0		0																			
255	X.4.3		5.8's	NRC Fees	1	1	ls				\$0		0																			
<b>Maintenance and Control X.4.4</b>																																
257	X.4.4	Contractor 100	5.8's	Scheduler 1	1	1	man				\$30,000		300						\$12,000	\$18,000												
258	X.4.4	Contractor 090	5.8's	Cost Analyst	1	1	man				\$7,000		300				\$4,850	\$10,800	\$12,150													
259	X.4.4	Contractor 090	5.8's	Estimator	1	1	man				\$6,000		100			\$1,800	\$2,700	\$4,500														
<b>Training X.4.5</b>																																
261	X.4.5	Contractor 110	5.8's		1	1	man				\$0		0																			
<b>Closure X.4.8</b>																																
263	X.4.8	Contractor 110	5.8's		1	1	man				\$0		0																			
264	X.4.1	Travel & Misc Expenses	5.8's	Travel & Misc Expenses	1	1	ms				\$0		0																			
265	X.4.1	FPL Project Support		Projects Department Overhead (MOP, Lead PM, PCS, Admin, CAPCO) as a percentage of total labor	1	133,000	\$				\$16,950		0						\$6,983	\$12,968												
<b>Project Support - Total</b>													\$0	\$1,800	\$13,450	\$24,383	\$83,316															
<b>Indirect Allocated Costs</b>																																
270				Outage Distributed Costs (primary or secondary)	1						\$11,311		0							\$95,606												
271				Reactor Head Disassembly (Percent Allocation of \$ and mhs to Projects requiring RCS to be Drained)		3,700,000	\$						0																			
272				Nozzle Dams and Par Manway (Percent Allocation of \$ to Projects Working on 18' of Containment)		879,189	\$						0																			
273				Stores Loading Factor		81,680	\$				\$22,441		22,441							\$22,461												
274				Contractor Wrap-Up Insurance on Shaw, Williams, G4S, & Bertlett		369,189	\$				\$9,275		9,275							\$8,230												
275				Outage Management: 1 OCC Rep, 1 Clearance Coordinator, 4 Team Room Members per shift shared among major capital projects		40	days					\$48,200		4,662.00																		
276				EO Allocation - 1.35% Applied to Total Project Cost for Capital only		1,744,094	\$				\$22,944		22,944							\$23,645												
277				AFUDC Interest Costs	0	1,787,639	\$				\$0		0																			
<b>Indirect Allocated Costs - Total</b>													\$11,311	\$9,275	\$48,200	\$22,944	\$110,316															
<b>Total Estimate (Excluding DME &amp; Capital)</b>													\$93,990	\$18,741.69	\$176,633	18,468																
<b>Total Estimate for DME (if Capital Project)</b>													\$0	\$0	\$0	\$0	\$0															
<b>Total Estimate (D&amp;M and Capital)</b>													\$93,990	\$18,741.69	\$176,633	18,468																
													\$10,818	\$48,800	\$643,050	\$216,078	\$892,692															
													\$0	\$0	\$0	\$0	\$0															
													\$10,818	\$48,800	\$643,050	\$216,078	\$892,692															
													\$17,112,436																			

**FPL's response to  
OPC's 4th Request for Interrogatory No. 145  
Attachment No. 3  
Bates No. OPC 024012  
is confidential in its entirety**

10 **LTAM#:** Detail Sheet  
 11 **EST.#:** UNUC.00000961  
 12 **Job Description:** U1 Electrical Upgrade NFPA-805-Tray Covers  
 13

WBS	Description	Schedule	Description	UF	Quan	Unit	Mat'l Dollars	Hours	4 Hour	Material	Labor	Total	Man Hours
<b>Engineering X.1</b>													
<b>Conceptual study design x.1.1</b>													
X.1.1	FPL NPE	5.8's			1	1 man					\$0	\$0	
X.1.1	NPE Contractor_120	5.8's			1	1 man					\$0	\$0	
X.1.1	A&E Contractor_140	5.8's			1	1 man					\$0	\$0	
<b>Engineering design (EC) x.1.2</b>													
X.1.2	Contractor_110	5.8's	EC 282961 - Unit-1 Cable spreading room tray covers		1	1 man					\$259,560	\$259,560	
X.1.2	A&E Contractor_140	5.8's			1	1 man					\$0	\$0	
X.1.2	FPL Engineering Management	5.8's			1	1 man					\$0	\$0	
X.1.2	Travel & Misc. Expenses	5.8's	Travel		1	1 man					\$0	\$0	
X.1.2	Travel & Misc. Expenses	5.8's	Allowance for Qualification		1	1 \$					\$0	\$0	
<b>Procurement Spec x.1.3</b>													
X.1.3	FPL NPE	5.8's			1	1 man					\$0	\$0	
X.1.3	NPE Contractor_120	5.8's			1	1 man					\$0	\$0	
X.1.3	A&E Contractor_140	5.8's			1	1 man					\$0	\$0	
<b>Bill of Materials x.1.4</b>													
X.1.4	FPL NPE	5.8's			1	1 man					\$0	\$0	
X.1.4	NPE Contractor_120	5.8's			1	1 man					\$0	\$0	
X.1.4	A&E Contractor_140	5.8's			1	1 man					\$0	\$0	
<b>Drawing Updates x.1.5</b>													
X.1.5	FPL NPE	5.8's			1	1 man					\$0	\$0	
X.1.5	NPE Contractor_120	5.8's			1	1 man					\$0	\$0	
X.1.5	A&E Contractor_140	5.8's			1	1 man					\$0	\$0	
<b>Calculations x.1.6</b>													
X.1.6	FPL NPE	5.8's			1	1 man					\$0	\$0	
X.1.6	NPE Contractor_120	5.8's			1	1 man					\$0	\$0	
X.1.6	A&E Contractor_140	5.8's			1	1 man					\$0	\$0	
<b>Procedure Development x.1.7</b>													
X.1.7	Contractor_090	5.8's	Procedure Writer		1	1 man					\$0	\$0	
X.1.7	Contractor_100	5.8's	Test Coordinator (PTPs)		1	1 man					\$0	\$0	
<b>Closure x.1.8</b>													
X.1.8	Contractor_110	5.8's	As Built Drawing Updates		1	1 man					\$8,800	\$8,800	
X.1.2	NPE Contractor_120	5.8's			1	1 man					\$0	\$0	
X.1.2	FPL NPE	5.8's			1	1 man					\$0	\$0	
X.1.2	Contractor_130	5.8's			1	1 man					\$0	\$0	
X.1.2	Remaining Fee at Risk A&E Contractor				1	1 man					\$0	\$0	
<b>Engineering Total</b>											\$268,360	\$268,360	80

<b>Material X2</b>													
<b>Material under PO, x.2.1</b>													
X.2.1	EPC Contractor Supplied				1	1 ea	\$ -				\$0	\$0	
X.2.1	EPC Contractor Supplied				1	1 ea	\$ -				\$0	\$0	
X.2.1	EPC Contractor Supplied				1	1 ea	\$ -				\$0	\$0	
X.2.1	EPC Contractor Supplied				1	1 ea	\$ -				\$0	\$0	
X.2.1	Bulk Material				1	1 ls	\$ -				\$0	\$0	
X.2.1	Bulk Material		Hold down clamps		240	ea	\$ 9				\$2,100	\$2,100	
X.2.1	Bulk Material		Tray Covers - 16ga.Galvanized - Solid Typical 24" or 36" wide x 5-ft		160	ea	\$ 45				\$7,200	\$7,200	
X.2.1	Bulk Material		Misc.		1	1 ls	\$ -				\$5,000	\$5,000	
X.2.1	Bulk Material				1	1 ea	\$ -				\$0	\$0	
X.2.1	Bulk Material				1	1 ea	\$ -				\$0	\$0	
X.2.1	Bulk Material				1	1 ls	\$ -				\$0	\$0	
X.2.1	Non-Rad waste Disposal				1	1 ls	\$ -				\$0	\$0	
<b>DME for O&amp;M Projects x.2.1.2</b>													
X.2.1.4	Dormant Materials				1	1 ls	\$ -				\$0	\$0	



	B	C	D	E	F	G	H	I	J	K	L	M	N	O
10	<b>LTAM #:</b> Detail Sheet													
11	<b>EST. #:</b> UNUC-00000961													
12	<b>Job Description:</b> U1 Electrical Upgrade NFPA-805-Tray Covers													
13														
14	<b>WBS</b>	<b>Description</b>	<b>Schedule</b>	<b>Description</b>	<b>UF</b>	<b>Quan</b>	<b>Unit</b>	<b>Mat'l Dollars</b>	<b>Hours</b>	<b>\$/Hour</b>	<b>Material</b>	<b>Labor</b>	<b>Total</b>	<b>Man Hours</b>
70	X.2.1.4	Dormant Materials			1	1	ls	\$ -			\$0		\$0	
71	X.2.1.4	Dormant Materials			1	1	ls	\$ -			\$0		\$0	
72	<b>Rental Equipment x 2.2</b>													
73	X.2.2	Office Trailers			1	1	ls	\$ -			\$0		\$0	
74	X.2.2	Heavy Equipment			1	1	ls	\$ -			\$0		\$0	
75	X.2.1	Bulk Material		<b>Consumables :</b>				<b>6% of Direct Labor</b>			\$9,190		\$9,190	
76												<b>Material Total</b>	\$23,490	\$23,490
77	<b>X2: DME for Capital Projects</b>													
79	X.2.1.4	Dormant Materials			1	1	ls	\$ -			\$0		\$0	
80	X.2.1.4	Dormant Materials			1	1	ls	\$ -			\$0		\$0	
81	X.2.1.4	Dormant Materials			1	1	ls	\$ -			\$0		\$0	
82	X.2.1.4	Dormant Materials			1	1	ls	\$ -			\$0		\$0	
83												<b>DME Total</b>	\$0	\$0
84	<b>X3: Implementation X3</b>													
86	<b>RP Support x3.1</b>													
87	X.3.1	NEE Supervisor	5.8's		1	1	men				\$0		\$0	
88	X.3.1	ALARA Engineer	5.8's	HP- ALARA eng	1	1	men				\$0		\$0	
89	X.3.1	HP-Contractor Sr	5.8's	Support work in the rca	1	1	men				\$0		\$0	
90	X.3.1	HP-Contractor - Decon Tech	5.8's		1	1	men				\$0		\$0	
91	X.3.1	Rad Waste Disposit	5.8's	Estimate weight in lb's	1	1	lb				\$0		\$0	
92	<b>Work order planning- Package development x3.2</b>													
93	X.3.2	FPL	5.8's		1	1	men				\$0		\$0	
94	X.3.2	Contractor_110	5.8's	Identification of equipment tied to cables in adjoining trays	1	1	men				\$24,200		\$24,200	
95	X.3.2	Contractor_080	5.8's	Work order planning- Package development	1	1	men				\$16,000		\$16,000	
96	<b>In-Processing x3.3</b>													
97	X.3.3	Craft - Boilermaker	5.8's		1	0	men				\$0		\$0	
98	X.3.3	Craft - Carpenter	5.8's		1	0	men				\$0		\$0	
99	X.3.3	Craft - Electrician	5.8's		1	4	men				\$7,962		\$7,962	
100	X.3.3	Craft - Insulator	5.8's		1	0	men				\$0		\$0	
101	X.3.3	Craft - Iron Worker	5.8's		1	0	men				\$0		\$0	
102	X.3.3	Craft - Laborer	5.8's		1	0	men				\$0		\$0	
103	X.3.3	Craft - Operating Engineer	5.8's		1	0	men				\$0		\$0	
104	X.3.3	Craft - Pipefitter	5.8's		1	0	men				\$0		\$0	
105	X.3.3	Craft - Sheet Metal Worker	5.8's		1	0	men				\$0		\$0	
106	X.3.3	Craft - Teamster	5.8's		1	0	men				\$0		\$0	
107	<b>Training Qualifications &amp; Mock-up x3.4</b>													
108	X.3.4	Craft - Electrician	5.8's	Training	1	1	men				\$0		\$0	
109	X.3.4	Craft - Pipefitter	5.8's	Training	1	1	men				\$0		\$0	
110	X.3.4	Contractor_110	5.8's	Mock-up	1	1	men				\$0		\$0	
111	<b>Field construction x3.5</b>													
112	<b>Shop fab X 3.5.1</b>													
115	X.3.5	Craft - Laborer	5.8's		1	1	men				\$0		\$0	
116	X.3.5	Craft - Pipefitter	5.8's		1	1	men				\$0		\$0	
117	X.3.5	Craft - Pipefitter	5.8's		1	1	men				\$0		\$0	
118	X.3.5	Craft - Insulator (Asbestos)	5.8's		1	1	men				\$0		\$0	
119	X.3.5	Craft - Pipefitter	5.8's		1	1	men				\$0		\$0	
120	X.3.5	Craft - Insulator	5.8's		1	1	men				\$0		\$0	
121	X.3.5	Craft - Insulator	5.8's		1	1	men				\$0		\$0	
122	<b>Pre Implementation X 3.5.2</b>													
123	X.3.5	Craft - Insulator	5.8's		1	1	men				\$0		\$0	
124	X.3.5	Craft - Pipefitter	5.8's		1	1	men				\$0		\$0	
125	X.3.5	Craft - Pipefitter	5.8's		1	1	men				\$0		\$0	
126	X.3.5	Craft - Pipefitter	5.8's		1	1	men				\$0		\$0	
127	X.3.5	Craft - Insulator	5.8's		1	1	men				\$0		\$0	
128	X.3.5	Craft - Insulator	5.8's		1	1	men				\$0		\$0	
129	<b>Implementation X 3.5.3</b>													
130	X.3.5	Craft - Pipefitter	5.8's		1	1	men				\$0		\$0	
131	X.3.5	Craft - Electrician	5.8's		1	1	men				\$0		\$0	
132	X.3.5	Craft - Electrician	5.8's	SL1-26 (partial non outage)	1	1	men				\$0		\$0	

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
10	LTAM: Detail Sheet														
11	EST. #: UNUC.0000961														
12	Job Description U1:Electrical Upgrade NFPA -805 -Tray Covers														
13															
14	WBS	Description	Schedule	Description	UF	Quan	Unit	Matl	Dollars	Hours	\$ / Hour	Material	Labor	Total	Man-Hours
133	X.3.5	Craft - Electrician	5.8's	EC 27B418 Location rab 43' (SL1-27 WORK IN BOLD)	1	1	men						\$0	\$0	
134	X.3.5	Craft - Electrician	5.8's	Add tops & bottoms to the following tray points (non outage/outage)	1	1	men						\$0	\$0	
135	X.3.5	Craft - Electrician	5.8's	Walkdown & layout scaffold requirements	1	1	men						\$0	\$0	
136	X.3.5	Craft - Electrician	5.8's	Set up laydown areas for tray covers	1	1	men						\$0	\$0	
137	X.3.5	Craft - Electrician	5.8's	Mobilize transport tray covers	1	1	men						\$0	\$0	
138	X.3.5	Craft - Carpenter	5.8's	Erect scaffold allowance for seismic scaffold over sensitive equipment.	2	4	men						\$19,138	\$19,138	
139	X.3.5	Craft - Laborer	5.8's	Erect scaffold allowance for seismic scaffold over sensitive equipment.	2	2	men						\$8,386	\$8,386	
140	X.3.5	Craft - Electrician	5.8's	C10 points 206 & 207	1	2	men						\$398	\$398	
141	X.3.5	Craft - Electrician	5.8's	C11 points 206 & 207	1	2	men						\$398	\$398	
142	X.3.5	Craft - Electrician	5.8's	C12 points 751,752,783,206,207,202,203,204, & 205	1	2	men						\$1,789	\$1,789	
143	X.3.5	Craft - Electrician	5.8's	C13 points 206 & 207	1	2	men						\$398	\$398	
144	X.3.5	Craft - Electrician	5.8's	C14 points 751,752,783,206,202,203,204, & 205	1	2	men						\$1,590	\$1,590	
145	X.3.5	Craft - Electrician	5.8's	C15 points 762,763,764,782,206 & 207	1	2	men						\$1,183	\$1,183	
146	X.3.5	Craft - Electrician	5.8's	C17 points 751,752,783,202,203,204, & 205	1	2	men						\$1,392	\$1,392	
147	X.3.5	Craft - Electrician	5.8's	C18 points 782,783,783,764,206,207,202,203,204, & 205	1	2	men						\$1,988	\$1,988	
148	X.3.5	Craft - Electrician	5.8's	C19 points 204, 205,782,762,763,764,206,207,202 & 203.	1	2	men						\$1,988	\$1,988	
149	X.3.5	Craft - Electrician	5.8's	C32 points 708,710,715,716, & 717.	1	2	men						\$994	\$994	
150	X.3.5	Craft - Electrician	5.8's	C33 points 708,710,715, & 717	1	2	men						\$795	\$795	
151	X.3.5	Craft - Electrician	5.8's	C50 points 255 & 256	1	2	men						\$398	\$398	
152	X.3.5	Craft - Electrician	5.8's	L10 points 206 & 207	1	2	men						\$398	\$398	
153	X.3.5	Craft - Electrician	5.8's	L12 points 751,752,783,202,203,204, & 205	1	2	men						\$1,392	\$1,392	
154	X.3.5	Craft - Electrician	5.8's	L15 points 782,762,763,764,206,207,202,203,204, & 205	1	2	men						\$1,988	\$1,988	
155	X.3.5	Craft - Electrician	5.8's	L16 points 255,256,751,752,782, & 783	1	2	men						\$1,193	\$1,193	
156	X.3.5	Craft - Electrician	5.8's	L32 points 708,710,713,714,715,716,717 & 740.	1	2	men						\$1,590	\$1,590	
157	X.3.5	Craft - Electrician	5.8's	L33 points 708,710,714,715,716,717 & 740.	1	2	men						\$1,392	\$1,392	
158	X.3.5	Craft - Electrician	5.8's	L34 point 740	1	2	men						\$298	\$298	
159	X.3.5	Craft - Electrician	5.8's	M14 points 782,762,763,764,206,207	1	2	men						\$1,392	\$1,392	
160	X.3.5	Craft - Electrician	5.8's	M33 points 708,710,712,713,714,715,716, & 717.	1	2	men						\$1,590	\$1,590	
161	X.3.5	Craft - Electrician	5.8's	M34 points 740	1	2	men						\$298	\$298	
162	X.3.5	Craft - Electrician	5.8's	Allowance made to access difficult tray points shown in bold 30	1	30	ea						\$14,910	\$14,910	
163	X.3.5	Craft - Electrician	5.8's	Remove scaffold	2	4	men						\$11,928	\$11,928	
164	X.3.5	Craft - Electrician	5.8's	Remove scaffold	2	2	men						\$5,964	\$5,964	
165	X.3.5	Craft - Electrician	5.8's		1	1	men						\$0	\$0	
166	X.3.5	Craft - Electrician	5.8's		1	1	men						\$0	\$0	
167	X.3.5	Craft - Electrician	5.8's		1	1	men						\$0	\$0	
168	X.3.5	Craft - Electrician	5.8's		1	1	men						\$0	\$0	
169	X.3.5	Craft - Electrician	5.8's		1	1	men						\$0	\$0	
170	X.3.5	Craft - Pipefitter	5.8's		1	1	men						\$0	\$0	
171	X.3.5	Craft - Painter	5.8's		1	1	men						\$0	\$0	
172	<b>Testing X3.5.4</b>														
173	X.3.5	Craft - Pipefitter	7.10's		1	1	men						\$0	\$0	
174	X.3.5	FPL Maintenance	7.10's	PMT	1	1	men						\$0	\$0	
175	X.3.5	Contractor_100	7.10's	NDE	1	1	men						\$0	\$0	
176	X.3.5	FPL	7.10's	Operability Testing	1	1	men						\$0	\$0	
177	<b>Foreman / Gen. Foreman X 3.5</b>														
178	X.3.5	Craft - Carpenter	5.8's		1	480	hrs						\$2,392	\$2,392	
179	X.3.5	Craft - Electrician	5.8's		1	1,320	hrs						\$16,401	\$16,401	
180	X.3.5	Craft - Sheet Metal Worker	5.8's		1	0	hrs						\$0	\$0	
181	X.3.5	Craft - Laborer	5.8's		1	240	hrs						\$1,048	\$1,048	
182	X.3.5	Craft - Pipefitter	5.8's		1	0	hrs						\$0	\$0	
183	X.3.5	Craft - Painter	5.8's		1	0	hrs						\$0	\$0	
184	<b>Non-Manual X 3.5</b>														
185	X.3.5	Staff - Field Engineer	5.8's	Package development scaffold & coatings	1	1	men						\$3,612	\$3,612	
186	X.3.5	Staff - Field Supervisor	5.8's	Craft Supervisor	1	1	men						\$26,163	\$26,163	
187	X.3.5	Staff - Field Admin	5.8's	Admin Staff	1	1	men						\$3,969	\$3,969	
188	X.3.5	Core Staff Allocation	5.8's	Support Staff Allocation	1	1	men						\$3,668	\$3,668	
189	<b>Support and Oversight Construction supervisor X 3.5</b>														
190	X.3.5	FPL	5.8's		1	1	men						\$0	\$0	
191	X.3.5	Contractor_110	5.8's	Construction Supervisor 1	1	1	men						\$38,500	\$38,500	
192	X.3.5	Contractor_110	5.8's	Construction Supervisor 2	1	1	men						\$0	\$0	
193	X.3.5	Contractor_110	5.8's	Weld Engineer Contractor	1	1	men						\$0	\$0	
194	<b>Supplementary support X 3.5</b>														
195	X.3.5	Other	5.8's		1	1	men						\$0	\$0	
196	X.3.5	Contractor_030	5.8's	Security	1	1	men						\$0	\$0	

	B	C	D	E	F	G	H	I	J	K	L	M	N	O		
10	<b>Detail Sheet</b>															
11	LTAM #: UNUC.00000961															
12	Job Description U1 Electrical Upgrade NFPA-305-Tray Covers															
13																
14	WBS	Description	Schedule	Description	UF	Quan	Unit	Matl Dollars	Hours	\$/Hour	Material	Labor	Total	Man Hours		
197	X.3.5	Contractor_080	5.8's	QC	1	1	men					\$0	\$0			
198	X.3.5	FPL	5.8's	Maintenance	1	1	men					\$0	\$0			
199	X.3.5	FPL	5.8's	Operations	1	1	men					\$0	\$0			
200	X.3.5	FPL	5.8's	ISC	1	1	men					\$0	\$0			
201																
202	X.3.5	Remaining Fee at Risk Reconciled Monthly or End of Outage											\$5,085	\$5,085		
203	X.3.5	<b>Implementation - Total</b>											\$0	\$234,166	\$234,166	4,370
204	<b>Project Support X.4</b>															
206	<b>Project Management x.4.1</b>															
207	FPL		5.8's	Project Manager FPL	1	1	men					\$20,100	\$20,100			
208	X.4.1	Contractor_130	5.8's	Project Manager Contractor	1	1	men					\$0	\$0			
209	X.4.1	Contractor_110	5.8's	Project Coordinator 1	1	1	men					\$0	\$0			
210	X.4.1	Contractor_110	5.8's	Project Coordinator 2	1	1	men					\$0	\$0			
211	X.4.1	Contractor_030	5.8's	Admin	1	1	men					\$0	\$0			
212	X.4.1	Contractor_040	5.8's	Material Coordinator	1	1	men					\$0	\$0			
213	X.4.1	<b>Contract Development x.4.2</b>														
214	Contractor_110		5.8's		1	1	men					\$0	\$0			
215	X.4.2	<b>Regulatory Interface x.4.3</b>														
216	Contractor_120		5.8's	Licensing	1	1	men					\$0	\$0			
217	X.4.3		5.8's	NRC Fees	1	1	ls					\$0	\$0			
218	X.4.3	<b>Monitoring and Control x.4.4</b>														
219	Contractor_100		5.8's	Scheduler 1	1	1	men					\$20,000	\$20,000			
220	X.4.4	Contractor_090	5.8's	Cost Analyst	1	1	men					\$22,600	\$22,600			
221	X.4.4	Contractor_090	5.8's	Estimator	1	1	men					\$3,600	\$3,600			
222	X.4.4	<b>Training x.4.5</b>														
223	Contractor_110		5.8's		1	1	men					\$0	\$0			
224	X.4.5	<b>Closure x.4.6</b>														
225	Contractor_110		5.8's		1	1	men					\$0	\$0			
226	X.4.6															
227	Travel & Misc. Expenses		5.8's	Travel & Misc. Expenses	1	1	ea					\$0	\$0			
228	X.4.1	FPL Project Support		Projects Department Overhead (MOP, Lead PM, PCS, Admin, CAPCO) as a percentage of total labor	1	66,200	S					\$9,930	\$9,930			
229	X.4.1	<b>Project Support - Total</b>											\$0	\$76,130	\$76,130	790
230	<b>Indirect / Allocated Costs</b>															
232	<b>Outage Distributed Costs (primary or secondary)</b>															
233					1							\$16,144	\$16,144			
234	800			Reactor Head Disassembly (Percent Allocation of S and mhs to Projects requiring RCS to be Drained)		3,700,000	\$					\$0	\$0			
235				Nozzle Dams and Pzr Manway (Percent Allocation of \$ to Projects Working on 18' of Containment)		678,169	\$					\$0	\$0			
236	800			Stores Loading Factor		23,490	\$					\$4,698	\$4,698			
237				Contractor Wrap-up Insurance on Shaw, Williams, G4S, & Bartlett		155,466	\$					\$3,667	\$3,667			
238	800			Outage Management: 1 OCC Rep, 1 Clearance Coordinator, 4 Team Room Members per shift shared among major capital projects		40	days					\$16,400	\$16,400			
239				EO Allocation - 1.35% Applied to Total Project Cost for Capital only		644,274	\$					\$8,698	\$8,698			
240	800			AFUDC Interest Costs	0	652,972	\$					\$0	\$0			
241																
242	800															
243																
244																
245	800															
246																
247	800															
248																
249	800															
250	<b>Indirect / Allocated Costs - Total</b>											\$0	\$50,826	\$50,826	0	
251	<b>Total Estimate (Excluding DME if Capital) :</b>											\$23,490	\$629,482	\$652,972	5,240	
252	<b>Total Estimate for DME if Capital Project :</b>											\$0	\$0	\$0	0	
253																
254																

**FPL's response to  
OPC's 4th Request for Interrogatory No. 145  
Attachment No. 4  
Bates No. OPC 024819  
is confidential in its entirety**

Location	REQ Work	OSM	Grouping	Resolution	Year	Description	Note	Takeoff Quantity Base	Unit	Max Unit Price	Labor Prod	Takeoff Multiplier	Labor Factor	Labor Hours	Labor Rate	Labor Mix	Grand Total		
1-Engineering - Design-2015-Actuals						1-Engineering - Design-2015-Actuals											\$421,673.00		
1-Engineering - Design-2015-Actuals			1-Engineering	Engroneer - Civil Engineer	2015	Engineering Design - Development - AAE - Nuclear Project	Jan-2015 Actual: 100% EC - AAE (Engroneer) - Develop - EC - Engineering Change Package	1	hour			1					AAE Engineering	\$386,930.00	
1-Engineering - Design-2015-Actuals			1-Engineering	Engroneer - Electrical Engineer	2015	Engineering Design - Development - FPAL - Nuclear Project	Jan-2015-Actual: FPAL - Oversight - EC - Engineering Change Package - Review and Approve	1	hour			1					FPAL-Engineering	\$35,640.00	
1-Engineering - Design-2016						1-Engineering - Design-2016												\$50,470.00	
1-Engineering - Design-2016			1-Engineering	Engroneer - Civil Engineer	2016	Engineering - Support Project Planning	Discovers during the planning stage of this project	1	hour			1						AAE Engineering	\$43,280.00
1-Engineering - Design-2016			1-Engineering	Engroneer - Civil Engineer	2016	Engineering - Support Implementation	Discovers during the implementation stage	1	hour			1						AAE Engineering	\$7,210.00
1-Engineering - Design-2017						1-Engineering - Design-2017												\$54,272.00	
1-Engineering - Design-2017			1-Engineering	Procedure	2017	Procedure Development - New or total revision to an existing procedure	Assumption applied	3	each			1						Contractor-90	\$17,172.00
1-Engineering - Design-2017			1-Engineering	Engroneer - Civil Engineer	2017	Engineering - Support Implementation	Discovers during the implementation stage	1	hour			1						AAE Engineering	\$37,100.00
1-Engineering - Design-2018						1-Engineering - Design-2018												\$123,715.00	
1-Engineering - Design-2018			1-Engineering	FPAL - Engroneer	2018	Engineering Design - Development - FPAL - Nuclear Project	FPAL - Oversight - EC - Engineering Change Package - Review and Approve	1	hour			1						FPAL-Engineering	\$1,638.00
1-Engineering - Design-2018			1-Engineering	Engroneer - Civil Engineer	2018	As-built drawing updates	Update drawings and install into NMS9 - Assumption applied	30	each			1						Contractor-90	\$117,720.00
1-Engineering - Design-2018			1-Engineering	Test Coordinator	2018	Test Coordinator - Procedure development	Test procedure development	1	each			1						Contractor-100	\$4,380.00
1-Engineering - Field Implementation Support						1-Engineering - Field Implementation Support												\$45,780.00	
1-Engineering - Field Implementation Support			1-Engineering	Engroneer - Civil Engineer	2018	Engineering Design - Development - AAE - Nuclear Project	Review Work Order - AAE (Engroneer) - Field Implementation	1	hour			1						AAE Engineering	\$7,630.00
1-Engineering - Field Implementation Support	RFI Work		1-Engineering	Engroneer - Civil Engineer	2018	Engineering Design - Development - AAE - Nuclear Project	RFI (Engroneer) - Field Implementation support	1	hour			1						AAE Engineering	\$38,150.00
2A-Material - Electrical-2016						2A-Material - Electrical-2016												\$7,738.44	
2A-Material - Electrical-2016			2-Materials	Material - Electrical	2016	3/4" rigid galvanized conduit	Electrical Material - Historical pricing	90	FT	2.11		1						Elect-M	\$190.00
2A-Material - Electrical-2016			2-Materials	Material - Electrical	2016	3/4" conduit straps	Electrical Material - Historical pricing	8	EA	2.53		1						Elect-M	\$20.80
2A-Material - Electrical-2016			2-Materials	Material - Electrical	2016	3/4" conduit unions	Electrical Material - Historical pricing	2	EA	87.35		1						Elect-M	\$178.10
2A-Material - Electrical-2016			2-Materials	Material - Electrical	2016	Junction Box	Electrical Material - Historical pricing	4	EA	432.8		1						Elect-M	\$1,730.40
2A-Material - Electrical-2016			2-Materials	Material - Electrical	2016	E-7016 - 3/32" - VHM Electrode - Carbon steel	Internet pricing - CyberWeld	58	lbs	5.57		1						Elect-M	\$278.83
2A-Material - Electrical-2016			2-Materials	Material - Electrical	2016	Cable - #16 - 2/C - 300V	Electrical Material - Historical pricing	150	FT	1.19		2						Elect-M	\$330.44
2A-Material - Electrical-2016			2-Materials	Material - Electrical	2016	Flame-Safe S105	Flame-Safe Co. Sold in 5-gallon pails, pricing history is logged in 2009, actual installation	3	each	283.46		1						Elect-M	\$880.37
2A-Material - Electrical-2016			2-Materials	Material - Electrical	2016	Access Panel - 8-MT Roise - Electrical Case at Site RA2	Online pricing	1	each	252.25		1						Elect-M	\$252.25
2A-Material - Electrical-2016			2-Materials	Material - Electrical	2016	1-1/2" aluminum end cap for access panel out-out	Online pricing	20	EA	15.45		1						Elect-M	\$309.00
2A-Material - Electrical-2016			2-Materials	Material - Electrical	2016	Plate - 1/2" x 4' x 6' - PS3 Carbon Steel	Historical Pricing	1	each	439.26		1						Elect-M	\$439.26
2A-Material - Electrical-2016			2-Materials	Material - Electrical	2016	Angle - 1/4" x 2" x 2" A36 - Carbon Steel - 20-FI	Historical Pricing	1	each	89.96		1						Elect-M	\$69.95
2A-Material - Electrical-2016			2-Materials	Material - Electrical	2016	Angle - 1/4" x 2-1/2" x 2-1/2" A36 - Carbon Steel - 20-FI	Historical Pricing	1	each	231.78		1						Elect-M	\$231.78
2A-Material - Electrical-2016			2-Materials	Material - Electrical	2016	Angle - 5/16" x 2-1/2" x 2-1/2" A36 - Carbon Steel - 20-FI	Historical Pricing	2	each	360.5		1						Elect-M	\$721.00
2A-Material - Electrical-2016			2-Materials	Material - Electrical	2016	Angle - 1/4" x 2" x 3" A36 - Carbon Steel - 20-FI	Historical Pricing	1	each	190.25		1						Elect-M	\$190.25
2A-Material - Electrical-2016			2-Materials	Material - Electrical	2016	Hilti Kwikfil Duxxstone Anchor Bolts	3/8" - Anchor	22	each	2.57		1						Elect-M	\$56.54
2A-Material - Electrical-2016			2-Materials	Material - Electrical	2016	Unbranded hardware - Spring nuts, bolts, and washers	Hardware	6	each	128.75		1						Elect-M	\$772.50
2A-Material - Electrical-2016			2-Materials	Material - Electrical	2016	Unbranded - 1-5/8" x 1/2" - 12-GA - 20' lengths - A570-Gr.33	H52 Unbranded, Galvanized - Stock ChdD - 350670 - Updated March-2016	40	FT	17.4		1						Elect-M	\$695.87
2A-Material - Electrical-2017						2A-Material - Electrical-2017												\$88,320.41	
2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	2" rigid galvanized conduit	Electrical Material - Historical pricing	800	FT	5.74		1						Elect-M	\$4,590.72
2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	2" conduit elbows	Electrical Material - Historical pricing	68	EA	4.24		1						Elect-M	\$339.20
2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	2" uxwell union	Electrical Material - Historical pricing	5	EA	132.5		1						Elect-M	\$765.00
2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	2" uxwell, LB-Style	Electrical Material - Historical pricing	18	EA	51.14		1						Elect-M	\$511.45
2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	4" rigid galvanized conduit	Electrical Material - Historical pricing	48	FT	22.39		1						Elect-M	\$885.48
2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	4" conduit elbows	Electrical Material - Historical pricing	4	EA	5.41		1						Elect-M	\$21.64
2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Conduit Rings	Electrical Material - Historical pricing	28	each	132.6		1						Elect-M	\$3,712.80

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
	Location	RFO Work	G&M	Grouping	Breakdown	Year	Description	Name	Takeoff Quantity - Base	Unit	Mat Unit Price	Labor Prod	Takeoff Multiplier	Labor Factor	Labor Hours	Labor Rate	Labor Mix	Grande Total
51	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Ulnetix - Channel, Galv, 1-5/8" x 1-5/8"	Electrical Material - Historical pricing	60	FT	23.15		1				Elect-M	\$1,322.88
52	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Bolting / screw hardware	Electrical Material - Historical pricing	1	Item			1				Elect-M	\$3,200.00
53	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	E7018 - 3/32" - Weld Electrode - Carbon steel	Internet pricing - CyberWeld	760	lbs	5.73		1				Elect-M	\$4,300.65
54	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Grout, Non-Shrink Masterflow 718-Plus	Grout	3	bag	54.59		1				Elect-M	\$163.77
55	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	HiLo Anchor Bolt - 1/2" Diameter	Concrete wedge or bolt - Internet pricing	170	each	7.89		1				Elect-M	\$1,306.45
56	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Cable - #12 - 120 - 800V	Electrical Material - Historical pricing	250	FT	2.23		2				Elect-M	\$1,267.40
57	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Cable - #12 - 2/C - 800V	Electrical Material - Historical pricing	250	FT	1.99		2				Elect-M	\$999.40
58	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Cable - #12 - 9/C - 600V	Electrical Material - Historical pricing	450	FT	2.17		2				Elect-M	\$1,966.70
59	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Cable - #10 - 6/C - 600V	Electrical Material - Historical pricing	900	FT	3.44		2				Elect-M	\$6,201.00
60	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Cable - #4 - 2/C - 600V	Electrical Material - Historical pricing	300	FT	12.93		2				Elect-M	\$7,759.20
61	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Cable - #4 - 1/C - 600V	Electrical Material - Historical pricing	440	FT	5.27		2				Elect-M	\$7,276.84
62	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	tags, grounding rods, coldlead materials	Electrical Material - Historical pricing	40	Item	159		1				Elect-M	\$6,200.00
63	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Raychem splice kit - 12' length	Electrical Material - Historical pricing - CAT-ID 317877	30	each	87.5		1				Elect-M	\$2,625.00
64	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Raychem splice kit - 40' length	Electrical Material - Historical pricing - CAT-ID 317874	30	each	219.19		1				Elect-M	\$6,574.65
65	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Seal, Ceramic/Pow, Resealed Bulk	Pricing on-line - Feb-2015 - Bailey Ceramic Supply Co. - 1" thick x 2 1/2" wide x 250' long, 2500-25000, 5-5 density	1	Item	357.43		1				Elect-M	\$387.43
66	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	PCI-Phonatic 6F-20 - Fire Penetration Plug by Fastenal Co.	Two part A.A.B, comes in gallon containers - Product color - Black	10	each	81.3		1				Elect-M	\$813.00
67	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Marine-1 Panel 1-1/2" x 4' x 8'	Call# 219039	1	each	616.4		1				Elect-M	\$616.40
68	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Flame-Safe F5500	Flame-Safe Co. Sold in 5-gallon pails, pricing history is logged in 2007 updated spreadsheet	3	each	345.62		1				Elect-M	\$1,037.47
69	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Promete Low Density Silicon Elastomer	PCI	4	each	236.5		1				Elect-M	\$946.00
70	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Hilti - 1/4" Kvik-Con-II (Sold - box of 100)	Material	1	Box	51.89		1				Elect-M	\$51.89
71	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Plate - 1/4" x 4' x 8' - A36 Carbon Steel	Historical Pricing	1	each	399.2		1				Elect-M	\$399.20
72	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Plate - 1/2" x 4' x 8' - A36 Carbon Steel - Bent per dwg C-009	Vendor Pricing	1	each	477		1				Elect-M	\$477.00
73	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Plate - 3/4" x 4' x 8' - A36 Carbon Steel	Historical Pricing	2	each	669.07		1				Elect-M	\$1,338.14
74	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Plate - 1/4" x 4' x 8' - A36 Carbon Steel	Historical Pricing	4	each	1,003.61		1				Elect-M	\$4,014.43
75	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Plate - 1/2" x 4' x 8' - A36 Carbon Steel	Historical Pricing	1	each	1,328.14		1				Elect-M	\$1,328.14
76	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Bar, Flat - 1/2" Thick x 4" wide - A36 Carbon Steel - 20-Ft	Historical Pricing	1	each	100.01		1				Elect-M	\$100.01
77	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Bar, Flat - 1/4" Thick x 2" wide - A36 Carbon Steel - 20-Ft	Historical Pricing	1	each	100.7		1				Elect-M	\$100.70
78	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Tube Steel - 1/4" x 3' x 3' A500 Gr-B - Carbon Steel - 20-Ft	Historical Pricing	8	each	341.51		1				Elect-M	\$2,732.08
79	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Tube Steel - 1/2" x 4' x 4' A500 Gr-B - Carbon Steel - 20-Ft	Historical Pricing	3	each	659.97		1				Elect-M	\$1,979.91
80	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Tube Steel - 3/8" x 6' x 6' A500 Gr-B - Carbon Steel - 20-Ft	Historical Pricing	1	each	674.92		1				Elect-M	\$674.92
81	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	U-Bolt - 8501 - 3/4" x 5/16" dia. with nuts	Historical Pricing	6	each	3.98		1				Elect-M	\$23.88
82	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	U-Bolt - 8501 - 3/4" x 3/8" dia. with nuts	Historical Pricing	5	each	9.28		1				Elect-M	\$46.40
83	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	U-Bolt - 8501 - 4" x 3/8" dia. with nuts	Historical Pricing	4	each	16.7		1				Elect-M	\$66.76
84	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	3/4" - 10TPI - Allthread	3/4" - Allthread	60	ft	13.25		1				Elect-M	\$795.00
85	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Hilti Kwik-Bolt Concrete Anchor Bolts	5/8" - Anchor	68	each	6.3		1				Elect-M	\$519.80
86	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Hilti Kwik-Bolt Concrete Anchor Bolts	1" - Anchor	12	each	47.7		1				Elect-M	\$572.40
87	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Hilti Kwik-Bolt Concrete Anchor Bolts	3/4" - Anchor	6	each	25.5		1				Elect-M	\$153.00
88	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Unifast - 1-0/8" x 1-5/8" - 12-GA - 10'-lengths - A570-Gr.33	B22 Unifast, Galvanized - Stock Cat-ID - 324757 - Updated March-2015	120	FT	22.18		1				Elect-M	\$2,666.75
89	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Unifast - 1-0/8" x 1" - 12-GA - 10'-lengths - A570-Gr.33	B42 Unifast, Galvanized - Stock Cat-ID - 1893116 - Updated March-2015	20	FT	10.78		1				Elect-M	\$215.13
90	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Misc - Project Materials	Electrical Material	1	Item			1				Elect-M	\$12,456.00
91	2A-Material - Electrical-2017			2-Materials	Material - Electrical	2017	Grout, Non-Shrink Masterflow 718-Plus	Grout	20	bag	54.59		1				Elect-M	\$1,091.80
92	2A-Material - Electrical-2018			2-Materials	Material - Electrical	2018												\$8,200.00
93	2A-Material - Electrical-2018			2-Materials	Material - Electrical	2018	Small tools and consumables	Electrical Material	1	Item			1				Elect-M	\$8,200.00
94	2A-Thermo-Lag - Material-2017 - Hangars/duct			2-Materials	Material - Thermo-Lag	2017	Thermo-Lag - Materials-2017 - Hangars/duct	2A-Thermo-Lag - Materials-2017 - Hangars/duct										\$24,749.59
95	2A-Thermo-Lag - Material-2017 - Hangars/duct			2-Materials	Material - Thermo-Lag	2017	Thermo-Lag - 330-1 - Thermal Grade Coating Material - CAT-ID 2385325	3-Gallon container of Thermo-Lag 330-1 thermal grade coating material. Pricing was last updated on Feb-2015	12	each	1,027.00		1				Mech-M	\$12,084.00

Location	RFP Work	Q&I	Grouping	Description	Year	Estimate	Notes	Barrel Quantity - Revs	Unit	Material Price	Latex Prod	Takeoff Multiplier	Labor Factor	Fabrication	Labor Rate	Labor Mts	Contract Total	
2A-Thermo-Lag - Materials-2017 - Hanger/bracket			2-Materials	Material- Thermo-Lag	2017	Thermo-Lag - 770-4 - Travel Grade Coating Material - CAT-ID #211950	5-Gallon container of Thermo-Lag 770-1 bonded grade coating product. Price was last updated on 8/27/2014	35	each	1,050.00		1					Mech-M	\$33,220.00
2A-Thermo-Lag - Materials-2017 - Hanger/bracket			2-Materials	Material- Thermo-Lag	2017	Thermo-Lag - 76 - Hi-Temp. Fabric Mesh - CAT-ID #212456	Thermo-Lag - 76 - Hi-Temp. Fabric Mesh (211" x 217" dia) - 42" wide x 100-ft long = 850 sq ft (1-Roll) Last price update was Feb-2016	6	roll	4,240.00		1					Mech-M	\$26,440.00
2A-Thermo-Lag - Materials-2017 - Hanger/bracket			2-Materials	Material- Thermo-Lag	2017	Stainless Steel Band	Stainless Steel Band - .50" wide x .020" thick (Spec - MN-3.21 Page 26 Section 5.1.1.1) - 1-Roll comes in 100-ft	4	ea	163.7		1					Mech-M	\$614.80
2A-Thermo-Lag - Materials-2017 - Hanger/bracket			2-Materials	Material- Thermo-Lag	2017	Stainless Steel Wire	Stainless Steel Wire - 16-gauge (Spec - MN-3.21 Page 26 Section 5.1.1.1) - 1-Spool of wire weighing 3.6 lb = approx. 820-	4	ea	58.3		1					Mech-M	\$233.30
2A-Thermo-Lag - Materials-2017 - Hanger/bracket			2-Materials	Material- Thermo-Lag	2017	Stainless Steel Band Clips	Stainless Steel Band Clips - .60" wide x .020" thick - 100-per box	4	ea	78.32		1					Mech-M	\$309.28
2A-Thermo-Lag - Materials-2017 - Hanger/bracket			2-Materials	Material- Thermo-Lag	2017	Stainless Steel Band Tool	Stainless Steel Band Tool - Internal probing	4	ea	143.1		1					Mech-M	\$572.40
2A-Thermo-Lag - Materials-2017 - Hanger/bracket			2-Materials	Material- Thermo-Lag	2017	Thermo-Lag - 770-4 Mat - CAT-ID #211978	Thermo-Lag - 770-1 Mat - Sheet Form - 378" (+/- 125") thick x 40' wide x 84' long - Flexible product - Last price update was Feb-2016	20	each	3,488.00		1					Mech-M	\$69,760.00
2A-Thermo-Lag - Materials-2017 - Hanger/bracket			2-Materials	Material- Thermo-Lag	2017	Thermo-Lag - 330-1 Prefabricated Panels - CAT-ID #353726	Thermo-Lag - 330-1 Prefabricated band panels 1.250" (+/- .250") thick x 4.8 x 9.12-ft - Last price update was Feb-2016	10	each	8,162.00		1					Mech-M	\$81,620.00
2A-Thermo-Lag - Materials-2017 - Conduit			2-Materials	Material- Thermo-Lag	2017	Thermo-Lag - 330-1 Travel Grade Coating Material - CAT-ID #211950	5-Gallon container of Thermo-Lag 330-1 bonded grade coating product. Price was last updated on Feb-2016	30	each	1,050.00		1					Mech-M	\$30,210.00
2A-Thermo-Lag - Materials-2017 - Conduit			2-Materials	Material- Thermo-Lag	2017	Thermo-Lag - 770-4 - Travel Grade Coating Material - CAT-ID #211950	5-Gallon container of Thermo-Lag 770-1 bonded grade coating product. Price was last updated on 8/27/2014	80	each	1,050.00		1					Mech-M	\$84,000.00
2A-Thermo-Lag - Materials-2017 - Conduit			2-Materials	Material- Thermo-Lag	2017	Thermo-Lag - 76 - Hi-Temp. Fabric Mesh - CAT-ID #212456	Thermo-Lag - 76 - Hi-Temp. Fabric Mesh (211" x 217" dia) - 42" wide x 100-ft long = 850 sq ft (1-Roll) Last price update was Feb-2016	14	roll	4,240.00		1					Mech-M	\$59,380.00
2A-Thermo-Lag - Materials-2017 - Conduit			2-Materials	Material- Thermo-Lag	2017	Thermo-Lag 330-1 - Pre-shaped sections	4" - Thermo-Lag 330-1 - 1.250" +/- .250" thick x 36" long	32	ea	1,260.80		1					Mech-M	\$40,385.60
2A-Thermo-Lag - Materials-2017 - Conduit			2-Materials	Material- Thermo-Lag	2017	Thermo-Lag 330-1 - Pre-shaped sections	2" - Thermo-Lag 330-1 - 1.250" +/- .250" thick x 36" long	100	ea	1,187.60		1					Mech-M	\$118,760.00
2A-Thermo-Lag - Materials-2017 - Conduit			2-Materials	Material- Thermo-Lag	2017	Thermo-Lag 330-1 - Pre-shaped sections	4" - Thermo-Lag 330-1 - 1.250" +/- .250" thick x 36" long	16	ea	1,335.60		1					Mech-M	\$21,369.60
2A-Thermo-Lag - Materials-2017 - Conduit			2-Materials	Material- Thermo-Lag	2017	Stainless Steel Band	Stainless Steel Band - .50" wide x .020" thick (Spec - MN-3.21 Page 26 Section 5.1.1.1) - 1-Roll comes in 100-ft	12	ea	163.7		1					Mech-M	\$1,964.40
2A-Thermo-Lag - Materials-2017 - Conduit			2-Materials	Material- Thermo-Lag	2017	Stainless Steel Wire	Stainless Steel Wire - 16-gauge (Spec - MN-3.21 Page 26 Section 5.1.1.1) - 1-Spool of wire weighing 3.6 lb = approx. 820-	8	ea	58.3		1					Mech-M	\$466.40
2A-Thermo-Lag - Materials-2017 - Conduit			2-Materials	Material- Thermo-Lag	2017	Stainless Steel Band Clips	Stainless Steel Band Clips - .50" wide x .020" thick - 100-per box	8	ea	78.32		1					Mech-M	\$626.24
2A-Thermo-Lag - Materials-2017 - Conduit			2-Materials	Material- Thermo-Lag	2017	Thermo-Lag - 330-1 Prefabricated Panels - CAT-ID #353726	Thermo-Lag - 330-1 Prefabricated band panels 1.250" (+/- .250") thick x 4.8 x 9.12-ft - Last price update was Feb-2016	8	each	8,162.00		1					Mech-M	\$65,296.00
2A-Thermo-Lag - Materials-2017 - Conduit			2-Materials	Material- Thermo-Lag	2017	Thermo-Lag - 770-1 Mat - CAT-ID #211978	Thermo-Lag - 770-1 Mat - Sheet Form - 378" (+/- 125") thick x 40' wide x 84' long - Flexible product - Last price update was Feb-2016	65	each	3,488.00		1					Mech-M	\$226,720.00
3A-RP Support-2016						3A-RP Support-2016												\$24,309.00
3A-RP Support-2016			3-Implementation	Alarm-Engineering	2016	Alarm Engineer	HP-Alarm engineering input	5	week			1					Contractor-100	\$20,600.00
3A-RP Support-2016			3-Implementation	Rad Protection	2016	Rad Protection	Radiation Protection Coverage	6	week			1					Contractor-100	\$3,708.00
3A-RP Support-2017						3A-RP Support-2017												\$46,748.00
3A-RP Support-2017			3-Implementation	Rad Protection	2017	Rad Protection	Radiation Protection Coverage	48	week			1					Contractor-100	\$46,704.00
3A-RP Support-2017			3-Implementation	Rad Protection	2017	RP-Decom Technician	Decom support	2	week			2					Contractor-100	\$5,038.00
3A-RP Support-2017			3-Implementation	Rad Waste	2017	Rad Waste	Rad Waste	200	lb	4.77		1					Rad-Waste	\$954.00
3A-RP Support-2016						3A-RP Support-2016												\$24,416.00
3A-RP Support-2016			3-Implementation	Alarm-Engineering	2016	Alarm Engineer	HP-Alarm engineering input	2	week			1					Contractor-100	\$8,720.00
3A-RP Support-2016		RFP Work	3-Implementation	Rad Protection	2016	Rad Protection	Radiation Protection Coverage - Account for risk coverage	2	week			2					Contractor-100	\$13,692.00
3A-RP Support-2016		RFP Work	3-Implementation	Rad Protection	2016	RP-Decom Technician	Decom support	1	week			2					Contractor-100	\$1,744.00
3B-Work Order Planning						3B-Work Order Planning												\$78,160.00
3B-Work Order Planning			3-Implementation	Planning	2016	Work Order Development	Work Order Planning	16	week			1					Contractor-80	\$86,228.00
3B-Work Order Planning			3-Implementation	Planning	2017	Work Order Development	Work Order Planning	4	week			1					Contractor-80	\$15,284.00
3B-Work Order Planning			3-Implementation	Planning	2018	Work Order Development	Work Order Planning	1	week			1					Contractor-80	\$3,924.00
3C-In-Processing						3C-In-Processing												\$41,626.16
3C-In-Processing			3-Implementation	Iron Worker	2016	In-processing and tagging contractors / vendors	In processing	4	Man			1					Iron Worker-40	\$8,272.80
3C-In-Processing			3-Implementation	Laborer	2016	In-processing and tagging contractors / vendors	In processing	2	Man			1					Laborer-40	\$2,878.00
3C-In-Processing			3-Implementation	Electrician	2016	In-processing and tagging contractors / vendors	In processing	6	Man			1					Electrician-40	\$12,286.64
3C-In-Processing			3-Implementation	Insulator	2017	In-processing and tagging contractors / vendors	In processing	6	Man			1					Insulator-40	\$18,181.20
3D-Training Certification						3D-Training Certification												\$8,272.80
3D-Training Certification			3-Implementation	Iron Worker	2016	Training Qualification & Mock-up	Welders / electricians / specialty training for new products, tooling, or equipment / Mock up details for steel in welding plant	4	Man			1					Iron Worker-40	\$8,272.80
3E-Skip Fabrication-2016						3E-Skip Fabrication-2016												\$10,853.27
3E-Skip Fabrication-2016			3-Implementation	Iron Worker	2016	Handle materials - Skip prefab	Handle Materials	3	person			1	1.3				Iron Worker-40	\$4,033.07
3E-Skip Fabrication-2016			3-Implementation	Operating Engineer	2016	Handle materials - Skip prefab	Handle Materials	1	person			1	1.3				Operating Engineer-40	\$1,289.58

Location	RFO Task	DOM	Grouping	Shutdown	Year	Description	Note	Takeoff Quantity Base	Unit	Max Unit Price	Labor Prod	Takeoff Multiplier	Labor Factor	Labor Hours	Labor Rate	Lab. Mx	Grand Total
3E-Shop Fabrication-2016			3-Implementation	Teamster	2016	Handle materials - Shop prelab	Handle Materials	1	person			1	1.3			Teamster-40	\$1,545.74
3E-Shop Fabrication-2016			3-Implementation	Iron Worker	2016	Access Panel Frame - EC-279417 - C-006	Fabricate - Cut Prep angle, 1st bar, stem channel @ 8 hrs / FR and weld frame 2-3/8" x 2-3/8" @ 4.5 hrs	1	Each			1	1.5			Iron Worker-40	\$696.00
3E-Shop Fabrication-2016			3-Implementation	Iron Worker	2016	Shop fabricate small 3/4" conduit supports	Fabricate conduit supports	16	Each			1	1.3			Iron Worker-40	\$3,276.67
3E-Shop Fabrication-2017						3E-Shop Fabrication-2017											\$63,446.16
3E-Shop Fabrication-2017			3-Implementation	Iron Worker	2017	Handle materials - Shop prelab	Handle Materials	3	person			1	1.3			Iron Worker-40	\$12,451.61
3E-Shop Fabrication-2017			3-Implementation	Operating Engineer	2017	Handle materials - Shop prelab	Handle Materials	1	person			1	1.3			Operating Engineer-40	\$4,009.15
3E-Shop Fabrication-2017			3-Implementation	Teamster	2017	Handle materials - Shop prelab	Handle Materials	1	person			1	1.3			Teamster-40	\$4,772.23
3E-Shop Fabrication-2017			3-Implementation	Iron Worker	2017	Conduit Support Frame - EO-279417 - C-003	Fabricate - Cut 1-1/8" plate @ 5 hrs - Cut 3" tube steel @ 2 hrs - Cut 1/2" pipe @ 1 hr - Prep, FR and weld frame @ 4 hrs	1	Each			6	1.5			Iron Worker-40	\$4,779.94
3E-Shop Fabrication-2017			3-Implementation	Iron Worker	2017	Conduit Support Bracket - EC-279417 - C-004	Fabricate - Cut 1/2" plate @ 2 hrs - Cut angle @ 1.5 hrs - Drill holes for U-bolts & Allthread @ 2.5 hrs	1	Each			5	1.5			Iron Worker-40	\$2,594.05
3E-Shop Fabrication-2017			3-Implementation	Iron Worker	2017	Conduit Vial Support - EC-279417 - C-005	Fabricate - Cut 3/4" plate @ 2.5 hrs - Cut 3" tube steel @ 1.5 hrs - Cut 1/2" pipe @ 1 hr - Prep, FR and weld frame @ 5.5 hrs	1	Each			5	1.5			Iron Worker-40	\$4,359.69
3E-Shop Fabrication-2017			3-Implementation	Iron Worker	2017	Fluor Conduit Support Frame - EC-279417 - C-007 - 28-3/8"	Fabricate - Cut Prep Plate, bar, tube @ 6.07 hrs / Drill holes @ 6.5 hrs / FR up - Weld @ 5.5 hrs	1	Each			8	1.5			Iron Worker-40	\$11,692.24
3E-Shop Fabrication-2017			3-Implementation	Iron Worker	2017	Fluor Conduit Support Frame - EC-279417 - C-008 - 19-3/8"	Fluor Conduit Support Frame @ 16.8 hrs / Drill holes - 21.18 hrs / FR up - Weld @ 20.78 hrs	1	Each			1	1.5			Iron Worker-40	\$4,846.74
3F-Pre-Implementation-2016			3-Implementation	Electrician	2016	Electrical pre-implementation	Pre-Implementation - Shop, walkdown, field verifications, travel cash, patch needs, cover needs, tubing, determine field	5	Man							Electrician-40	\$7,371.50
3F-Pre-Implementation-2017			3-Implementation	Iron Worker	2017	Mechanical pre-implementation	Pre-Implementation - Set-up, walkdown, field verifications, travel patch, patch needs, cover needs, tubing, determine field	4	Man			1				Iron Worker-40	\$5,106.36
3G-Field Impl.-2" Conduit			3-Implementation	Insulator	2017	Handle thermo-lag products	Handle thermo-lag products	4	Man			1	1.3			Insulator-40	\$11,824.34
3G-Field Impl.-2" Conduit			3-Implementation	Insulator	2017	Install Thermo-Lag 336-1 pre-shaped insulation - Conduit	1ST Layer: install hard formed sections that come in two half-36" long, coat all edges with 330-1 thermal conductant and install 2ND Layer: install 770-1 Mat - Fluor-steel material 40" wide x 64" long, cut to size for wrapping - (also this product has) coat all 3RD Layer: install 770-1 Mat - Fluor-steel material 40" wide x 64" long, cut to size for wrapping - (also this product has) coat all 4TH Layer: install 770-1 Mat - Fluor-steel material 40" wide x 64" long, cut to size for wrapping - (also this product has) coat all	450	LF			2	1.4			Insulator-40	\$100,279.52
3G-Field Impl.-2" Conduit			3-Implementation	Insulator	2017	Install Thermo-Lag 770-1 Mat - 2nd Layer	2ND Layer: install 770-1 Mat - Fluor-steel material 40" wide x 64" long, cut to size for wrapping - (also this product has) coat all	450	LF			2	1.4			Insulator-40	\$129,930.91
3G-Field Impl.-2" Conduit			3-Implementation	Insulator	2017	Install Thermo-Lag 770-1 Mat with Fibre-75 - 3rd Layer	3RD Layer: install 770-1 Mat - Fluor-steel material 40" wide x 64" long, cut to size for wrapping - (also this product has) coat all	450	LF			2	1.4			Insulator-40	\$143,256.46
3G-Field Impl.-2" Conduit			3-Implementation	Insulator	2017	Install Thermo-Lag 330-1 Pre-sharped panels and 770-1 Mat - 4th Layer	Cut to size 330-1 hard panel material, coat with 330-1 thermal conductant to all contact surfaces, wrap with 770-1 Mat and coat all special conduits	21	each			2	2			Insulator-40	\$47,752.15
3G-Field Impl.-2" Conduit			3-Implementation	Insulator	2017	Special thermo lagged conduit	Special conduits	2	man			1	1.3			Insulator-40	\$1,773.95
3G-Field Impl.-3/4" Conduit			3-Implementation	Insulator	2017	Handle thermo-lag products	Handle thermo-lag products	2	Man			1	1.3			Insulator-40	\$62,123.28
3G-Field Impl.-3/4" Conduit			3-Implementation	Insulator	2017	Install Thermo-Lag 330-1 pre-shaped insulation - Conduit	1ST Layer: install hard formed sections that come in two half-36" long, coat all edges with 330-1 thermal conductant and install 2ND Layer: install 770-1 Mat - Fluor-steel material 40" wide x 64" long, cut to size for wrapping - (also this product has) coat all 3RD Layer: install 770-1 Mat - Fluor-steel material 40" wide x 64" long, cut to size for wrapping - (also this product has) coat all 4TH Layer: install 770-1 Mat - Fluor-steel material 40" wide x 64" long, cut to size for wrapping - (also this product has) coat all	40	LF			2	1.4			Insulator-40	\$6,913.24
3G-Field Impl.-3/4" Conduit			3-Implementation	Insulator	2017	Install Thermo-Lag 770-1 Mat - 2nd Layer	2ND Layer: install 770-1 Mat - Fluor-steel material 40" wide x 64" long, cut to size for wrapping - (also this product has) coat all	40	LF			2	1.4			Insulator-40	\$11,460.52
3G-Field Impl.-3/4" Conduit			3-Implementation	Insulator	2017	Install Thermo-Lag 770-1 Mat - 3rd Layer	3RD Layer: install 770-1 Mat - Fluor-steel material 40" wide x 64" long, cut to size for wrapping - (also this product has) coat all	40	LF			2	1.4			Insulator-40	\$12,697.21
3G-Field Impl.-3/4" Conduit			3-Implementation	Insulator	2017	Install Thermo-Lag 770-1 Mat with Fibre-75 - 4th Layer	4TH Layer: install 770-1 Mat - Fluor-steel material 40" wide x 64" long, cut to size for wrapping - (also this product has) coat all	40	LF			2	1.4			Insulator-40	\$12,733.91
3G-Field Impl.-3/4" Conduit			3-Implementation	Insulator	2017	Install Thermo-Lag 330-1 Pre-sharped panels and 770-1 Mat - 4th Layer	Cut to size 330-1 hard panel material, coat with 330-1 thermal conductant to all contact surfaces, wrap with 770-1 Mat and coat all special conduits	8	each			2	2			Insulator-40	\$11,553.04
3G-Field Impl.-3/4" Conduit			3-Implementation	Insulator	2017	Special thermo lagged conduit	Special conduits	2	man			1	1.3			Insulator-40	\$1,182.42
3G-Field Impl-Access Panel to Electrical Chase			3-Implementation	Iron Worker	2016	Access Panel Frame to Electrical Chase	Remove existing panel wall sections and close in room @ 8 hrs / install steel and non-ferrous sheet metal mesh @ 6 hrs / Electrical ceiling setup and abandonment needed	3	Man			1	1.3			Iron Worker-40	\$10,889.26
3G-Field Impl-Access Panel to Electrical Chase			3-Implementation	Electrician	2016	Access Panel Frame to Electrical Chase	Electrical ceiling setup and abandonment needed	2	man			1	1.3			Electrician-40	\$3,129.56
3G-Field Impl-Access Panel to Electrical Chase			3-Implementation	Carpenter	2016	Access Panel Frame to Electrical Chase	Modify existing wall running east and west to allow wall panels to open/collapse	2	man			1	1.3			Carpenter-40	\$534.17
3G-Field Impl-Conduit 11834-3/4" - RFO			3-Implementation	Carpenter	2016	Erect - Single Long - E-oval type scaffolding	Erect scaffold, includes hauling materials from storage area.	4	Man			2	1.3			Carpenter-72	\$4,793.26
3G-Field Impl-Conduit 11834-3/4" - RFO			3-Implementation	Electrician	2016	Remove - Single Long - E-oval type scaffolding	Remove scaffolding, includes hauling materials back to storage area.	2	Man			2	1.5			Electrician-72	\$6,212.48
3G-Field Impl-Conduit 11834-3/4" - RFO			3-Implementation	Carpenter	2016	Remove - Single Long - E-oval type scaffolding	Remove scaffolding, includes hauling materials back to storage area.	4	Man			2	1.3			Carpenter-72	\$3,266.16
3G-Field Impl-Conduit 11834-3/4" - Non-RFO			3-Implementation	Electrician	2016	Install splice box B186A - 12" x 12" x 8"	Mount splice box - includes handling, positioning, with unguilt/1/2" bolts	1	Each			1	1.5			Electrician-40	\$1,694.21
3G-Field Impl-Conduit 11834-3/4" - Non-RFO			3-Implementation	Electrician	2016	Install nonferrous 195-8-159	Cut off hole through 16-4" box to route new 3/4" conduit	1	Each			3	1.76			Electrician-40	\$6,847.37
3G-Field Impl-Conduit 11834-3/4" - Non-RFO			3-Implementation	Electrician	2016	3/4" Conduit - Galvanized Rigid Steel - Install	Nonferrous includes an allowance for wire, bends, threading and electrical fittings / conduits	90	LF			1	1.76			Electrician-40	\$2,221.68
3G-Field Impl-Conduit 11834-3/4" - Non-RFO			3-Implementation	Electrician	2016	14-Hole Sling - Conduit support (Base = 3/4")	Galvanized - install support with 1/2" (2) anchor bolts @ 3.2 hrs / assemble support @ 2 hrs	15	EA			1	2			Electrician-40	\$5,375.06
3G-Field Impl-Conduit 11834-3/4" - Non-RFO			3-Implementation	Electrician	2016	Cut hole through the metal panel wall @ 28-4" above Horizontal	Cut hole to route 3/4" conduit through an existing metal panel wall	2	person			1	1.5			Electrician-40	\$767.57



7														Takeoff		Labor		Takeoff		Labor					
8	Location	RFO	OSM	Grouping	Breakdown	Year	Description	Note	Quantity -	Unit	Mat Unit	Labor Prod	Takeoff	Labor	Unit	Rate	Unit	Rate	Unit	Rate	Unit	Rate			
155	3G-Field Impl.Condit. 11834-3W-Non-RFO			3-Implementation	Electricians	2016	Install splice box 6107B - 12" x 12" x 6"	Mount splice box - includes handling, positioning, with unistrut/tilt anchors.	1	Each		1	1.5				Electrician-40	\$1,094.21							
156	3G-Field Impl.Condit. 11834-3W-Non-RFO			3-Implementation	Electricians	2016	Pull cable 2x6/16 shielded twisted pair	Pull cable from box 185A to 5187A.	100	LF		1	2					Electrician-40	\$307.15						
157	3G-Field Impl.Condit. 11834-3W-Non-RFO			3-Implementation	Electricians	2016	Cable splice	Manhours include preparing cable ends and making splices, added 1/2 manhours for overhead and motor draws for each seal penetration.	2	EA		2	1.3					Electrician-40	\$1,330.97						
158	3G-Field Impl.Condit. 11834-3W-Non-RFO			3-Implementation	Electricians	2016	Seal Penetration	Seal Penetration	2	person		2	1.78					Electrician-40	\$4,306.04						
159	3G-Field Impl.Condit. 11834-3W-Non-RFO			3-Implementation	Carpenter	2016	Erect - Single Long - E-oval type scaffolding	Erect scaffold, includes handling materials from storage area.	4	Man		7	1.3					Carpenter-40	\$13,450.25						
160	3G-Field Impl.Condit. 11834-3W-Non-RFO			3-Implementation	Carpenter	2016	Remove - Single Long - E-oval type scaffolding	Remove scaffold, includes handling materials back to storage area.	4	Man		7	1.3					Carpenter-40	\$9,417.28						
161	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO															\$292,808.92			
162	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	Install splice box B140B - 30" x 20" x 10" - EC-279412-C-001 - 0" EV.	Mount splice box - includes handling, positioning, with unistrut/tilt anchors.	1	Each		1	1.5					Electrician-40	\$1,738.51						
163	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	Install splice box B148B - 30" x 20" x 10" - EC-279412-C-001 - 45' EV.	Mount splice box - includes handling, positioning, with unistrut/tilt anchors.	1	Each		1	1.5					Electrician-40	\$1,446.12						
164	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	Install 4" conduit from box B148B to overhead cable tray	Manhours include an allowance for cuts, bends, bending and attaching fittings / conduits.	10	LF		1.5	1.5					Electrician-40	\$1,730.80						
165	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	2-Hole Strap - Conduit support (Size = 4") - Wall Support	Calculate laboring unistrut and gathering hardware @ 2 hrs. / install with HIR (2) anchor bolts @ 3.2 hrs. / assemble support @ 2 hrs.	2	EA		1.5	1.5					Electrician-40	\$1,422.41						
166	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	Install 2" conduit from box B148B to overhead cable tray	Manhours include an allowance for cuts, bends, bending and attaching fittings / conduits.	10	LF		1.5	1.5					Electrician-40	\$1,746.77						
167	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	2-Hole Strap - Conduit support (Size = 2") - Wall Support	Calculate laboring unistrut and gathering hardware @ 2 hrs. / install with HIR (2) anchor bolts @ 3.2 hrs. / assemble support @ 2 hrs.	2	EA		1.5	1.5					Electrician-40	\$1,327.59						
168	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	Install 2" conduit from box B148B to 19" x 19" penetration point	Calculate laboring unistrut and gathering hardware @ 2 hrs. / install with HIR (2) anchor bolts @ 3.2 hrs. / assemble support @ 2 hrs.	60	LF		1.5	2					Electrician-40	\$5,974.14						
169	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	2-Hole Strap - Conduit support (Size = 2") - Ceiling Straps	Calculate laboring unistrut and gathering hardware @ 2 hrs. / install with HIR (2) anchor bolts @ 3.2 hrs. / assemble support @ 2 hrs.	2	EA		1.5	1.5					Electrician-40	\$1,327.59						
170	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	2-Hole Strap - Conduit support (Size = 2") - Ceiling Straps	Calculate laboring unistrut and gathering hardware @ 2 hrs. / install with HIR (2) anchor bolts @ 3.2 hrs. / assemble support @ 2 hrs.	30	LF		1.5	2.5					Electrician-40	\$3,733.84						
171	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	2-Hole Strap - Conduit support (Size = 2") - Ceiling Straps	Calculate laboring unistrut and gathering hardware @ 2 hrs. / install with HIR (2) anchor bolts @ 3.2 hrs. / assemble support @ 2 hrs. / R&R penetration material	2	Man		1	1.5					Electrician-40	\$7,802.30						
172	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Iron Worker	2017	Floor Conduit Support Frame - EC-279417 - C-007 - 29'-8 1/2" x 8 1/2"	Install - Lay-out and drill 4 holes through the floor / install @ 6 hrs. / Mount base plate 2 hrs / E-oval x 2 holes @ 5 hrs. Includes field time for working under the hood while installing hangers that through room.	2	Man		8	3					Iron Worker-40	\$43,420.96						
173	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Iron Worker	2017	Floor Conduit Support Frame - EC-279417 - C-007 - 29'-8 1/2" x 8 1/2"	Field time for working under the hood while installing hangers that through room.	2	Man		8	2					Iron Worker-40	\$10,216.70						
174	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Iron Worker	2017	Floor Conduit Support Frame - EC-279417 - C-007 - 29'-8 1/2" x 8 1/2"	Field time for working under the hood while installing hangers that through room.	1	Each		8	1.5					Laborer-40	\$1,777.76						
175	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Iron Worker	2017	Floor Conduit Support Frame - EC-279417 - C-008 - 19'-5 1/2" x 8 1/2"	Field time for working under the hood while installing hangers that through room.	1	Each		1	4					Iron Worker-40	\$4,630.99						
176	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Iron Worker	2017	Floor Conduit Support Frame - EC-279417 - C-008 - 19'-5 1/2" x 8 1/2"	Field time for working under the hood while installing hangers that through room.	1	Each		2	1.5					Laborer-40	\$688.87						
177	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Iron Worker	2017	Floor Conduit Support Frame - EC-279417 - C-003	Field time for working under the hood while installing hangers that through room.	1	Each		5	2					Iron Worker-40	\$14,101.18						
178	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Iron Worker	2017	Floor Conduit Support Frame - EC-279417 - C-005	Field time for working under the hood while installing hangers that through room.	1	Each		5	3					Iron Worker-40	\$15,963.90						
179	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	Install 10210-2" conduit from connection point "spare" @ 20' E-oval and continue north from east to bench area	Manhours include an allowance for cuts, bends, bending and attaching fittings / conduits. Approx. 60% Manhours include an allowance for cuts, bends, bending and attaching fittings / conduits.	80	LF		1.5	2					Electrician-40	\$7,965.62						
180	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	2-Hole Strap - Conduit support (Size = 2") - Ceiling Straps	Calculate laboring unistrut and gathering hardware @ 2 hrs. / install with HIR (2) anchor bolts @ 3.2 hrs. / assemble support @ 2 hrs.	16	EA		1.5	1.6					Electrician-40	\$6,806.80						
181	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	Install 2" conduit from box B148B to overhead cable tray C10-C17	Manhours include an allowance for cuts, bends, bending and attaching fittings / conduits.	14	LF		4	2					Electrician-40	\$4,779.31						
182	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	2-Hole Strap - Conduit support (Size = 2") - Wall Support	Calculate laboring unistrut and gathering hardware @ 2 hrs. / install with HIR (2) anchor bolts @ 3.2 hrs. / assemble support @ 2 hrs.	4	EA		1.5	1.6					Electrician-40	\$2,865.17						
183	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	Cable Pull - Setup	Cable Pull - Man hours for cable pull separate on-off / For pulls in excess of 100' with cable bar / dispenser. Allow for one electrician.	1	Man		5	1.3					Electrician-40	\$16,436.70						
184	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	Cable Pull - 600V - 120W12	Cable Pull	100	LF		1	1.5					Electrician-40	\$474.14						
185	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	Cable Pull - 600V - 120W12	Cable Pull	250	LF		1	1.5					Electrician-40	\$1,185.35						
186	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	Cable Pull - 600V - 120W12	Cable Pull	250	LF		1	1.5					Electrician-40	\$2,860.34						
187	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	Cable Pull - 600V - 90W12-AWG	Cable Pull	450	LF		1	1.3					Electrician-40	\$3,568.04						
188	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	Cable Pull - 600V - 90W12-AWG	Cable Pull	800	LF		1	1.5					Electrician-40	\$3,568.04						
189	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	Cable Pull - 600V - 120W12	Cable Pull	300	LF		1	1.5					Electrician-40	\$7,112.07						
190	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2017	Install ground cabling	Ground Cable	440	LF		2	1.5					Electrician-40	\$4,172.41						
191	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Carpenter	2017	Erect - Single Long - E-oval type scaffolding	Erect scaffold, includes handling materials from storage area.	4	Man		16	1.3					Carpenter-40	\$31,685.84						
192	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Carpenter	2017	Remove - Single Long - E-oval type scaffolding	Remove scaffold, includes handling materials back to storage area.	4	Man		16	1.3					Carpenter-40	\$22,152.15						
193	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Carpenter	2017	Erect - Ripping - E-oval type scaffolding with aluminum rigging beam attached	Erect scaffold, includes handling materials from storage area. (Hoodle 28'-0" elevation)	4	Man		6	1.3					Carpenter-40	\$21,097.29						
194	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Carpenter	2017	Remove - Ripping - E-oval type scaffolding with aluminum rigging beam attached	Remove scaffold, includes handling materials back to storage. (Hoodle 28'-0" elevation)	4	Man		6	1.3					Carpenter-40	\$16,460.13						
195	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO			3-Implementation	Electricians	2018	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO															\$35,206.54			
196	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO		OSM	3-Implementation	Electricians	2018	Cut Cable & Splice - 10928A @ MH-146	Splice Cable - 10928A	1	Each		2	2					Electrician-72	\$1,880.23						
197	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO		OSM	3-Implementation	Electricians	2018	Delam cable 10928A @ 125VDC Bus 1A CRT-6	Delam cable	1	Each		2	1.5					Electrician-72	\$308.28						
198	3G-Field Impl.RAB-11980-03 / 10210-2'-Non-RFO		OSM	3-Implementation	Electricians	2018	Terminate new cable 10928A @ 125VDC Bus 1A CRT-6	Terminate new cable and test	1	Each		2	1.5					Electrician-72	\$582.42						

Location	RFO Work	OSM	Grouping	Breakdown	Year	Description	Notes	Takeoff Quantity - Base	Unit	Mat Unit Price	Labor Price	Takeoff Multiplier	Labor Factor	Labor Hours	Labor Rate	Labor Mix	Grand Total
3G-Field Impl/RAB-11890-4310210 - 2"	RFO Work	OSM	3-Implementation	Electricians	2016	Cut and pull cable @ tray C10-1607, C10-208, C12-1606, C12-208 to splice boxes B1489 & B1558	Cut and pull cable 108.33ft out of tray C10-1607 to Box #1489 via conduit 11979-4	450	LP			2.25	1.3			Electricians-72	\$4,395.44
3G-Field Impl/RAB-11890-4310210 - 2"	RFO Work	OSM	3-Implementation	Electricians	2016	Label spare cables		1	each			2	1.5			Electricians-72	\$2,250.00
3G-Field Impl/RAB-11890-4310210 - 2"	RFO Work	OSM	3-Implementation	Electricians	2016	Terminate new cable in splice boxes B1489 & B1558	Terminate cable and test	16	Each			2	1.5			Electricians-72	\$9,316.72
3G-Field Impl/RAB-11890-4310210 - 2"	RFO Work	OSM	3-Implementation	Carpenter	2016	Erect - Single Long - Exact type scaffolding	Erect scaffold, includes hauling materials from storage area.	4	Men			3	1.3			Carpenter-72	\$7,189.53
3G-Field Impl/RAB-11890-4310210 - 2"	RFO Work	OSM	3-Implementation	Carpenter	2016	Removal - Single Long - Exact type scaffolding	Remove scaffold, includes hauling materials back to storage area.	4	Men			3	1.3			Carpenter-72	\$6,032.74
3G-Field Implementation-Support			3-Implementation	Iron Worker	2017	Handle materials - Field	Handle Materials	1	Each			3	1.3			Iron Worker-40	\$12,451.61
3G-Field Implementation-Support			3-Implementation	Operating Engineer	2017	Handle materials - Field	Handle Materials	1	Each			1	1.3			Operating Engineer-40	\$4,006.15
3G-Field Implementation-Support			3-Implementation	Teamster	2017	Handle Materials - Field	Handle Materials	1	Each			1	1.3			Teamster-40	\$4,772.23
3G-Field Implementation-Support			3-Implementation	Painter	2017	Prep Prime and Paint Supports / Access Panel	Prep Prime and Paint Supports	2	person			1	1.3			Painter-40	\$9,414.50
3G-Field Implementation-Support			3-Implementation	Laborer	2017	Pinpoint / FME / Confined Space / Gas clearing duties	Pinpoint / FME / Confined Space / Gas clearing duties	20	week			2				Laborer-40	\$59,259.24
3G-FIM Implementation-Support	RFO Work	OSM	3-Implementation	Laborer	2016	Pinpoint / FME / Confined Space / Gas clearing duties	Pinpoint / FME / Confined Space / Gas clearing duties	1.5	week			1				Laborer-72	\$9,716.81
3G-Field Implementation-Support	RFO Work	OSM	3-Implementation	Asbestos Contractor	2016	Adjusts abatement contractor to support cable work	Asbestos work in cable trays	1	hour			1				Asbestos-Contractor	\$36,100.00
3H-Testing						3H-Testing											\$21,200.00
3H-Testing			3-Implementation	NDE	2017	Non-destructive examination - NDE	Weld Inspection - Visual / PT / Ring-penet / RX	60	hr			1				NDE-Technician	\$21,200.00
3H-Foreman / Gen.Foreman-2016						3H-Foreman / Gen.Foreman-2016											\$19,881.21
3H-Foreman / Gen.Foreman-2016			3-Implementation	Carpenter - FM	2016	Foreman / Gen Foreman	Foreman @ 10%	1	hour			1				Carpenter-40	\$2,443.64
3H-Foreman / Gen.Foreman-2016			3-Implementation	Electrical - FM	2016	Foreman / Gen Foreman	Foreman @ 20%	1	hour			1				Electrician-40	\$9,924.72
3H-Foreman / Gen.Foreman-2016			3-Implementation	Iron Worker - FM	2016	Foreman / Gen Foreman	Foreman @ 20%	1	hour			1				Iron Worker-40	\$7,301.30
3H-Foreman / Gen.Foreman-2016			3-Implementation	Laborer - FM	2016	Foreman / Gen Foreman	Foreman @ 10%	1	hour			1				Laborer-40	\$266.55
3H-Foreman / Gen.Foreman-2016			3-Implementation	Operating Engineer - FM	2016	Foreman / Gen Foreman	Foreman @ 10%	1	hour			1				Operating Engineer-40	\$257.50
3H-Foreman / Gen.Foreman-2016			3-Implementation	Teamster - FM	2016	Foreman / Gen Foreman	Foreman @ 10%	1	hour			1				Teamster-40	\$257.50
3H-Foreman / Gen.Foreman-2017						3H-Foreman / Gen.Foreman-2017											\$181,301.75
3H-Foreman / Gen.Foreman-2017			3-Implementation	Carpenter - FM	2017	Foreman / Gen Foreman	Foreman @ 10%	1	hour			1				Carpenter-40	\$9,895.00
3H-Foreman / Gen.Foreman-2017			3-Implementation	Electrical - FM	2017	Foreman / Gen Foreman	Foreman @ 20%	1	hour			1				Electrician-40	\$19,890.72
3H-Foreman / Gen.Foreman-2017			3-Implementation	Insulator - FM	2017	Foreman / Gen Foreman	Foreman @ 20%	1	hour			1				Insulator-40	\$108,966.88
3H-Foreman / Gen.Foreman-2017			3-Implementation	Iron Worker - FM	2017	Foreman / Gen Foreman	Foreman @ 20%	1	hour			1				Iron Worker-40	\$32,765.97
3H-Foreman / Gen.Foreman-2017			3-Implementation	Laborer - FM	2017	Foreman / Gen Foreman	Foreman @ 10%	1	hour			1				Laborer-40	\$6,564.02
3H-Foreman / Gen.Foreman-2017			3-Implementation	Operating Engineer - FM	2017	Foreman / Gen Foreman	Foreman @ 10%	1	hour			1				Operating Engineer-40	\$1,807.00
3H-Foreman / Gen.Foreman-2017			3-Implementation	Painter - FM	2017	Foreman / Gen Foreman	Foreman @ 10%	1	hour			1				Painter-40	\$897.94
3H-Foreman / Gen.Foreman-2017			3-Implementation	Teamster - FM	2017	Foreman / Gen Foreman	Foreman @ 10%	1	hour			1				Teamster-40	\$1,115.63
3H-Foreman / Gen.Foreman-2016						3H-Foreman / Gen.Foreman-2016											\$6,844.76
3H-Foreman / Gen.Foreman-2016	RFO Work		3-Implementation	Carpenter - FM	2016	Foreman / Gen Foreman	Foreman @ 10%	1	hour			1				Carpenter-72	\$2,220.33
3H-Foreman / Gen.Foreman-2016	RFO Work	OSM	3-Implementation	Electrical - FM	2016	Foreman / Gen Foreman	Foreman @ 20%	1	hour			1				Electrician-40	\$6,363.31
3H-Foreman / Gen.Foreman-2016	RFO Work	OSM	3-Implementation	Laborer - FM	2016	Foreman / Gen Foreman	Foreman @ 10%	1	hour			1				Laborer-40	\$1,068.12
3J-Non-Manual-2016						3J-Non-Manual-2016											\$24,530.98
3J-Non-Manual-2016			3-Implementation	Printing	2016	Package development - NPS Support for misc. (Staff / Point / Installation)	Work order development for supplemental work	3	week			1				Contractor-90	\$11,124.00
3J-Non-Manual-2016			3-Implementation	DEZ Superintendant	2016	DEZ Superintendant - NPS Superintendant	Superintendant Oversight	1	hour			1				Field Supervisor	\$11,353.03
3J-Non-Manual-2016			3-Implementation	DEZ Admin	2016	Administration Staff - NPS	Administration Staff - NPS	1	hour			1				Field Admin	\$2,043.93
3J-Non-Manual-2017						3J-Non-Manual-2017											\$165,687.66
3J-Non-Manual-2017			3-Implementation	Printing	2017	Package development - NPS Support for misc. (Staff / Point / Installation)	Work order development for supplemental work	5	work			1				Contractor-90	\$19,080.00
3J-Non-Manual-2017			3-Implementation	DEZ Superintendant	2017	DEZ Superintendant - NPS Superintendant	Superintendant Oversight	1	hour			1				Field Supervisor	\$115,553.25
3J-Non-Manual-2017			3-Implementation	DEZ Admin	2017	Administration Staff - NPS	Administration Staff - NPS	1	hour			1				Field Admin	\$21,034.64
3J-Non-Manual-2018						3J-Non-Manual-2018											\$44,948.50
3J-Non-Manual-2018			3-Implementation	DEZ Superintendant	2018	DEZ Superintendant - NPS Superintendant	Superintendant Oversight	1	hour			1				Field Supervisor	\$42,782.50

7	Project Name: 14-199-1993 Project Cable in Fire Area - 4M 4.23M - 14918 / Contract 1.31e 2016																	
8	Location	RFO Work	OSM	Grouping	Breakdown	Year	Description	Rate	Quantity	Unit	Material Price	Labor Price	Take-off Multiplier	Labor Factor	Labor Hours	Labor Rate	Labor Mix	Grand Total
276	21-Non-Attainable			3-Implementation	D&Z Admin	2018	Administration Staff - NPS	Administration Staff - NPS	1	hour			1				Field Admin	\$2,160.00
277	21-Non-Attainable			3-Implementation	Construction Supervisor	2016	Construction Supervisor - Projects Department - Oversight	Project Oversight	8	week			1				Contractor-60	\$107,626.00
278	21-Non-Attainable			3-Implementation	Construction Supervisor	2017	Construction Supervisor - Projects Department - Oversight	Project Oversight	42	week			1				Contractor-60	\$120,264.00
279	21-Non-Attainable			3-Implementation	Construction Supervisor	2018	Construction Supervisor - Projects Department - Oversight	Project Oversight	2.5	week			1				Contractor-60	\$17,658.00
280	21-Non-Attainable			3-Implementation	QC	2018	Quality Control - Support	QC Coverage	1	hour			1				Quality Control-40	\$10,484.00
281	21-Non-Attainable			4-Project Support	Project Manager	2015	Project Manager - FPL	Jan-2015 - Actuals	1	hour			1				Project Manager-FPL	\$58,714.08
282	21-Non-Attainable			4-Project Support	Project Manager	2016	Project Manager - Contractor	Manager of project	1	hour			1				Project Manager - Contractor	\$48,868.00
283	21-Non-Attainable			4-Project Support	Project Administrator	2016	Project Administrator	Admin for project support	1	hour			1				Project -Admin	\$2,068.40
284	21-Non-Attainable			4-Project Support	Project Administrator	2017	Project Administrator	Admin for project support	1	hour			1					\$127,836.00
285	21-Non-Attainable			4-Project Support	Project Administrator	2017	Project Administrator	Admin for project support	1	hour			1					\$124,620.00
286	21-Non-Attainable			4-Project Support	Project Administrator	2017	Project Administrator	Admin for project support	1	hour			1					\$3,816.00
287	21-Non-Attainable			4-Project Support	Project Administrator	2018	Project Administrator	Admin for project support	1	hour			1					\$71,840.00
288	21-Non-Attainable			4-Project Support	Project Administrator	2018	Project Administrator	Admin for project support	1	hour			1					\$59,016.00
289	21-Non-Attainable			4-Project Support	Project Administrator	2018	Project Administrator	Admin for project support	1	hour			1					\$3,024.00
290	21-Non-Attainable			4-Project Support	Scheduler	2016	Scheduler Support	Schedule project activities	1	hour			1					\$66,238.00
291	21-Non-Attainable			4-Project Support	Scheduler	2017	Scheduler Support	Schedule project activities	1	hour			1					\$41,200.00
292	21-Non-Attainable			4-Project Support	Cost Analyst	2016	Cost Analyst	Cost monitoring and control	1	hour			1					\$21,321.00
293	21-Non-Attainable			4-Project Support	Estimator	2016	Project Estimator	Develop Project Estimate	1	hour			1					\$3,708.00
294	21-Non-Attainable			4-Project Support	Scheduler	2017	Scheduler Support	Schedule project activities	1	hour			1					\$68,144.00
295	21-Non-Attainable			4-Project Support	Cost Analyst	2017	Cost Analyst	Cost monitoring and control	1	hour			1					\$31,800.00
296	21-Non-Attainable			4-Project Support	Estimator	2017	Project Estimator	Develop Project Estimate	1	hour			1					\$30,628.00
297	21-Non-Attainable			4-Project Support	Scheduler	2017	Scheduler Support	Schedule project activities	1	hour			1					\$2,816.00
298	21-Non-Attainable			4-Project Support	Scheduler	2018	Scheduler Support	Schedule project activities	1	hour			1					\$46,069.00
299	21-Non-Attainable			4-Project Support	Cost Analyst	2018	Cost Analyst	Cost monitoring and control	1	hour			1					\$19,620.00
300	21-Non-Attainable			4-Project Support	Estimator	2018	Project Estimator	Develop Project Estimate	1	hour			1					\$24,626.00
301	21-Non-Attainable			4-Project Support	Estimator	2018	Project Estimator	Develop Project Estimate	1	hour			1					\$5,924.00
302	21-Non-Attainable			4-Project Support	Estimator	2018	Project Estimator	Develop Project Estimate	1	hour			1					\$59,087.00
303	21-Non-Attainable			4-Project Support	Project Department	2016	Project Department Overheads	Includes: MOP, Lead PM, PCS, CAPCO @ 16% of total project management section	1	hour			1					\$16,502.00
304	21-Non-Attainable			4-Project Support	Project Department	2017	Project Department Overheads	Includes: MOP, Lead PM, PCS, CAPCO @ 15% of total project management section	1	hour			1					\$26,690.00
305	21-Non-Attainable			4-Project Support	Project Department	2018	Project Department Overheads	Includes: MOP, Lead PM, PCS, CAPCO @ 18% of total project management section	1	hour			1					\$16,616.00
306	21-Non-Attainable			5-Allocations	Outage Distribution	2016	Outage Distributed Costs (Secondary)	Includes the Hours for RP, Craft, Crew Supv. x 8 for Secondary	1	hour			1					\$28,696.01
307	21-Non-Attainable	RFO Work		5-Allocations	Outage Distribution	2016	Outage Distributed Costs (Secondary)	Includes the Hours for RP, Craft, Crew Supv. x 8 for Secondary	1	hour			1					\$28,696.01
308	21-Non-Attainable			5-Allocations	Stores Loading	2016	Stores Loading Factor	This covers store room cost for handling materials and the entire installed supply chain, dep. for projects @ 20% an average for	1	hour			1					\$1,473.68
309	21-Non-Attainable			5-Allocations	Stores Loading	2017	Stores Loading Factor	This covers store room cost for handling materials and the entire installed supply chain, dep. for projects @ 20% an average for	1	hour			1					\$224,489.81
310	21-Non-Attainable			5-Allocations	Stores Loading	2017	Stores Loading Factor	This covers store room cost for handling materials and the entire installed supply chain, dep. for projects @ 20% an average for	1	hour			1					\$324,489.81
311	21-Non-Attainable			5-Allocations	Contractor Wrap-up Ins.	2017	Contractor wrap-up Insurance - 2.5%	This covers NPS, D&Z, G&S, & D&B&I @ 2.5% of total value.	1	hour			1					\$76,181.00
312	21-Non-Attainable			5-Allocations	Contractor Wrap-up Ins.	2017	Contractor wrap-up Insurance - 2.5%	This covers NPS, D&Z, G&S, & D&B&I @ 2.5% of total value.	1	hour			1					\$31,882.50
313	21-Non-Attainable			5-Allocations	Outage Management	2018	Outage Management	Outage Management Create Participation - This is calculated by storm year and amount of credits to split the cost \$11,780 per day	10	days			1	0.25				\$31,882.50
314	21-Non-Attainable	RFO Work		5-Allocations	Outage Management	2018	Outage Management	Outage Management Create Participation - This is calculated by storm year and amount of credits to split the cost \$11,780 per day	10	days			1	0.25				\$54,181.98

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	
	Location	REQ Work	OKM	Grouping	Breakdown	Year	Description	Title	Takeoff Quantity - Bids	Unit	Mat Unit Price	Labor Prod	Takeoff Multiplier	Labor Factor	Labor Hours	Labor Rate	Labor Ma	Grand Total	
325	EO- Executive Officer - June			S-Allocations	Executive Officers	2018	Executive Officers - June Beach	Executive Officers	1	hour			1					Executive Offic	\$6,239.82
326	EO- Executive Officer - June			S-Allocations	Executive Officers	2017	Executive Officers - June Beach	Executive Officers	1	hour			5					Executive Offic	\$48,678.26
327	EO- Executive Officer - June			S-Allocations	Executive Officers	2018	Executive Officers - June Beach	Executive Officers	1	hour			1					Executive Offic	\$9,068.85
328	Contingency-2018			S-Contingency	Contingency	2018	Contingency-2018											Contingency	\$44,845.03
329	Contingency-2016			S-Contingency	Contingency	2016	Contingency - Engineering		1	hour			1					Contingency	\$9,047.90
330	Contingency-2018			S-Contingency	Contingency	2018	Contingency - Material		1	hour			1					Contingency	\$738.85
331	Contingency-2018			S-Contingency	Contingency	2018	Contingency - Implementation		1	hour			1					Contingency	\$24,798.76
332	Contingency-2016			S-Contingency	Contingency	2016	Contingency - Project Support		1	hour			1					Contingency	\$10,862.40
333	Contingency-2017			S-Contingency	Contingency	2017	Contingency-2017											Contingency	\$450,888.40
334	Contingency-2017			S-Contingency	Contingency	2017	Contingency - Engineering		1	hour			1					Contingency	\$12,338.40
335	Contingency-2017			S-Contingency	Contingency	2017	Contingency - Material		1	hour			1					Contingency	\$170,601.60
336	Contingency-2017			S-Contingency	Contingency	2017	Contingency - Implementation		1	hour			1					Contingency	\$210,630.00
337	Contingency-2017			S-Contingency	Contingency	2017	Contingency - Project Support		1	hour			1					Contingency	\$20,891.00
338	Contingency-2017			S-Contingency	Contingency	2017	Contingency - Indirect / Allocation		1	hour			1					Contingency	\$36,718.40
339	Contingency-2018			S-Contingency	Contingency	2018	Contingency-2018											Contingency	\$49,706.96
340	Contingency-2018			S-Contingency	Contingency	2018	Contingency - Engineering		1	hour			1					Contingency	\$4,578.00
341	Contingency-2018			S-Contingency	Contingency	2018	Contingency - Material		1	hour			1					Contingency	\$820.00
342	Contingency-2018			S-Contingency	Contingency	2018	Contingency - Implementation		1	hour			1					Contingency	\$19,823.70
343	Contingency-2018			S-Contingency	Contingency	2018	Contingency - Project Support		1	hour			1					Contingency	\$10,862.40
344	Contingency-2018			S-Contingency	Contingency	2018	Contingency - Indirect / Allocation		1	hour			1					Contingency	\$7,231.60

	A	B	C	D
1	Florida Power & Light Company		CONFIDENTIAL	OPC 024824
2	Docket No. 160021-EI			FPL RC-16
3	OPC's Fourth Set of Interrogatories			
4	Interrogatory No. 145			
5	Attachment No. 5			
6	Tab 4 of 6			
7	<b>PSL - CN-10833.03 - U1 NFPA-805 Protect Cable in Fire Zone 44A &amp; 55W - Level-3 - Estimated 3-18-2015</b>			
8	<b>Breakdown</b>	<b>Labor Hours</b>	<b>Labor Rate</b>	<b>Grand Total</b>
9	Alara-Engineering			\$29,320.00
10	Asbestos-Contractor			\$38,150.00
11	Carpenter			\$137,450.84
12	Carpenter - FM			\$14,559.66
13	Construction Supervisor			\$167,526.00
14	Contingency			\$540,740.33
15	Contractor Wrap-Up Ins.			\$36,191.00
16	Cost Analyst			\$76,374.00
17	D&Z Admin			\$25,241.57
18	D&Z Superintendent			\$169,698.78
19	Electrical - FM			\$35,650.75
20	Electricians			\$168,618.61
21	Enercon - Contr.Engineer			\$637,003.00
22	Estimator			\$11,448.00
23	Executive Officers			\$64,181.96
24	FP&L - Engineering			\$37,275.00
25	Insulator			\$514,131.50
26	Insulator - FM			\$108,995.88
27	Iron Worker			\$190,004.34
28	Iron Worker - FM			\$40,068.27
29	Laborer			\$74,520.53
30	Laborer - FM			\$7,919.69
31	Material - Electrical			\$111,398.86
32	Material-Thermo-Lag			\$1,041,513.60
33	NDE			\$21,200.00
34	Operating Engineer			\$9,316.87
35	Operating Engineer - FM			\$1,264.50
36	Outage Distribution			\$28,656.01
37	Outage Management			\$31,882.50
38	Painter			\$9,414.50
39	Painter - FM			\$997.94
40	Planning			\$108,720.00
41	Procedure			\$17,172.00
42	Project Administrator			\$10,706.40
43	Project Department Overheads			\$59,067.00
44	Project Manager - Contractor			\$238,901.00
45	Project Manager - FP&L			\$88,714.06
46	QC			\$10,464.00
47	Rad Protection			\$65,196.00
48	Radwaste			\$954.00
49	Scheduler			\$92,620.00
50	Stores Loading			\$225,943.29
51	Teamster			\$11,090.32
52	Teamster - FM			\$1,371.03
53	Test Coordinator			\$4,360.00
54				

CONFIDENTIAL														Cash Flow				
WBS	Description	Category	Subcategory	Unit	Rate	Start	End	Method	Hours	Material	Cost	Total	WBS	2014	2015	2016	2017	2018
<b>Engineering X1</b>																		
Conceptual design x1.1																		
X.1.1	FPL NPE	5.8e		1	man						\$0	\$0						
X.1.1	NPE Contractor_120	5.8e		1	man						\$0	\$0						
X.1.1	A&E Contractor_140	5.8e		1	man						\$0	\$0						
Engineering design (ED) x1.2																		
X.1.2	FPL NPE	5.8e		1	2	man					\$182,000	\$182,000		\$76,800	\$118,000			
X.1.2	NPE Contractor_120	5.8e		1	man						\$0	\$0						
X.1.2	A&E Contractor_140	5.8e		1	man						\$0	\$0						
X.1.2	FPL Engineering Management	0.6e		1	man						\$0	\$0						
X.1.2	Travel & Misc. Expenses	5.8e		1	1	man					\$0	\$0						
X.1.2	Travel & Misc. Expenses	5.8e		1	1	man					\$0	\$0						
Allowance for Qualification and Recalibration expenses																		
X.1.3	FPL NPE	5.8e		1	1	man					\$48,000	\$48,000		\$33,000	\$14,000			
X.1.3	NPE Contractor_120	5.8e		1	man						\$0	\$0						
X.1.3	A&E Contractor_140	5.8e		1	man						\$0	\$0						
Bill of Materials x1.4																		
X.1.4	FPL NPE	5.8e		1	man						\$0	\$0						
X.1.4	NPE Contractor_120	5.8e		1	man						\$0	\$0						
X.1.4	A&E Contractor_140	5.8e		1	man						\$0	\$0						
Drawing Updates x1.5																		
X.1.5	FPL NPE	5.8e		1	man						\$0	\$0						
X.1.5	NPE Contractor_120	5.8e		1	man						\$0	\$0						
X.1.5	A&E Contractor_140	5.8e		1	man						\$0	\$0						
Calculations x1.8																		
X.1.8	FPL NPE	5.8e		1	man						\$0	\$0						
X.1.8	NPE Contractor_120	5.8e		1	man						\$0	\$0						
X.1.8	A&E Contractor_140	5.8e		1	man						\$0	\$0						
Procedure Development & Test																		
X.1.7	Contractor_090	5.8e	Procedure Writer	1	1	man					\$0	\$0						
X.1.7	Contractor_100	5.8e	Test Coordinator (PTPs)	1	1	man					\$0	\$0						
Closeout x1.9																		
X.1.8	Contractor_110	5.8e	As Built Drawing Updates	1	1	man					\$22,000	\$22,000					\$22,000	
X.1.2	NPE Contractor_120	5.8e		1	man						\$0	\$0						
X.1.2	FPL NPE	5.8e		1	man						\$0	\$0						
X.1.2	Contractor_130	5.8e		1	man						\$0	\$0						
<b>Engineering Total</b>											\$0	\$110,400	\$129,800	\$22,000	\$0			
<b>Material X2</b>																		
Material under PO x2.1																		
X.2.1	EPC Contractor Supplied			1	ea	\$					\$0	\$0						
X.2.1	EPC Contractor Supplied			1	ea	\$					\$0	\$0						
X.2.1	EPC Contractor Supplied			1	ea	\$					\$0	\$0						
X.2.1	Bulk Material			1	lb	\$					\$0	\$0						
X.2.1	Bulk Material		Misc materials	1	ea	\$	40,000				\$40,000	\$40,000			\$40,000			
X.2.1	Bulk Material		Pump gauges & misc	1	ea	\$	8,000				\$8,000	\$8,000			\$8,000			
X.2.1	Bulk Material		Misc Jammers	1	lb	\$	2,000				\$2,000	\$2,000			\$2,000			
X.2.1	Bulk Material		Bands, motor oil, & Misc electrical fittings	1	lb	\$	4,000				\$4,000	\$4,000			\$4,000			
X.2.1	Bulk Material		Fuel & FPL Equipment charges	1	ea	\$	2,500				\$2,500	\$2,500			\$2,500			
X.2.1	Bulk Material		Shoring	1	lb	\$	5,000				\$5,000	\$5,000			\$5,000			
X.2.1	Bulk Material		Credit for BRM of old Inkjet. Pts properly accounting unit 1 value	1	ea	\$	(104,000)				(\$104,000)	(\$104,000)			(\$104,000)			
X.2.1	Bulk Material			1	lb	\$					\$0	\$0			\$0			
X.2.1	Bulk Material			1	lb	\$					\$0	\$0			\$0			
X.2.1	Bulk Material			1	lb	\$					\$0	\$0			\$0			
X.2.1	Bulk Material			1	ea	\$					\$0	\$0			\$0			
X.2.1	Bulk Material			1	ea	\$					\$0	\$0			\$0			
X.2.1	Non-Rad waste Disposal			1	lb	\$					\$0	\$0			\$0			
DME for DAM Projects x2.1.2																		
X.2.1.4	Dormant Materials			1	lb	\$					\$0	\$0			\$0			
X.2.1.4	Dormant Materials			1	lb	\$					\$0	\$0			\$0			
X.2.1.4	Dormant Materials			1	lb	\$					\$0	\$0			\$0			
Rental Equipment x2.2																		
X.2.2	Office Trailers			1	lb	\$					\$0	\$0			\$0			
X.2.2	Heavy Equipment		350 Ton crane with operators	1	1	lb	\$	112,000			\$112,000	\$112,000			\$112,000			
X.2.1	Bulk Material		Contingencies: 3% of Direct Labor	1	1	lb	\$				\$48,001	\$48,001			\$48,001			
<b>Material Total</b>											\$0	\$0	\$26,501	\$0	\$0			
<b>DIRECT CAPITAL PROJECTS</b>																		
X.2.1.4	Dormant Materials			1	lb	\$					\$0	\$0			\$0			
X.2.1.4	Dormant Materials			1	lb	\$					\$0	\$0			\$0			
X.2.1.4	Dormant Materials		Allowance made for oil fill pumps etc.	1	1	lb	\$				\$70,000	\$70,000			\$70,000			
X.2.1.4	Dormant Materials			1	lb	\$					\$0	\$0			\$0			
<b>DME Total</b>											\$0	\$0	\$70,000	\$0	\$0			

Florida Power & Light Company  
 DocId: No. 160021-60  
 OPO's Fourth Set of Interrogatories  
 Interrogatory No. 149  
 Attachment No. 2  
 Tab 8 of 8  
 STAFF 024771  
 PFL RC-16

L10 TAM #: 11-0168 Detail Sheet												Cash Flow								
L11 EST. #: CH10504.24																				
L12 Job Description: 182 RCP Motor Swap																				
L13																				
L14	TYPE	Description	Schedule	Description	UP	Qmnt	UNIT	Wkt/Dobars	Hours	1/1 Hour	Material	Labour	Total	Start Month	Notes	2014	2015	2016	2017	2018

<b>Implementation X3</b>																				
<b>RP Support X3.1</b>																				
94	X.3.1	NEE Supervisor	5.8s				1	man				\$0	\$0							
95	X.3.1	ALARA Engineer	5.8s				1	man				\$68,312	\$68,312			\$33,000	\$33,312			
96	X.3.1	HP-Contractor Sr	5.8s				3	man				\$84,978	\$84,978				\$84,978			
97	X.3.1	HP-Contractor - Decan Tech	5.8s				6	man				\$190,708	\$190,708				\$190,708			
98	X.3.1	HP-Contractor - Decan Tech	5.8s				4	man				\$11,568	\$11,568				\$11,568			
99	X.3.1	HP-Contractor Sr	5.8s				4	man				\$14,163	\$14,163				\$14,163			
100	X.3.1	HP-Contractor - Decan Tech	5.8s				1	man				\$10,868	\$10,868				\$10,868			
101	X.3.1	RP Waste Disposal	5.8s				1	lb				\$0	\$0				\$0			
102	X.3.2	FPL	5.8s				1	man				\$0	\$0				\$0			
103	X.3.2	CONTRACTOR_110	5.8s				1	man				\$0	\$0				\$0			
104	X.3.2	Contractor_OSD	5.8s				2	man				\$105,600	\$105,600			\$58,080	\$47,520			
105	X.3.3	Craft - Bakermaker	5.8s				0	man				\$0	\$0				\$0			
106	X.3.3	Craft - Carpenter	5.8s				4	man				\$6,379	\$6,379				\$6,379			
107	X.3.3	Craft - Electrician	5.8s				12	man				\$23,854	\$23,854				\$23,854			
108	X.3.3	Craft - Insulator	5.8s				1	man				\$2,145	\$2,145				\$2,145			
109	X.3.3	Craft - Iron Worker	5.8s				8	man				\$16,853	\$16,853				\$16,853			
110	X.3.3	Craft - Laborer	5.8s				4	man				\$6,890	\$6,890				\$6,890			
111	X.3.3	Craft - Operating Engineer	5.8s				2	man				\$3,879	\$3,879				\$3,879			
112	X.3.3	Craft - Pipeliter	5.8s				12	man				\$26,606	\$26,606				\$26,606			
113	X.3.3	Craft - Sheet Metal Worker	5.8s				1	man				\$1,945	\$1,945				\$1,945			
114	X.3.3	Craft - Tinsmith	5.8s				0	man				\$0	\$0				\$0			
<b>Training Qualifications &amp; Mock-up X3.4</b>																				
115	X.3.4	Craft - Electrician	5.8s				1	man				\$0	\$0				\$0			
116	X.3.4	Craft - Pipeliter	5.8s				1	man				\$0	\$0				\$0			
117	X.3.4	Contractor_110	5.8s				1	man				\$0	\$0				\$0			
118	X.3.4	Contractor_110	5.8s				1	man				\$0	\$0				\$0			
<b>Field construction X3.5</b>																				
<b>Shop/Job X3.5.1</b>																				
124	X.3.5	Craft - Laborer	5.8s				1	man				\$0	\$0				\$0			
125	X.3.5	Craft - Pipeliter	5.8s				1	man				\$0	\$0				\$0			
126	X.3.5	Craft - Pipeliter	5.8s				1	man				\$0	\$0				\$0			
127	X.3.5	Craft - Insulator (Asbestos)	5.8s				1	man				\$0	\$0				\$0			
128	X.3.5	Craft - Pipeliter	5.8s				1	man				\$0	\$0				\$0			
129	X.3.5	Craft - Insulator	5.8s				1	man				\$0	\$0				\$0			
130	X.3.5	Craft - Insulator	5.8s				1	man				\$0	\$0				\$0			
131	X.3.5	Craft - Insulator	5.8s				1	man				\$0	\$0				\$0			
132	X.3.5	Craft - Insulator	5.8s				1	man				\$0	\$0				\$0			
133	X.3.5	Craft - Insulator	5.8s				1	man				\$0	\$0				\$0			
134	X.3.5	Craft - Pipeliter	5.8s				1	man				\$0	\$0				\$0			
<b>Pre Implementation X 3.5.2</b>																				
<b>Pre outage support by NPS identify tagging, collect tooling, service equipment</b>																				
136	X.3.5	Craft - Pipeliter	5.8s				1	man				\$0	\$0				\$0			
137	X.3.5	Craft - Electrician	5.8s				2	man				\$7,951	\$7,951				\$7,951			
138	X.3.5	Craft - Laborer	5.8s				3	man				\$4,162	\$4,162				\$4,162			
139	X.3.5	Craft - Painter	5.8s				3	man				\$5,124	\$5,124				\$5,124			
140	X.3.5	Craft - Operating Engineer	5.8s				1	man				\$1,940	\$1,940				\$1,940			
141	X.3.5	Craft - Iron Worker	5.8s				3	man				\$12,047	\$12,047				\$12,047			
142	X.3.5	Craft - Tinsmith	5.8s				1	man				\$2,528	\$2,528				\$2,528			
143	X.3.5	Craft - Iron Worker	5.8s				3	man				\$12,047	\$12,047				\$12,047			
144	X.3.5	Craft - Operating Engineer	5.8s				1	man				\$1,940	\$1,940				\$1,940			
145	X.3.5	Craft - Tinsmith	5.8s				1	man				\$2,308	\$2,308				\$2,308			
146	X.3.5	Craft - Insulator	5.8s				1	man				\$0	\$0				\$0			
147	X.3.5	Craft - Insulator	5.8s				1	man				\$0	\$0				\$0			
<b>Implementation X 3.5.3</b>																				
<b>1A2 RCP MTR REPLACEMENT</b>																				
149	X.3.6	Craft - Pipeliter	5.8s				1	man				\$0	\$0				\$0			
150	X.3.6	Craft - Pipeliter	5.8s				1	man				\$0	\$0				\$0			
151	X.3.6	Craft - Pipeliter	5.8s				1	man				\$0	\$0				\$0			
152	X.3.6	Contractor_OSD	5.8s				1	man				\$0	\$0				\$0			
153	X.3.6	Contractor_000	5.8s				6	man				\$121,930	\$121,930				\$121,930			
154	X.3.6	Contractor_000	5.8s				1	man				\$0	\$0				\$0			
155	X.3.6	Contractor_000	5.8s				1	man				\$0	\$0				\$0			
156	X.3.6	Contractor_000	5.8s				1	man				\$0	\$0				\$0			
157	X.3.6	Contractor_000	5.8s				1	man				\$0	\$0				\$0			
158	X.3.6	Contractor_000	5.8s				1	man				\$0	\$0				\$0			
159	X.3.6	Contractor_000	5.8s				1	man				\$0	\$0				\$0			
160	X.3.6	Contractor_000	5.8s				1	man				\$0	\$0				\$0			
161	X.3.6	Craft - Pipeliter	5.8s				1	man				\$0	\$0				\$0			
162	X.3.6	Craft - Electrician	7.12s				8	man				\$20,648	\$20,648				\$20,648			
163	X.3.6	Craft - Iron Worker	7.12s				6	man				\$12,493	\$12,493				\$12,493			
164	X.3.6	Craft - Pipeliter	7.12s				6	man				\$13,024	\$13,024				\$13,024			
165	X.3.6	Craft - Sheet Metal Worker	7.12s				2	man				\$4,778	\$4,778				\$4,778			
166	X.3.6	Craft - Carpenter	7.12s				8	man				\$24,258	\$24,258				\$24,258			
167	X.3.6	Craft - Laborer	7.12s				4	man				\$10,868	\$10,868				\$10,868			
168	X.3.6	Craft - Pipeliter	7.12s				1	man				\$0	\$0				\$0			
169	X.3.6	Craft - Pipeliter	7.12s				1	man				\$0	\$0				\$0			
170	X.3.6	Craft - Iron Worker	7.12s				5	man				\$37,478	\$37,478				\$37,478			
171	X.3.6	Craft - Operating Engineer	7.12s				1	man				\$8,891	\$8,891				\$8,891			
172	X.3.6	Craft - Carpenter	7.12s				4	man				\$8,686	\$8,686				\$8,686			
173	X.3.6	Craft - Laborer	7.12s				2	man				\$3,655	\$3,655				\$3,655			

CONFIDENTIAL															Cash Flow					
Detail Sheet																				
WBS	Description	Schedule	Description	UP	Quan	Unit	Rate (\$/Hour)	Hours	\$/Hour	Material	Labor	Total	Man Hours	Notes	2014	2015	2016	2017	2018	
172	X.3.5	Craft - Pipefitter	7.12a		1	man					\$0	\$0								
174	X.3.5	Craft - Pipefitter	7.12a	Remove/reinstall platform & stairs equipment hatch & motor plug	1	man					\$0	\$0								
175	X.3.5	Craft - Iron Worker	7.12a	Iron Worker	4	man					\$2,496	\$2,496								
176	X.3.5	Craft - Operating Engineer	7.12a	Operating Engineer	1	man					\$515	\$515								
177	X.3.5	Craft - Pipefitter	7.12a		1	man					\$0	\$0								
178	X.3.5	Craft - Pipefitter	7.12a	Build/remove access to manway	1	man					\$0	\$0								
179	X.3.5	Craft - Carpenter	7.12a	Carpenter	4	man					\$6,864	\$6,864								
180	X.3.5	Craft - Laborer	7.12a	Laborer	2	man					\$2,880	\$2,880								
181	X.3.5	Craft - Pipefitter	7.12a		1	man					\$0	\$0								
182	X.3.5	Craft - Insulator	7.12a		2	man					\$10,784	\$10,784								
183	X.3.5	Craft - Pipefitter	7.12a	Remove/restore interferences round motor	1	man					\$0	\$0								
184	X.3.5	Craft - Electrician	7.12a	Electrician	12	man					\$18,480	\$18,480								
185	X.3.5	Craft - Pipefitter	7.12a	Pipefitter	12	man					\$14,715	\$14,715								
186	X.3.5	Craft - Insulator	7.12a	Insulator	2	man					\$10,784	\$10,784								
187	X.3.5	Craft - Pipefitter	7.12a		1	man					\$0	\$0								
188	X.3.5	Craft - Pipefitter	7.12a	Scaffolding round motor to be constantly modified	1	man					\$0	\$0								
189	X.3.5	Craft - Carpenter	7.12a	Carpenter	4	man					\$30,216	\$30,216								
190	X.3.5	Craft - Laborer	7.12a	Laborer	2	man					\$13,331	\$13,331								
191	X.3.5	Craft - Iron Worker	7.12a	Remove restore handrail & platform at pump	4	man					\$12,480	\$12,480								
192	X.3.5	Craft - Electrician	7.12a	Remove relocate smoke detectors	2	man					\$4,633	\$4,633								
193	X.3.5	Craft - Pipefitter	7.12a		1	man					\$0	\$0								
194	X.3.5	Craft - Pipefitter	7.12a	Pull mtfr plug	1	man					\$0	\$0								
195	X.3.5	Craft - Iron Worker	7.12a	Pull motor plug	4	man					\$1,249	\$1,249								
196	X.3.5	Craft - Operating Engineer	7.12a	Pull motor plug	1	man					\$508	\$508								
197	X.3.5	Craft - Pipefitter	7.12a		1	man					\$0	\$0								
198	X.3.5	Craft - Pipefitter	7.12a	Prep motor for removal	1	man					\$0	\$0								
199	X.3.5	Craft - Iron Worker	7.12a	Disconnect & remove horsehoe and 1 beam	12	man					\$29,983	\$29,983								
200	X.3.5	Craft - Electrician	7.12a	Disconnect & pull back 6 x 500mm cables, 2x 6" conduits & 2 load cabinets	4	man					\$10,274	\$10,274								
201	X.3.5	Craft - Electrician	7.12a	Disconnect pull back cables neutral box (star point)	2	man					\$3,953	\$3,953								
202	X.3.5	Craft - Electrician	7.12a	Disarm mtfr heater	2	man					\$542	\$542								
203	X.3.5	Craft - Electrician	7.12a	Disconnect & pull back control conduits & cables	4	man					\$10,274	\$10,274								
204	X.3.5	Craft - Pipefitter	7.12a	Remove pin ending cone & struts	4	man					\$2,725	\$2,725								
205	X.3.5	Craft - Pipefitter	7.12a	Remove oil lift pump bubbler & IA pipe	6	man					\$8,176	\$8,176								
206	X.3.5	Craft - Electrician	7.12a	Remove COV pipe	6	man					\$16,411	\$16,411								
207	X.3.5	Craft - Electrician	7.12a		1	man					\$0	\$0								
208	X.3.5	Craft - Pipefitter	7.12a	Pull motor & set on 62"	1	man					\$0	\$0								
209	X.3.5	Craft - Iron Worker	7.12a	Iron worker	8	man					\$4,997	\$4,997								
210	X.3.5	Craft - Electrician	7.12a	Electrician	4	man					\$2,868	\$2,868								
211	X.3.5	Craft - Operating Engineer	7.12a	Operating Engineer	2	man					\$1,230	\$1,230								
212	X.3.5	Craft - Pipefitter	7.12a		1	man					\$0	\$0								
213	X.3.5	Craft - Pipefitter	7.12a	Reconfigure ramp	1	man					\$0	\$0								
214	X.3.5	Craft - Iron Worker	7.12a	Remove stair well	6	man					\$11,242	\$11,242								
215	X.3.5	Craft - Operating Engineer	7.12a	Remove stair well	1	man					\$1,946	\$1,946								
216	X.3.5	Craft - Iron Worker	7.12a	Remove cat	6	man					\$750	\$750								
217	X.3.5	Craft - Iron Worker	7.12a	Set up pulley sys shiv & cables	2	man					\$1,489	\$1,489								
218	X.3.5	Craft - Pipefitter	7.12a	Set up hydraulic lines	4	man					\$3,270	\$3,270								
219	X.3.5	Craft - Electrician	7.12a	3 ph power to pump	4	man					\$3,982	\$3,982								
220	X.3.5	Craft - Iron Worker	7.12a	Transport upender	2	man					\$1,249	\$1,249								
221	X.3.5	Craft - Iron Worker	7.12a	Install upender align on rails	2	man					\$1,249	\$1,249								
222	X.3.5	Craft - Iron Worker	7.12a	Prep set up to transport mtfr from truck to ramp	6	man					\$7,488	\$7,488								
223	X.3.5	Craft - Laborer	7.12a	Prep set up to transport mtfr from truck to ramp	2	man					\$1,777	\$1,777								
224	X.3.5	Craft - Iron Worker	7.12a	Transport motor to ramp	6	man					\$7,488	\$7,488								
225	X.3.5	Craft - Laborer	7.12a	Transport motor to ramp	4	man					\$3,955	\$3,955								
226	X.3.5	Craft - Teamster	7.12a	Transport motor to ramp	1	man					\$1,400	\$1,400								
227	X.3.5	Craft - Iron Worker	7.12a	Open motor transport container	6	man					\$3,748	\$3,748								
228	X.3.5	Craft - Iron Worker	7.12a	Set/remove new motor on upender rig from container	6	man					\$3,748	\$3,748								
229	X.3.5	Craft - Iron Worker	7.12a	Set/remove old motor on upender rig to container	6	man					\$3,748	\$3,748								
230	X.3.5	Craft - Operating Engineer	7.12a	Operating eng support	1	man					\$2,461	\$2,461								
231	X.3.5	Craft - Pipefitter	7.12a		1	man					\$0	\$0								
232	X.3.5	Craft - Pipefitter	7.12a	Restore ramp	1	man					\$0	\$0								
233	X.3.5	Craft - Iron Worker	7.12a	Replace stair well	1	man					\$14,991	\$14,991								
234	X.3.5	Craft - Operating Engineer	7.12a	Replace stair well	1	man					\$2,461	\$2,461								
235	X.3.5	Craft - Iron Worker	7.12a	Rebuild rail sys	8	man					\$1,489	\$1,489								
236	X.3.5	Craft - Iron Worker	7.12a	Remove pulley sys	6	man					\$1,974	\$1,974								
237	X.3.5	Craft - Pipefitter	7.12a	Remove 3 ph power	4	man					\$1,362	\$1,362								
238	X.3.5	Craft - Pipefitter	7.12a	Remove hydraulic lines	4	man					\$2,725	\$2,725								
239	X.3.5	Craft - Iron Worker	7.12a	Remove upender	6	man					\$3,748	\$3,748								
240	X.3.5	Craft - Iron Worker	7.12a	Return upender & associated equip to storage	8	man					\$3,748	\$3,748								
241	X.3.5	Craft - Iron Worker	7.12a	Prep set up to transport mtfr from ramp to truck	2	man					\$2,461	\$2,461								
242	X.3.5	Craft - Laborer	7.12a	Prep set up to transport mtfr from ramp to truck	6	man					\$889	\$889								
243	X.3.5	Craft - Iron Worker	7.12a	Transport old motor from ramp	6	man					\$7,488	\$7,488								
244	X.3.5	Craft - Laborer	7.12a	Transport old motor from ramp	4	man					\$3,955	\$3,955								
245	X.3.5	Craft - Teamster	7.12a	Transport old motor from ramp	1	man					\$1,400	\$1,400								
246	X.3.5	Craft - Iron Worker	7.12a	Prep motor for shipment	6	man					\$3,748	\$3,748								
247	X.3.5	Craft - Operating Engineer	7.12a	Operating eng support	1	man					\$2,461	\$2,461								
248	X.3.5	Craft - Pipefitter	7.12a		1	man					\$0	\$0								
249	X.3.5	Craft - Pipefitter	7.12a		1	man					\$0	\$0								
250	X.3.5	Craft - Pipefitter	7.12a	Remove new motor in & old motor out of rcb	1	man					\$0	\$0								
251	X.3.5	Craft - Iron Worker	7.12a	Iron worker	5	man					\$3,123	\$3,123								
252	X.3.5	Craft - Electrician	7.12a	Electrician	2	man					\$1,284	\$1,284								
253	X.3.5	Craft - Operating Engineer	7.12a	Operating Engineer	2	man					\$1,230	\$1,230								
254	X.3.5	Craft - Pipefitter	7.12a		1	man					\$0	\$0								



1	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U				
1	CONFIDENTIAL																							
2	Florida Power & Light Company																							
3	Docket No. 16021-01																							
4	OPC's Fourth Set of Interrogatories																							
5	Interrogatory No. 149																							
6	Attachment No. 2																							
7	Tab 6 of 8																							
8	STAFF 024771																							
9	FPL RC-16																							
10	LTAM #: 11-0168																	Detail Sheet						
11	EST. #: CN1050424																	Cash Flow						
12	Job Description: 1B2 RCP Motor Swap																							
13																								
14	YB2	Description	Estimate	Description	LF	Power	Unit	Start/End Dates	Phase	3 Year	Actual	Less	Total	Net Profit	Notes	2014	2015	2016	2017	2018				
255	X.3.6	Craft - Pipefitter	7.12c	Move motor & set on pump	1		1 man						\$0	\$0										
256	X.3.6	Craft - Iron Worker	7.12c	Iron worker	1		5 men						\$3,123	\$3,123				\$3,123						
257	X.3.6	Craft - Electrician	7.12c	Electrician	1		4 men						\$2,669	\$2,669				\$2,669						
258	X.3.6	Craft - Operating Engineer	7.12c	Operating Engineer	1		2 men						\$1,230	\$1,230				\$1,230						
259	X.3.6	Craft - Pipefitter	7.12c		1		1 man						\$0	\$0				\$0						
260	X.3.6	Craft - Electrician	7.12c	Install reconfigure motor fit up	1		1 man						\$0	\$0				\$0						
261	X.3.6	Craft - Electrician	7.12c	Electrician rig install main lead box	1		4 men						\$6,164	\$6,164				\$6,164						
262	X.3.6	Craft - Electrician	7.12c	Operating Engineer rig install main lead box	1		1 man						\$321	\$321				\$321						
263	X.3.6	Craft - Electrician	7.12c	Reinstall 2 lead cabinets 2 6" conduits & 6 500kcm cables	1		4 men						\$12,843	\$12,843				\$12,843						
264	X.3.6	Craft - Electrician	7.12c	Reinstall motor tender leads	1		2 men						\$843	\$843				\$843						
265	X.3.6	Craft - Electrician	7.12c	Reconnect control cables & conduits	1		2 men						\$6,137	\$6,137				\$6,137						
266	X.3.6	Craft - Electrician	7.12c	Install & make connections @ neutral box (star point)	1		4 men						\$9,247	\$9,247				\$9,247						
267	X.3.6	Craft - Electrician	7.12c	Modify insulation parts in new term box	1		2 men						\$1,284	\$1,284				\$1,284						
268	X.3.6	Craft - Electrician	7.12c	Modify wiring in main box	1		2 men						\$6,164	\$6,164				\$6,164						
269	X.3.6	Craft - Electrician	7.12c	Replace motor jumpers	1		4 men						\$7,706	\$7,706				\$7,706						
270	X.3.6	Craft - Electrician	7.12c	Strip wire	1		6 ea						\$9,247	\$9,247				\$9,247						
271	X.3.6	Craft - Pipefitter	7.12c	Install hotshoe & I beam	1		10 men						\$18,230	\$18,230				\$18,230						
272	X.3.6	Craft - Pipefitter	7.12c	Install oil lift pump, new boiler & in pipe	1		6 men						\$12,843	\$12,843				\$12,843						
273	X.3.6	Craft - Pipefitter	7.12c	Install CDMV pipe	1		6 men						\$66,398	\$66,398				\$66,398						
274	X.3.6	Craft - Pipefitter	7.12c		1		1 man						\$0	\$0				\$0						
275	X.3.6	Craft - Pipefitter	7.12c	Replace motor plug	1		1 man						\$0	\$0				\$0						
276	X.3.6	Craft - Iron Worker	7.12c	Replace motor plug	1		4 men						\$1,230	\$1,230				\$1,230						
277	X.3.6	Craft - Operating Engineer	7.12c	Replace motor plug	1		1 man						\$308	\$308				\$308						
278	X.3.6	Craft - Pipefitter	5.8c		1		1 man						\$0	\$0				\$0						
279	X.3.6	Craft - Pipefitter	5.8c		1		1 man						\$0	\$0				\$0						
280	X.3.6	Craft - Pipefitter	5.8c		1		1 man						\$0	\$0				\$0						
281	X.3.6	Craft - Pipefitter	5.8c	Misc	1		1 man						\$0	\$0				\$0						
282	X.3.6	FPL Maintenance	7.10c	Machine shop support	1		2 men						\$14,146	\$14,146				\$14,146						
283	X.3.6	Craft - Insulator	7.12c	Restore insulation	1		4 men						\$9,086	\$9,086				\$9,086						
284	X.3.6	Craft - Sheet Metal Worker	7.12c	Restore insulation	1		2 men						\$3,883	\$3,883				\$3,883						
285	X.3.6	Craft - Excavator	7.12c	Sweep leads @ swing (allowance)	1		2 men						\$1,284	\$1,284				\$1,284						
286	X.3.6	Craft - Painter	7.10c	Coat pipe touch up coating	1		1 man						\$6,009	\$6,009				\$6,009						
287	X.3.6	Craft - Laborer	7.10c	Clean up support	1		1 man						\$17,232	\$17,232				\$17,232						
288	X.3.6	Craft - Carpenter	7.10c		1		1 man						\$0	\$0				\$0						
289	X.3.6	Craft - Pipefitter	7.10c		1		1 man						\$0	\$0				\$0						
290	X.3.6	Craft - Pipefitter	7.10c		1		1 man						\$0	\$0				\$0						
291	X.3.6	Craft - Iron Worker	5.8c	Post outage	1		1 man						\$0	\$0				\$0						
292	X.3.6	Craft - Iron Worker	5.8c	Store clean equipment	0.8		2 man						\$12,047	\$12,047				\$12,047						
293	X.3.6	Craft - Operating Engineer	5.8c	Store clean equipment	0.5		1 man						\$5,819	\$5,819				\$5,819						
294	X.3.6	Craft - Pipefitter	5.8c		1		1 man						\$0	\$0				\$0						
295	X.3.6	Craft - Pipefitter	5.8c		1		1 man						\$0	\$0				\$0						
296	X.3.6	Craft - Pipefitter	5.8c		1		1 man						\$0	\$0				\$0						
297	X.3.6	Craft - Pipefitter	5.8c		1		1 man						\$0	\$0				\$0						
298	X.3.6	Craft - Painter	5.8c		1		1 man						\$0	\$0				\$0						
299	X.3.6	Craft - Pipefitter	7.10c	Testing X3.6A	1		1 man						\$0	\$0				\$0						
300	X.3.6	FPL Maintenance	7.10c	PAIT	1		1 man						\$0	\$0				\$0						
301	X.3.6	Contractor_100	7.10c	ADE	1		1 man						\$0	\$0				\$0						
302	X.3.6	FPL	7.10c	Operability Testing	1		1 man						\$0	\$0				\$0						
303	X.3.6	Craft - Carpenter	5.8c	Foreman / Gen. Foreman X 3.6	1		1 man						\$0	\$0				\$0						
304	X.3.6	Craft - Carpenter	5.8c		1		1 man						\$0	\$0				\$0						
305	X.3.6	Craft - Electrician	5.8c		1		1 man						\$0	\$0				\$0						
306	X.3.6	Craft - Sheet Metal Worker	5.8c		1		1 man						\$0	\$0				\$0						
307	X.3.6	Craft - Laborer	5.8c		1		1 man						\$0	\$0				\$0						
308	X.3.6	Craft - Iron Worker	5.8c		1		1 man						\$0	\$0				\$0						
309	X.3.6	Craft - Insulator	5.8c		1		1 man						\$0	\$0				\$0						
310	X.3.6	Craft - Pipefitter	5.8c		1		1 man						\$0	\$0				\$0						
311	X.3.6	Craft - Painter	5.8c		1		1 man						\$0	\$0				\$0						
312	X.3.6	Craft - Painter	5.8c		1		1 man						\$0	\$0				\$0						
313	X.3.6	Staff - Field Engineer	5.8c	Package development	1		1 man						\$14,448	\$14,448				\$14,448						
314	X.3.6	Staff - Field Supervisor	5.8c	Craft Supervisor	1		2 men						\$108,885	\$108,885				\$108,885						
315	X.3.6	Staff - Field Supervisor	5.8c	Craft Supervisor	1		2 men						\$108,885	\$108,885				\$108,885						
316	X.3.6	Care Staff Allocation	5.8c	Support Staff Allocation	1		1 man						\$28,639	\$28,639				\$28,639						
317	X.3.6	Construction supervisor X 3.6		Support and Oversight Construction supervisor X 3.6	1		1 man						\$0	\$0				\$0						
318	X.3.6	FPL	5.8c	Construction supervisor previous years	1		1 man						\$2,526	\$2,526				\$2,526						
319	X.3.6	Contractor_110	5.8c	Construction Supervisor 1	1		1 man						\$0	\$0				\$0						
320	X.3.6	Contractor_110	5.8c	Construction Supervisor 2	1		1 man						\$0	\$0				\$0						
321	X.3.6	Contractor_110	5.8c	Weld Engineer Contractor	1		1 man						\$372,240	\$372,240				\$372,240						
322	X.3.6	Other	5.8c	Supplementary support X 3.6	1		1 man						\$0	\$0				\$0						
323	X.3.6	Contractor_030	5.8c	Security	1		1 man						\$0	\$0				\$0						
324	X.3.6	Contractor_030	5.8c	QC industrial testing on outdoors	1		1 man						\$28,000	\$28,000				\$28,000						
325	X.3.6	FPL	5.8c	Maintenance	1		1 man						\$0	\$0				\$0						
326	X.3.6	FPL	5.8c	Operations	1		1 man						\$0	\$0				\$0						
327	X.3.6	FPL	5.8c	ISC	1		1 man						\$0	\$0				\$0						
328	X.3.6			Remaining Fee at Risk Reconciled Monthly or End of Outage									\$35,707	\$35,707				\$35,707						
329	<b>Implementation - Total</b>												\$0	\$2,238,691	\$2,238,691									
330	<b>Project Support X 4</b>																							
331	<b>Project Management X 1</b>																							

10 LTAM #: 11-0188 Detail Sheet  
 11 EST #: CN1080424  
 12 Job Description: 132 RCP Motor Swap  
 13

													Cash Flow							
WBS	Description	Schedule	Description	UP	Quan	Unit	Est. (Dollars)	Hours	\$/Hour	Material	Labor	Total	Man Days	Hours	2014	2015	2016	2017	2018	
337	X.4.1	PPL	Project Manager PPL	1	1	men					\$0	\$0								
338	X.4.1	Contractor_130	Project Manager Contractor	1	1.00	men					\$202,150	\$202,150			\$6,500	\$33,400	\$172,250			
340	X.4.1	Contractor_110	Project Coordinator 1 (PPL)	1	1.00	men					\$91,950	\$91,950			\$5,500	\$9,800	\$76,650			
341	X.4.1	Contractor_110	Project Coordinator 2 (TBD)	1	1.00	men					\$78,400	\$78,400					\$78,400			
342	X.4.1	Contractor_030	Admin	1	1	men					\$0	\$0								
343	X.4.1	Contractor_040	Material Coordinator	1	1	men					\$0	\$0								
344			<b>Construction Work Package 2.4.2</b>																	
345	X.4.2	Contractor_110	Regulatory Involvement 2.4.2	1	1	men					\$0	\$0								
347	X.4.3	Contractor_120	Licensing	1	1	men					\$0	\$0								
348	X.4.3		MRC Fees	1	1	lb					\$0	\$0								
349			<b>Monitoring and Controls 2.4.4</b>																	
352	X.4.4	Contractor_100	Scheduler 1	1	1.0	men					\$74,400	\$74,400				\$9,000	\$65,400			
351	X.4.4	Contractor_100	Scheduler 2	1	1.0	men					\$20,400	\$20,400					\$20,400			
352	X.4.4	Contractor_050	Cost Analyst	1	1.0	men					\$77,750	\$77,750				\$10,800	\$66,950			
353	X.4.4	PPL	Estimator	1	1.0	men					\$4,000	\$4,000				\$2,600	\$1,400			
354			<b>Training 2.4.5</b>																	
355	X.4.5	Contractor_110		1	1	men					\$0	\$0								
356			<b>Closure 2.4.6</b>																	
357	X.4.6	Contractor_110		1	1	men					\$0	\$0								
358			<b>Travel &amp; Misc. Expenses</b>																	
359	X.4.1	Travel & Misc. Expenses	Projects Department Overhead (MOP, Lead PM, PCS, Admin, CAPCO) as a percentage of total labor	1	547,030	\$					\$82,055	\$82,055				\$32,822	\$49,233			
360			<b>Project Support - Total</b>													\$172,000	\$68,022	\$520,483	\$0	\$0
361			<b>Utility Fee &amp; Allocated Costs</b>																	
362			<b>Outage Distributed Costs (Primary or secondary)</b>																	
363	300		Reactor Head Disassembly (Percent Allocation of \$ and mths to Projects requiring RCS to be Drained)	1	3,700,000	\$					\$1,148,241	\$1,148,241					\$1,046,339			
364	300		Nozzle Dens and Paz Manway (Percent Allocation of \$ to Projects Working on 1B of Containment)	1	670,189	\$					\$0	\$0					\$0			
365	300		Storage Loading Factor	1	61,500	\$					\$15,000	\$15,000					\$15,000			
366	300		Contractor Wrap-up Insurance on Shaw, Williams, G49, & Biedert	1	1,594,200	\$					\$28,500	\$28,500					\$28,500			
367	300		Outage Management: 1 OCC Rep, 1 Clearance Coordinator, 4 Team Room Members per shift shared among major capital projects	1	40	days					\$90,200	\$90,200					\$90,200			
368	300		EO Allocation - 1.35% Applied to Total Project Cost for Capital only	1	4,283,740	\$					\$57,916	\$57,916					\$11,636	\$46,280		
369	300		AFUDC Interest Costs	1	4,442,920	\$					\$161,181	\$161,181					\$40,000	\$121,181		
370			<b>Total Estimate Excluding O&amp;M &amp; Capital</b>													\$1,148,241	\$1,148,241			
371			<b>Total Estimate for O&amp;M &amp; Capital Project</b>													\$172,000	\$68,022	\$520,483	\$0	\$0
372			<b>Total Estimate (O&amp;M and Capital)</b>													\$1,320,241	\$1,216,263	\$1,040,966	\$0	\$0
373			<b>Total Estimate (O&amp;M and Capital)</b>													\$1,320,241	\$1,216,263	\$1,040,966	\$0	\$0
374			<b>Total Estimate (O&amp;M and Capital)</b>													\$1,320,241	\$1,216,263	\$1,040,966	\$0	\$0
375			<b>Total Estimate (O&amp;M and Capital)</b>													\$1,320,241	\$1,216,263	\$1,040,966	\$0	\$0
376			<b>Total Estimate (O&amp;M and Capital)</b>													\$1,320,241	\$1,216,263	\$1,040,966	\$0	\$0
377			<b>Total Estimate (O&amp;M and Capital)</b>													\$1,320,241	\$1,216,263	\$1,040,966	\$0	\$0
378			<b>Total Estimate (O&amp;M and Capital)</b>													\$1,320,241	\$1,216,263	\$1,040,966	\$0	\$0
379			<b>Total Estimate (O&amp;M and Capital)</b>													\$1,320,241	\$1,216,263	\$1,040,966	\$0	\$0
380			<b>Total Estimate (O&amp;M and Capital)</b>													\$1,320,241	\$1,216,263	\$1,040,966	\$0	\$0

**FPL's response to  
OPC's 4th Request of  
Interrogatory No. 149  
Bates Nos.  
Staff 024773  
is confidential in its entirety**

CONFIDENTIAL															Cash Flow				
WBS	Description	Schedule	Assignment	Unit	Rate	Start	End	Material	Labor	Total	2014	2015	2016	2017	2018				
<b>Engineer/IN X.1</b>																			
Engineering Study X.1.1																			
X.1.1	FPL NPE	5.8%		1	1				\$0	\$0									
X.1.1	NPE Contractor_120	5.8%		1	1				\$0	\$0									
X.1.1	A&E Contractor_140	5.8%		1	1				\$0	\$0									
Engineering Study X.1.2																			
X.1.2	FPL NPE	5.8%		1	1				\$182,000	\$182,000	\$75,000	\$110,000							
X.1.2	NPE Contractor_120	5.8%		1	1				\$0	\$0									
X.1.2	A&E Contractor_140	5.8%		1	1				\$0	\$0									
X.1.2	FPL Engineering Management	5.8%		1	1				\$0	\$0									
X.1.2	Travel & Misc. Expenses	5.8%	Travel	100,000	\$				\$48,000	\$48,000	\$10,000	\$20,000							
X.1.2	Travel & Misc. Expense	5.8%	Procurement						\$0	\$0									
X.1.2	FPL NPE	5.8%		1	1				\$0	\$0									
X.1.2	NPE Contractor_120	5.8%		1	1				\$0	\$0									
X.1.2	A&E Contractor_140	5.8%		1	1				\$0	\$0									
Bill of Materials X.1.3																			
X.1.4	FPL NPE	5.8%		1	1				\$0	\$0									
X.1.4	NPE Contractor_120	5.8%		1	1				\$0	\$0									
X.1.4	A&E Contractor_140	5.8%		1	1				\$0	\$0									
Material X.1.5																			
X.1.5	FPL NPE	5.8%		1	1				\$0	\$0									
X.1.5	NPE Contractor_120	5.8%		1	1				\$0	\$0									
X.1.5	A&E Contractor_140	5.8%		1	1				\$0	\$0									
Calculation X.1.6																			
X.1.6	FPL NPE	5.8%		1	1				\$0	\$0									
X.1.6	NPE Contractor_120	5.8%		1	1				\$0	\$0									
X.1.6	A&E Contractor_140	5.8%		1	1				\$0	\$0									
Procedure Development X.1.7																			
X.1.7	Contractor_800	5.8%	Procedure Writer	1	1				\$0	\$0									
X.1.7	Contractor_100	5.8%	Test Coordinator (PTW)	1	1				\$0	\$0									
Miscellaneous X.1.8																			
X.1.8	Contractor_110	5.8%	As-Built Drawing Updates	1	1				\$53,000	\$53,000			\$53,000						
X.1.9	NPE Contractor_120	5.8%		1	1				\$0	\$0									
X.1.9	FPL NPE	5.8%		1	1				\$0	\$0									
X.1.9	Contractor_130	5.8%		1	1				\$0	\$0									
<b>Engineer/IN Total</b>																			
<b>Material X2</b>																			
Material X2.1																			
X.2.1	EPC Contractor Supplied			1	1				\$0	\$0									
X.2.1	EPC Contractor Supplied			1	1				\$0	\$0									
X.2.1	EPC Contractor Supplied			1	1				\$0	\$0									
X.2.1	Bulk Material			1	1				\$0	\$0									
X.2.1	Bulk Material		Misc materials	1	1			\$40,000	\$40,000	\$40,000		\$40,000							
X.2.1	Bulk Material		Pump valves & misc	1	1			\$8,000	\$8,000	\$8,000		\$8,000							
X.2.1	Bulk Material		Misc pumps	1	1			\$2,000	\$2,000	\$2,000		\$2,000							
X.2.1	Bulk Material		Barrels, motor oil, & misc electrical fittings	1	1			\$4,000	\$4,000	\$4,000		\$4,000							
X.2.1	Bulk Material		Real & PPL Equipment charges	1	1			\$2,500	\$2,500	\$2,500		\$2,500							
X.2.1	Bulk Material		Shelving	1	1			\$5,000	\$5,000	\$5,000		\$5,000							
X.2.1	Bulk Material		Credit for 1/10th of old Motor for (newer) associated with 1 valve	1	1			(\$1,205,000)	(\$1,205,000)	(\$1,205,000)		(\$1,205,000)							
X.2.1	Bulk Material			1	1			\$0	\$0	\$0		\$0							
X.2.1	Bulk Material			1	1			\$0	\$0	\$0		\$0							
X.2.1	Bulk Material			1	1			\$0	\$0	\$0		\$0							
X.2.1	Bulk Material			1	1			\$0	\$0	\$0		\$0							
X.2.1	Bulk Material			1	1			\$0	\$0	\$0		\$0							
X.2.1	Heavy Equipment		350 Ton crane with operators	1	1			\$112,000	\$112,000	\$112,000		\$112,000							
X.2.1	Bulk Material		Consumables: 3% of Direct Labor	1	1			\$45,001	\$45,001	\$45,001		\$45,001							
<b>Material Total</b>																			
<b>DME for O&amp;M Projects</b>																			
X.2.1.4	Dormant Materials			1	1			\$0	\$0	\$0		\$0							
X.2.1.4	Dormant Materials			1	1			\$0	\$0	\$0		\$0							
X.2.1.4	Dormant Materials			1	1			\$0	\$0	\$0		\$0							
X.2.1.4	Dormant Materials			1	1			\$0	\$0	\$0		\$0							
<b>DME Total</b>																			











**FPL's response to  
OPC's 4th Request for Interrogatory No. 149  
Attachment 3  
Bates No. Staff 024781  
is confidential in its entirety**









**FPL's response to  
OPC's 4th Request of  
Interrogatory No. 149  
STAFF 024789**

**is confidential in its entirety**

1 Florida Power & Light Company  
 2 Docket No. 160021-EI  
 3 OPC's Fourth Set of Interrogatories  
 4 Interrogatory No. 149  
 5 Attachment No. 5  
 6 Tab 5 of 8  
 7  
 8 STAFF 024795  
 9 FPL RC-16  
 10

12 **LTAM #: 11-0366** **Detail Sheet**  
 13 **EST. #: GN10669-21**  
 14 **Job Description 1B2 RCP Seal & Flex Hose**

WBS	Description	Schedule	Description	UF	Quan	Unit	Matl Dollars	Hours	\$/ Hour	Material	Labor	Total	Man Hours
<b>Engineering X1</b>													
<b>Conceptual study design x 1.1</b>													
X.1.1	FPL NPE	5.8's			1	1 man					\$0	\$0	
X.1.1	NPE Contractor_120	5.8's			1	1 man					\$0	\$0	
X.1.1	A&E Contractor_140	5.8's			1	1 man					\$0	\$0	
<b>Engineering design (EC) x 1.2</b>													
X.1.2	FPL NPE	5.8's	Develop EC		1	2 man					\$120,000	\$120,000	
X.1.2	NPE Contractor_120	5.8's	Develop EC		1	1 man					\$0	\$0	
X.1.2	A&E Contractor_140	5.8's			1	1 man					\$0	\$0	
X.1.2	FPL Engineering Management	5.8's			1	1 man					\$0	\$0	
X.1.2	Travel & Misc. Expenses	5.8's	Travel		1	1 man					\$0	\$0	
X.1.2	Travel & Misc. Expenses	5.8's	Allowance for Qualification and Relocation expenses		1	120,000 \$					\$30,000	\$30,000	
<b>Procurement Spec x 1.3</b>													
X.1.3	FPL NPE	5.8's			1	1 man					\$0	\$0	
X.1.3	NPE Contractor_120	5.8's			1	1 man					\$0	\$0	
X.1.3	A&E Contractor_140	5.8's			1	1 man					\$0	\$0	
<b>Bill of Materials x 1.4</b>													
X.1.4	FPL NPE	5.8's			1	1 man					\$0	\$0	
X.1.4	NPE Contractor_120	5.8's			1	1 man					\$0	\$0	
X.1.4	A&E Contractor_140	5.8's			1	1 man					\$0	\$0	
<b>Drawing Updates x 1.5</b>													
X.1.5	FPL NPE	5.8's			1	1 man					\$0	\$0	
X.1.5	NPE Contractor_120	5.8's			1	1 man					\$0	\$0	
X.1.5	A&E Contractor_140	5.8's			1	1 man					\$0	\$0	
<b>Calculations x 1.6</b>													
X.1.6	FPL NPE	5.8's			1	1 man					\$0	\$0	
X.1.8	NPE Contractor_120	5.8's	pipe stress		1	1 man					\$14,400	\$14,400	
X.1.6	A&E Contractor_140	5.8's			1	1 man					\$0	\$0	
<b>Procedure Development x 1.7</b>													
X.1.7	Contractor_090	5.8's	Procedure Writer		1	1 man					\$0	\$0	
X.1.7	Contractor_100	5.8's	Test Coordinator (PTPs)		1	1 man					\$0	\$0	
<b>Closure x 1.8</b>													
X.1.8	Contractor_110	5.8's	As Built Drawing Updates		1	1 man					\$17,600	\$17,600	
X.1.2	NPE Contractor_120	5.8's			1	1 man					\$0	\$0	
X.1.2	FPL NPE	5.8's			1	1 man					\$5,400	\$5,400	
X.1.2	Contractor_130	5.8's			1	1 man					\$0	\$0	
<b>Engineering Total</b>											\$188,400	\$188,400	1,860

<b>Material X2</b>													
<b>Material under PO. x 2.1</b>													
X.2.1	EPC Contractor Supplied				1	ea	\$ -				\$0	\$0	
X.2.1	Bulk Material		Pump Seal		1	ls	\$ 992,131				\$992,131	\$992,131	
X.2.1	Bulk Material		Flex hoses		1	ea	\$ 8,700				\$34,800	\$34,800	
X.2.1	Bulk Material		Orifice plates		1	ea	\$ 1,500				\$6,000	\$6,000	
X.2.1	Bulk Material		1" & 3/4" Pipe		1	10 ls	\$ 100				\$1,000	\$1,000	
X.2.1	Bulk Material		Elbows		1	10 ls	\$ 200				\$2,000	\$2,000	
X.2.1	Bulk Material		Gaskets		1	12 ea	\$ 300				\$3,600	\$3,600	
X.2.1	Bulk Material		Seismic Supports		1	4 ea	\$ 250				\$1,000	\$1,000	
X.2.1	Bulk Material		Bolting		1	8 ea	\$ 400				\$3,200	\$3,200	
X.2.1	Bulk Material		Valves, manifold & tycon tubing for flush		1	1 ls	\$ 2,000				\$2,000	\$2,000	

	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	CONFIDENTIAL													
2	Florida Power & Light Company													
3	Docket No. 160021-EI													
4	OPC's Fourth Set of Interrogatories													
5	Interrogatory No. 149													
6	Attachment No. 6													
7	Tab 6 of 8													
8	STAFF 024795													
9	FPL RC-16													
10														
12	Detail Sheet													
13	LTAM #: 11-0366													
14	EST. #: CN10689-21													
15	Job Description: 1B2 RCP Seal & Flex Hose													
16	WBS	Description	Schedule	Description	LF	Quan	Unit	Mat'l Dollars	Hours	\$/Hour	Material	Labor	Total	Man Hours
69	X.2.1	Bulk Material		Insulation	1	1	ls	\$ 2,500			\$2,500		\$2,500	
70	X.2.1	Bulk Material			1	1	ea	\$ -			\$0		\$0	
71	X.2.1	Non-Rad waste Disposal			1	1	ls	\$ -			\$0		\$0	
72				DME for O&M Projects x.2.1.2							\$0		\$0	
73	X.2.1.4	Dormant Materials			1	1	ls	\$ -			\$0		\$0	
74	X.2.1.4	Dormant Materials			1	1	ls	\$ -			\$0		\$0	
75	X.2.1.4	Dormant Materials			1	1	ls	\$ -			\$0		\$0	
76				Rental Equipment x.2.2							\$0		\$0	
77	X.2.2	Office Trailers			1	1	ls	\$ -			\$0		\$0	
78	X.2.2	Heavy Equipment			1	1	ls	\$ -			\$0		\$0	
79	X.2.1	Bulk Material		Consumables:				6% of Direct Labor			\$19,243		\$19,243	
80											<b>Material Total</b>		<b>\$1,067,474</b>	
81	DME for Capital Projects													
83	X.2.1.4	Dormant Materials			1	1	ls	\$ -			\$0		\$0	
84	X.2.1.4	Dormant Materials			1	1	ls	\$ -			\$0		\$0	
85	X.2.1.4	Dormant Materials			1	1	ls	\$ -			\$0		\$0	
86	X.2.1.4	Dormant Materials			1	1	ls	\$ -			\$0		\$0	
87											<b>DME Total</b>		<b>\$0</b>	



	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Florida Power & Light Company													
2	Docket No. 160021-EI													
3	OPC's Fourth Set of Interrogatories													
4	Interrogatory No. 149													
5	Attachment No. 6													
6	Tab 5 of 8													
7														
8	STAFF 024795													
9	FPL RC-16													
10														
12	LTAM #: 11-0366													
13	EST. #: GN10689-21													
14	Job Description 1B2 RCP Seal & Flex Hose													
15														
16	WBS	Description	Schedule	Description	UF	Quan	Unit	Mat Dollars	Hours	\$/Hour	Material	Labor	Total	Man Hours
88	<b>Implementation X3</b>													
90	RP Support x3.1													
91	X.3.1	NEE Supervisor	5.8's			1	1 men					\$0	\$0	
92	X.3.1	ALARA Engineer	5.8's	HP- ALARA eng		1	1 men					\$22,104	\$22,104	
93	X.3.1	HP-Contractor Sr	5.8's			1	1 men					\$33,990	\$33,990	
94	X.3.1	HP-Contractor - Decon Tech	5.8's			1	1 men					\$33,912	\$33,912	
95	X.3.1	Rad Waste Disposal	5.8's	Estimate weight in lb's		1	1 lb					\$25,000	\$25,000	
96	Work order planning- Package development x3.2													
97	X.3.2	FPL	5.8's			1	1 men					\$0	\$0	
98	X.3.2	Contractor_110	5.8's			1	1 men					\$0	\$0	
99	X.3.2	Contractor_080	5.8's			1	2 men					\$48,000	\$48,000	
100	In-Processing x3.3													
101	X.3.3	Craft - Boilermaker	5.8's			1	0 men					\$0	\$0	
102	X.3.3	Craft - Carpenter	5.8's			1	0 men					\$0	\$0	
103	X.3.3	Craft - Pipefitter	5.8's			1	4 men					\$8,502	\$8,502	
104	X.3.3	Craft - Insulator	5.8's			1	0 men					\$0	\$0	
105	X.3.3	Craft - Iron Worker	5.8's			1	0 men					\$0	\$0	
106	X.3.3	Craft - Laborer	5.8's			1	0 men					\$0	\$0	
107	X.3.3	Craft - Operating Engineer	5.8's			1	0 men					\$0	\$0	
108	X.3.3	Craft - Pipefitter	5.8's			1	0 men					\$0	\$0	
109	X.3.3	Craft - Sheet Metal Worker	5.8's			1	0 men					\$0	\$0	
110	X.3.3	Craft - Teamster	5.8's			1	0 men					\$0	\$0	
111	Training Qualifications & Mock-up x3.4													
112	X.3.4	Craft - Electrician	5.8's	Training		1	1 men					\$0	\$0	
113	X.3.4	Craft - Pipefitter	5.8's	Training		1	1 men					\$0	\$0	
114	X.3.4	Contractor_110	5.8's	Mock-up		1	1 men					\$0	\$0	
115	Field construction x3.5													
116	Shop fab X 3.5.1													
117														
118														
119	X.3.5	Craft - Laborer	5.8's			1	1 men					\$0	\$0	
120	X.3.5	Craft - Pipefitter	5.8's			1	1 men					\$0	\$0	
121	X.3.5	Craft - Pipefitter	5.8's			1	1 men					\$0	\$0	
122	X.3.5	Craft - Insulator (Asbestos)	5.8's			1	1 men					\$0	\$0	
123	X.3.5	Craft - Pipefitter	5.8's			1	1 men					\$0	\$0	
124	X.3.5	Craft - Insulator	5.8's			1	1 men					\$0	\$0	
125	X.3.5	Craft - Insulator	5.8's			1	1 men					\$0	\$0	
126	Pre implementation X 3.5.2													
127	X.3.5	Craft - Insulator	5.8's			1	1 men					\$0	\$0	
128	X.3.5	Craft - Pipefitter	5.8's			1	1 men					\$0	\$0	
129	X.3.5	Contractor_140	5.8's	Flowsere assemble & test seal		1	1 men					\$35,000	\$35,000	
130	X.3.5	Craft - Pipefitter	5.8's	Support vendor		1	1 men					\$106	\$106	
131	X.3.5	Craft - Operating Engineer	5.8's	Support vendor		1	1 men					\$48	\$48	
132	X.3.5	Craft - Teamster	5.8's	Support vendor		1	1 men					\$58	\$58	
133	X.3.5	Craft - Pipefitter	5.8's			1	1 men					\$0	\$0	
134	X.3.5	Craft - Insulator	5.8's			1	1 men					\$0	\$0	
135	X.3.5	Craft - Insulator	5.8's			1	1 men					\$0	\$0	
136	Implementation X 3.5.3													
137	X.3.5	Craft - Pipefitter	5.8's			1	1 men					\$0	\$0	
138	X.3.5	Craft - Pipefitter	5.8's			1	1 men					\$0	\$0	
139	X.3.5	Craft - Electrician	7.40's	TPL Support		1	2 men					\$4,971	\$4,971	

	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Florida Power & Light Company				CONFIDENTIAL									
2	Docket No. 160021-EI													
3	OPC's Fourth Set of Interrogatories													
4	Interrogatory No. 149													
5	Attachment No. 6													
6	Tab 5 of 8													
7														
8	STAFF 024795													
9	FPL RC-16													
10														
12	LTAM#: 11-0366				Detail Sheet									
13	EST #: CN10689-21													
14	Job Description 1B2 RCP Seal & Flex Hose													
15														
16	WBS	Description	Schedule	Description	UF	Quan	Unit	Matl/Dollars	Hours	\$/Hour	Material	Leber	Total	Man Hours
140	X.3.5	Craft - Carpenter	7,10's	Install/remove scaffold (dance floor & FME barrier)	1	6	men					\$11,762	\$11,762	
141	X.3.5	Craft - Laborer	7,10's		1	3	men					\$5,170	\$5,170	
142	X.3.5	Craft - Insulator	7,10's	Remove insulation	1	1	men					\$1,310	\$1,310	
143	X.3.5	Craft - Sheet Metal Worker	7,10's		1	1	men					\$1,163	\$1,163	
144	X.3.5	Craft - Insulator	7,10's	Fab insulation	1	2	men					\$5,239	\$5,239	
145	X.3.5	Craft - Insulator	7,10's	Replace insulation	1	1	men					\$5,239	\$5,239	
146	X.3.5	Craft - Sheet Metal Worker	7,10's		1	1	men					\$4,651	\$4,651	
147	X.3.5	Craft - Pipefitter	7,10's	Mobilize tools equipment & sign on clearance	1	4	men					\$2,639	\$2,639	
148	X.3.5	Craft - Pipefitter	7,10's	Remove seal line spool pieces 4 per pump	1	4	ea					\$5,279	\$5,279	
149	X.3.5	Craft - Pipefitter	7,10's	Fit-up Weld New Pipe	1	4	ea					\$10,557	\$10,557	
150	X.3.5	Craft - Pipefitter	7,10's	Install Flex Hose and Orifice	1	4	ea					\$10,557	\$10,557	
151	X.3.5	Craft - Pipefitter	7,10's	Fab & Install New Supports	1	4	ea					\$10,557	\$10,557	
152	X.3.5	Craft - Laborer	7,10's	Fire Watch & Cleanup Support	1	1	men					\$3,448	\$3,448	
153	X.3.5	Craft - Pipefitter	7,10's	Demobilize clean area	1	4	men					\$2,639	\$2,639	
154	X.3.5	Craft - Painter	7,10's	Coating Support	1	2	men					\$2,090	\$2,090	
155	X.3.5	Craft - Pipefitter	7,10's	Flush Piping	1	4	men					\$10,557	\$10,557	
156	X.3.5	Craft - Pipefitter	5,8's		1	1	men					\$0	\$0	
157	X.3.5	Craft - Pipefitter	5,8's		1	1	men					\$0	\$0	
158	X.3.5	Craft - Pipefitter	5,8's		1	1	men					\$0	\$0	
159	X.3.5	Craft - Pipefitter	5,8's		1	1	men					\$0	\$0	
160	X.3.5	Craft - Pipefitter	5,8's		1	1	men					\$0	\$0	
161	X.3.5	Craft - Pipefitter	5,8's		1	1	men					\$0	\$0	
162	X.3.5	Craft - Painter	5,8's		1	1	men					\$0	\$0	
163	Testing X3.5.4											\$0	\$0	
164	X.3.5	Craft - Pipefitter	7,10's		1	1	men					\$0	\$0	
165	X.3.5	FPL Maintenance	7,10's	PMT	1	1	men					\$0	\$0	
166	X.3.5	Contractor_100	7,10's	NDE	1	1	men					\$0	\$0	
167	X.3.5	FPL	7,10's	Operability Testing	1	1	men					\$0	\$0	
168	Foreman / Gen. Foreman X 3.5													
169	X.3.5	Craft - Carpenter	5,8's		1	240	hrs					\$1,196	\$1,196	
170	X.3.5	Craft - Electrician	5,8's		1	80	hrs					\$497	\$497	
171	X.3.5	Craft - Sheet Metal Worker	5,8's		1	100	hrs					\$608	\$608	
172	X.3.5	Craft - Laborer	5,8's		1	200	hrs					\$873	\$873	
173	X.3.5	Craft - Pipefitter	5,8's		1	962	hrs					\$12,779	\$12,779	
174	X.3.5	Craft - Painter	5,8's		1	40	hrs					\$213	\$213	
175	Non-Manual X 3.5													
176	X.3.5	Staff - Field Engineer	5,8's	Package development	1	1	men					\$5,418	\$5,418	
177	X.3.5	Staff - Field Supervisor	5,8's	Craft Supervisor	1	1	men					\$26,163	\$26,163	
178	X.3.5	Staff - Field Admin	5,8's	Admin Staff	1	1	men					\$0	\$0	
179	X.3.5	Core Staff Allocation	5,8's	Support Staff Allocation	1	1	men					\$3,857	\$3,857	
180	Support and Oversight Construction supervisor X 3.5													
181	X.3.5	FPL	5,8's	2013 costs	1	1	men					\$2,380	\$2,380	
182	X.3.5	Contractor_110	5,8's	Construction Supervisor 1	1	1	men					\$38,500	\$38,500	
183	X.3.5	Contractor_110	5,8's	Construction Supervisor 2	1	1	men					\$0	\$0	
184	X.3.5	Contractor_110	5,8's	Weld Engineer Contractor	1	1	men					\$0	\$0	
185	Supplementary support X 3.5													
186	X.3.5	Other	5,8's		1	1	men					\$0	\$0	
187	X.3.5	Contractor_030	5,8's	Security	1	1	men					\$0	\$0	
188	X.3.5	Contractor_080	5,8's	QC	1	1	men					\$6,400	\$6,400	
189	X.3.5	FPL	5,8's	Maintenance	1	1	men					\$0	\$0	
190	X.3.5	FPL	5,8's	Operations	1	1	men					\$0	\$0	
191	X.3.5	FPL	5,8's	ISC	1	1	men					\$0	\$0	



	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	Florida Power & Light Company			CONFIDENTIAL											
2	Docket No. 160021-EI														
3	OPC's Fourth Set of Interrogatories														
4	Interrogatory No. 149														
5	Attachment No. 8														
6	Tab 5 of 8														
7															
8	STAFF 024785														
9	FPL RC-16														
10															
12	LTAM #: 11-0366			Detail Sheet											
13	EST #: CN10689-21														
14	Job Description: 1B2 RCP Seal & Flex Hose														
15															
16	WBS	Description	Schedule	Description	UF	Quan	Unit	Matl Dollars	Hours	\$/Hour	Material	Labor	Total	Man Hours	
239				AFUDC Interest Costs	1	#REF!	\$					\$192,004	\$192,004		
240	800														
241															
242	Indirect / Allocated Costs - Total											#REF!	#REF!	#REF!	#REF!
243	Total Estimate (Excluding DME & Capital)											#REF!	#REF!	#REF!	#REF!
244															
245	Total Estimate for DME & Capital Project											\$0	\$0	\$0	0
246															
247	Total Estimate (O&M and Capital)											#REF!	#REF!	#REF!	#REF!
248															

**FPL's response to  
OPC's 4th Request for Interrogatory No. 149  
Attachment 6  
Bates No. Staff 024797  
is confidential in its entirety**









CONFIDENTIAL																							
1	Florida Power & Light Company																						
2	Docket No. 16091-ED																						
3	OPC's Fourth Set of Interatories																						
4	Interatory No. 149																						
5	Attachment No. 7																						
6	Tab 5 of 8																						
7																							
8	STAFF 024603																						
9	PPL-RC-16																						
10																							
11	Detail Sheet																						
12	EST. # - 011072401																						
13	Job Description - U1 RCP Vibration Monitor Upgrade																						
14	Escalation Cash Flow																						
15	Escalation Factor: 1.00%, 4.25%, 3.00%, 12.85%																						
16	Escalation Period: 2016, 2017, 2018, 2019																						
WBS	Description	Schedule	Description	UP	Quan	Unit	Mar/Color	Hours	Eff/ Hour	Material	Labor	Total	Net/ hour	Notes	2016	2017	2018	2019	2016	2017	2018	2019	
<b>Testing X3.5.4</b>																							
250	X.3.5	Craft - Pipefitter			1	man					\$0	\$0							\$0	\$0	\$0	\$0	
251	X.3.5	PPL Maintenance			1	2	meh			\$5,000	\$5,000	\$5,000							\$5,000	\$5,000	\$5,000	\$5,000	
252	X.3.5	Contractor 100			1	1	man			\$0	\$0	\$0							\$0	\$0	\$0	\$0	
253	X.3.5	FPL			1	1	man			\$0	\$0	\$0							\$0	\$0	\$0	\$0	
254	X.3.5	Craft - Carpenter			1	1,600	hrs			\$7,000	\$7,000	\$7,000							\$7,000	\$7,000	\$7,000	\$7,000	
255	X.3.5	Craft - Electrician			1	20,214	hrs			\$212,238	\$212,238	\$212,238			\$21,224				\$21,224	\$21,224	\$21,224	\$21,224	
256	X.3.5	Craft - Sheet Metal Worker			1	80	hrs			\$478	\$478	\$478							\$478	\$478	\$478	\$478	
257	X.3.5	Craft - Laborer			1	2,010	hrs			\$8,048	\$8,048	\$8,048							\$8,048	\$8,048	\$8,048	\$8,048	
258	X.3.5	Craft - Pipefitter			1	0	hrs			\$0	\$0	\$0							\$0	\$0	\$0	\$0	
259	X.3.5	Craft - Painter			1	250	hrs			\$1,219	\$1,219	\$1,219							\$1,219	\$1,219	\$1,219	\$1,219	
<b>Non-Manual X.3.5</b>																							
260	X.3.5	Staff - Field Engineer	Package development		1	1	man			\$32,319	\$32,319	\$32,319							\$32,319	\$32,319	\$32,319	\$32,319	
261	X.3.5	Staff - Field Supervisor	Craft Supervisor		1	2	man			\$122,768	\$122,768	\$122,768							\$122,768	\$122,768	\$122,768	\$122,768	
262	X.3.5	Staff - Support	Support Staff Allocation		1	1	man			\$188,241	\$188,241	\$188,241							\$188,241	\$188,241	\$188,241	\$188,241	
263	X.3.5	Staff - Cooling Supervisor			1	1	man			\$2,775	\$2,775	\$2,775							\$2,775	\$2,775	\$2,775	\$2,775	
<b>Support and Oversight, Construction Supervisor X.3.6</b>																							
264	X.3.6	FPL			1	1	man			\$0	\$0	\$0							\$0	\$0	\$0	\$0	
265	X.3.6	Contractor 110	Construction Supervisor 1		1	1	man			\$104,600	\$104,600	\$104,600			\$18,000	\$40,000	\$48,500	\$48,500	\$48,500	\$48,500	\$48,500	\$48,500	
266	X.3.6	Contractor 110	Construction Supervisor 2		1	1	man			\$80,000	\$80,000	\$80,000			\$15,000	\$30,000	\$36,000	\$36,000	\$36,000	\$36,000	\$36,000	\$36,000	
267	X.3.6	Contractor 110	Weld Engineer Contractor		1	1	man			\$0	\$0	\$0							\$0	\$0	\$0	\$0	
<b>Supplemental support X.3.5</b>																							
268	X.3.5	Other			1	1	man			\$0	\$0	\$0							\$0	\$0	\$0	\$0	
269	X.3.5	Contractor 030	Security		1	1	man			\$0	\$0	\$0							\$0	\$0	\$0	\$0	
270	X.3.5	Contractor 080	QC		1	1	meh			\$12,800	\$12,800	\$12,800							\$12,800	\$12,800	\$12,800	\$12,800	
271	X.3.5	FPL	Maintenance		1	1	man			\$0	\$0	\$0							\$0	\$0	\$0	\$0	
272	X.3.5	FPL	Operations		1	1	man			\$0	\$0	\$0							\$0	\$0	\$0	\$0	
273	X.3.5	FPL	ISC		1	1	man			\$0	\$0	\$0							\$0	\$0	\$0	\$0	
274	X.3.5									\$0	\$0	\$0							\$0	\$0	\$0	\$0	
275	Remaining Fee at Risk Reconciled Annually or End of Outage										\$89,445	\$89,445	\$89,445						\$89,445	\$89,445	\$89,445	\$89,445	
276	<b>Implementation - Total</b>										\$0	\$2,601,891	\$2,601,891	18,369		\$164,185	\$135,089	\$2,302,417	\$0	\$4,928	\$8,227	\$219,456	\$0
<b>Project Support X.4</b>																							
<b>Project Management X.4.1</b>																							
300	X.4.1	FPL	Project Manager FPL		1	1	man			\$0	\$0	\$0							\$0	\$0	\$0	\$0	
301	X.4.1	Contractor_130	Project Manager Contractor (use top project manager)		1	1	man			\$65,000	\$65,000	\$65,000			\$19,500	\$26,000	\$31,500	\$31,500	\$31,500	\$31,500	\$31,500	\$31,500	
302	X.4.1	Contractor_110	Project Coordinator 1		1	1	man			\$150,000	\$150,000	\$150,000			\$22,000	\$44,000	\$44,000	\$44,000	\$44,000	\$44,000	\$44,000	\$44,000	
303	X.4.1	Contractor_110	Project Coordinator 2		1	1	man			\$44,000	\$44,000	\$44,000			\$8,800	\$8,800	\$8,800	\$8,800	\$8,800	\$8,800	\$8,800	\$8,800	
304	X.4.1	Contractor_030	Admin		1	1	man			\$16,000	\$16,000	\$16,000			\$3,200	\$3,200	\$3,200	\$3,200	\$3,200	\$3,200	\$3,200	\$3,200	
305	X.4.1	Contractor_040	Material Coordinator		1	1	man			\$20,000	\$20,000	\$20,000			\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	
<b>Design/Development X.4.2</b>																							
306	X.4.2	Contractor_110			1	1	man			\$0	\$0	\$0							\$0	\$0	\$0	\$0	
<b>Regulatory/Interagency X.4.3</b>																							
307	X.4.3	Contractor 120	Licensing		1	1	meh			\$0	\$0	\$0							\$0	\$0	\$0	\$0	
308	X.4.3		NRC Fees		1	1				\$0	\$0	\$0							\$0	\$0	\$0	\$0	
<b>Monitoring and Control X.4.4</b>																							
309	X.4.4	Contractor 100	Scheduler 1		1	1	man			\$80,000	\$80,000	\$80,000			\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	
310	X.4.4	Contractor_060	Cost Analyst		1	1	man			\$80,000	\$80,000	\$80,000			\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	
311	X.4.4	Contractor_090	Estimator		1	1	man			\$18,000	\$18,000	\$18,000			\$3,600	\$3,600	\$3,600	\$3,600	\$3,600	\$3,600	\$3,600	\$3,600	
<b>Training X.4.5</b>																							
312	X.4.5	Contractor 110			1	1	man			\$0	\$0	\$0							\$0	\$0	\$0	\$0	
<b>Closure X.4.6</b>																							
313	X.4.6	Contractor 110			1	1	man			\$0	\$0	\$0							\$0	\$0	\$0	\$0	
<b>Travel &amp; Misc. Expenses</b>																							
314	X.4.1	FPL Project Support	Travel & Misc. Expenses		1	1	ea			\$0	\$0	\$0							\$0	\$0	\$0	\$0	
315	X.4.1	FPL Project Support	Projects Department Overhead (MOP, Lead PM, PCS, Admin, CAPCO) as a percentage of total labor				4%			\$148,387	\$148,387	\$148,387			\$15,000	\$40,000	\$93,387	\$93,387	\$93,387	\$93,387	\$93,387	\$93,387	
316	<b>Project Support - Total</b>										\$0	\$368,200	\$816,287	4,100		\$73,500	\$296,300	\$221,807	\$0	\$2,475	\$12,885	\$31,474	\$0
<b>Outage Management Costs</b>																							
317			Outage Distributed Costs (Primary)							\$88,112	\$88,112	\$88,112			\$59,415	\$59,415	\$59,415	\$59,415	\$59,415	\$59,415	\$59,415	\$59,415	
318			Outage Distributed Costs (Secondary)							\$121,000	\$121,000	\$121,000			\$80,400	\$80,400	\$80,400	\$80,400	\$80,400	\$80,400	\$80,400	\$80,400	
319			Reactor Head Disassembly (Percent Allocation of \$ to mths to Projects requiring RCS to be Drained)		888,609	\$				\$0	\$0	\$0							\$0	\$0	\$0	\$0	
320			Nozzle Dens and Pwr Manway (Percent Allocation of \$ to Projects Working on 1B of Containment)		679,160	\$				\$0	\$0	\$0							\$0	\$0	\$0	\$0	
321			CAF (Percent Allocation of \$ to Capital Projects Requiring Access to the RCA)		679,445	\$				\$0	\$0	\$0							\$0	\$0	\$0	\$0	
322			Painting (Percent Allocation of \$ to Major Projects to Manage Overflow Requirements)		112,500	\$				\$0	\$0	\$0							\$0	\$0	\$0	\$0	
323			Contractor Wrap-up Insurance on Shaw, Williams, G45, & Barfield		888,000	\$				\$0	\$0	\$0							\$0	\$0	\$0	\$0	
324			Outage Management: 1 OCC Rep, 1 Clearance Coordinator, 5 Train Room Members per shift shared among major capital projects		14	664	hrs			\$148,387	\$148,387	\$148,387			\$16,733	\$40,000	\$93,387	\$93,387	\$93,387	\$93,387	\$93,387	\$93,387	
325			RIP Allocation (Included in FPL Labor Mark-up starting in 2017)		0	\$				\$0	\$0	\$0							\$0	\$0	\$0	\$0	

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	CONFIDENTIAL																						
2	Florida Power & Light Company																						
3	Decree No. 190021-EI																						
4	OPC's Fourth Set of Interrogatories																						
5	Interrogatory No. 149																						
6	Attachment No. 7																						
7	Tab 8 of 8																						
8	STAFF 024809																						
9	PPL RC-16																						
10																							
11	Detail Sheet																	Escalation Cash Flow					
12	TAM # 11-0552																	Escalation Factor					
13	EST # CM10723.01																	1.00%					
14	Job Description U1 RCP Vibration Monitor Upgrade																	0.27%					
15																		1.00%					
16																		11.55%					
17	YRS	Description	Schedule	Description	QTY	Class	Unit	Material	Hours	1 Hour	Material	Labor	Total	Material	Amount	2016	2017	2018	2019	2016	2017	2018	2019
18				EO Allocation - 1.35% Applied to Total Project Cost for Capital non-ECRC only	1000000	\$						17,489	17,489			\$7,489	\$11,234	\$9,168					
19																		\$7,489	\$11,234	\$9,168			
20																		\$11,234	\$11,234	\$11,234			
21																		\$9,168	\$9,168	\$9,168			
22	Total Estimate (including DM&E Capital)																	\$46,123	\$80,491	\$4,060,728			
23																		\$46,123	\$80,491	\$4,060,728			
24	Total Estimate for TAM # Capital Project																	\$0	\$0	\$0			
25																		\$0	\$0	\$0			
26	Total Estimate (TAM and Capital)																	\$46,123	\$80,491	\$4,060,728			
27																		\$46,123	\$80,491	\$4,060,728			
28																		\$46,123	\$80,491	\$4,060,728			

**FPL's response to  
OPC's 4th Request for Interrogatory No. 149  
Attachment 7  
Bates No. Staff 024805  
is confidential in its entirety**

**FPL's response to  
OPC's 11th Request for Interrogatory No. 294  
Attachment 1  
Bates No. 028193  
is confidential in its entirety**

	A	B	C	D	E	F	G
1	OPC 028194			CONFIDENTIAL	Florida Power & Light Company		
2	FPL RC-15				Docket No. 160021-EI		
3					OPC's Eleventh Set of Interrogatories		
4					Interrogatory No. 295		
5					Attachment No. 1		
6					Tab 1 of 1		
7	Gains by Transaction Type by Year						
8	Type of Transaction:		Wholesale Economy Energy Sales				
9	Year	Revenue (\$) <sup>(1)</sup>	Units (MWH)	Incremental O&M Costs <sup>(2)</sup>	Total Gain/Savings (\$) <sup>(3)</sup>		
10	2010	\$4,421,987	432,298	N/A	\$4,421,987		
11	2011	\$4,918,688	468,676	N/A	\$4,918,688		
12	2012	\$3,375,756	369,827	N/A	\$3,375,756		
13	2013	\$12,842,036	1,944,763	(\$2,160,452)	\$10,681,584		
14	2014	\$45,741,859	2,494,290	(\$2,304,384)	\$43,437,475		
15	2015	\$25,761,048	2,391,991	(\$2,563,924)	\$23,197,124		
16							
17	<sup>(1)</sup> Net of Third-Party Transmission Costs and Incremental GT O&M Costs						
18	<sup>(2)</sup> Variable Power Plant O&M						
19	<sup>(3)</sup> Excludes Power Option Premiums						
20							
21	Gains by Transaction Type by Year						
22	Type of Transaction:		Wholesale Economy Energy Purchases				
23	Year	Revenue (\$) <sup>(1)</sup>	Units (MWH) <sup>(1)</sup>	Incremental O&M Costs	Total Gain/Savings (\$)		
24	2010	\$78,316,363	2,212,468	N/A	\$78,316,363		
25	2011	\$64,644,735	1,314,648	N/A	\$64,644,735		
26	2012	\$37,188,404	813,947	N/A	\$37,188,404		
27	2013	\$3,205,747	147,977	N/A	\$3,205,747		
28	2014	\$10,528,279	421,470	N/A	\$10,528,279		
29	2015	\$9,577,611	523,866	N/A	\$9,577,611		
30							
31	<sup>(1)</sup> Includes capacity purchases in 2014						
32							
33	Gains by Transaction Type by Year						
34	Type of Transaction:		Power Option Premiums				
35	Year	Revenue (\$)	Units (MWH)	Incremental O&M Costs	Total Gain/Savings (\$)		
36	2010	\$0		N/A	\$0		
37	2011	\$83,440		N/A	\$83,440		
38	2012	\$0		N/A	\$0		
39	2013	\$471,422		N/A	\$471,422		
40	2014	\$38,442		N/A	\$38,442		
41	2015	\$200,777		N/A	\$200,777		
42							
43	Gains by Transaction Type by Year						
44	Type of Transaction:		Delivered City-Gate Sales				
45	Year	Revenue (\$)	Units (MMBTU)	Incremental O&M Costs	Total Gain/Savings (\$)		
46	2010	N/A	N/A	N/A	N/A		
47	2011	N/A	N/A	N/A	N/A		
48	2012	N/A	N/A	N/A	N/A		
49	2013	\$908,857		N/A	\$908,857		
50	2014	\$744,104		N/A	\$744,104		
51	2015	\$1,260,405		N/A	\$1,260,405		

	A	B	C	D	E	F	G
52							
53	Gains by Transaction Type by Year						
54	Type of Transaction:		Production (Upstream) Area Sales				
55	Year	Revenue (\$)	Units (MMBTU)	Incremental O&M Costs	Total Gain/Savings (\$)		
56	2010	N/A	N/A	N/A	N/A		
57	2011	N/A	N/A	N/A	N/A		
58	2012	N/A	N/A	N/A	N/A		
59	2013	\$2,649,611		N/A	\$2,649,611		
60	2014	\$964,123		N/A	\$964,123		
61	2015	\$471,992		N/A	\$471,992		
62							
63	Gains by Transaction Type by Year						
64	Type of Transaction:		Capacity Release of Natural Gas Transport				
65	Year	Revenue (\$)	Units (MMBTU)	Incremental O&M Costs	Total Gain/Savings (\$)		
66	2010	N/A	N/A	N/A	N/A		
67	2011	N/A	N/A	N/A	N/A		
68	2012	N/A	N/A	N/A	N/A		
69	2013	\$678,798		N/A	\$678,798		
70	2014	\$1,006,558		N/A	\$1,006,558		
71	2015	\$856,448		N/A	\$856,448		
72							
73	Gains by Transaction Type by Year						
74	Type of Transaction:		Natural Gas Option Premiums				
75	Year	Revenue (\$)	Units (MMBTU)	Incremental O&M Costs	Total Gain/Savings (\$)		
76	2010	N/A	N/A	N/A	N/A		
77	2011	N/A	N/A	N/A	N/A		
78	2012	N/A	N/A	N/A	N/A		
79	2013	\$3,162,795		N/A	\$3,162,795		
80	2014	\$5,895,600		N/A	\$5,895,600		
81	2015	\$6,963,597		N/A	\$6,963,597		
82							
83	Gains by Transaction Type by Year						
84	Type of Transaction:		Natural Gas Storage Utilization				
85	Year	Revenue (\$)	Units (MMBTU)	Incremental O&M Costs	Total Gain/Savings (\$)		
86	2010	N/A	N/A	N/A	N/A		
87	2011	N/A	N/A	N/A	N/A		
88	2012	N/A	N/A	N/A	N/A		
89	2013	\$158,513		N/A	\$158,513		
90	2014	\$1,030,023		N/A	\$1,030,023		
91	2015	\$725,204		N/A	\$725,204		
92							
93	Gains by Transaction Type by Year						
94	Type of Transaction:		Asset Management Agreement				
95	Year	Revenue (\$)	Units (MMBTU)	Incremental O&M Costs	Total Gain/Savings (\$)		
96	2010	N/A	N/A	N/A	N/A		
97	2011	N/A	N/A	N/A	N/A		
98	2012	N/A	N/A	N/A	N/A		
99	2013	\$1,569,554		N/A	\$1,569,554		
100	2014	\$2,302,331		N/A	\$2,302,331		
101	2015	\$1,545,201		N/A	\$1,545,201		

	A	B	C	D	E	F	G	
102								
103	Gains by Transaction Type by Year							
104	Type of Transaction:		Capacity Release of Electric Transmission					
105	Year	Revenue (\$)	Units (MWH)	Incremental O&M Costs	Total Gain/Savings (\$)			
106	2010	\$0		N/A	\$0			
107	2011	\$43,500		N/A	\$43,500			
108	2012	\$805,766		N/A	\$805,766			
109	2013	\$1,076,991		N/A	\$1,076,991			
110	2014	\$1,659,932		N/A	\$1,659,932			
111	2015	\$2,086,020		N/A	\$2,086,020			
112	Gains by Transaction Type by Year							
113	Type of Transaction:		Coal Sales					
114	Year	Revenue (\$)	Units (Tons)	Incremental O&M Costs	Total Gain/Savings (\$)			
116	2010	N/A	N/A	N/A	N/A			
117	2011	N/A	N/A	N/A	N/A			
118	2012	N/A	N/A	N/A	N/A			
119	2013	\$0		N/A	\$0			
120	2014	\$20,000		N/A	\$20,000			
121	2015	\$0		N/A	\$0			

CONFIDENTIAL

A B C D E F G H I

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100

Counterparty	Portfolio	Unit Of Measure	Deal Number	Direction	Contract Month	Volume (Signed)	Strategy	Trade Date
	FPL Optimization Program	MMBTU	1367961	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1435152	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1379518	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1382244	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1382605	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1371304	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1386715	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1376407	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1382246	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1382252	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1370814	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1382625	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1384037	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1395728	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1391187	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1404808	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1448105	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1461779	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1405416	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1465322	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1465982	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1465986	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1465989	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1465981	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1465324	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1465326	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1465346	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1465985	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1465910	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1465992	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1488583	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1488583	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1488602	SALE			STORAOPTIM	



CONFIDENTIAL

Page 2 of 3

A	B	C	D	E	F	G	H	I
Counterparty	Portfolio	Unit Of Measure	Deal Number	Direction	Contract Month	Volume (Signed)	Strategy	Trade Date
1	FPL Optimization Program	MMBTU	1489386	SALE			STORAOPTIM	
2	FPL Optimization Program	MMBTU	1490716	SALE			STORAOPTIM	
3	FPL Optimization Program	MMBTU	1490716	SALE			STORAOPTIM	
4	FPL Optimization Program	MMBTU	1490716	SALE			STORAOPTIM	
5	FPL Optimization Program	MMBTU	1498238	SALE			STORAOPTIM	
6	FPL Optimization Program	MMBTU	1491152	SALE			STORAOPTIM	
7	FPL Optimization Program	MMBTU	1500948	SALE			STORAOPTIM	
8	FPL Optimization Program	MMBTU	1500948	SALE			STORAOPTIM	
9	FPL Optimization Program	MMBTU	1500948	SALE			STORAOPTIM	
10	FPL Optimization Program	MMBTU	1485286	SALE			STORAOPTIM	
11	FPL Optimization Program	MMBTU	1490088	SALE			STORAOPTIM	
12	FPL Optimization Program	MMBTU	1496317	SALE			STORAOPTIM	
13	FPL Optimization Program	MMBTU	1489410	SALE			STORAOPTIM	
14	FPL Optimization Program	MMBTU	1500352	SALE			STORAOPTIM	
15	FPL Optimization Program	MMBTU	1500352	SALE			STORAOPTIM	
16	FPL Optimization Program	MMBTU	1501732	SALE			STORAOPTIM	
17	FPL Optimization Program	MMBTU	1506280	SALE			STORAOPTIM	
18	FPL Optimization Program	MMBTU	1528331	SALE			STORAOPTIM	
19	FPL Optimization Program	MMBTU	1543255	SALE			STORAOPTIM	
20	FPL Optimization Program	MMBTU	1536123	SALE			STORAOPTIM	
21	FPL Optimization Program	MMBTU	1545360	SALE			STORAOPTIM	
22	FPL Optimization Program	MMBTU	1533548	SALE			STORAOPTIM	
23	FPL Optimization Program	MMBTU	1505488	SALE			STORAOPTIM	
24	FPL Optimization Program	MMBTU	1515896	SALE			STORAOPTIM	
25	FPL Optimization Program	MMBTU	1504971	SALE			STORAOPTIM	
26	FPL Optimization Program	MMBTU	1559990	SALE			STORAOPTIM	
27	FPL Optimization Program	MMBTU	1559547	SALE			STORAOPTIM	
28	FPL Optimization Program	MMBTU	1560980	SALE			STORAOPTIM	
29	FPL Optimization Program	MMBTU	1562721	SALE			STORAOPTIM	
30	FPL Optimization Program	MMBTU	1534728	SALE			STORAOPTIM	
31	FPL Optimization Program	MMBTU	1593354	SALE			STORAOPTIM	
32	FPL Optimization Program	MMBTU	1593356	SALE			STORAOPTIM	
33	FPL Optimization Program	MMBTU	1574980	SALE			STORAOPTIM	

CONFIDENTIAL

A B C D E F G H I

21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100

Counterparty	Portfolio	Unit Of Measure	Deal Number	Direction	Contract Month	Volume (Signed)	Strategy	Trade Date
	FPL Optimization Program	MMBTU	1605938	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1598662	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1598664	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1609383	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1599516	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1609384	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1593384	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1605897	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1606640	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1607471	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1608225	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1586315	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1585197	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1585207	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1585188	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1585199	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1619006	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1616932	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1617857	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1591230	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1591229	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1589406	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1546242	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1554175	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1548055	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1551900	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1548479	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1550381	SALE			STORAOPTIM	
	FPL Optimization Program	MMBTU	1551463	SALE			STORAOPTIM	

CONFIDENTIAL

Florida Power & Light Company  
Docket No. 16021-EI  
Staff's Seventeenth Set of Interrogatories  
Interrogatory No. 295  
Page 4 of 4

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18

liquidity, and operational constraints. There is a certain amount of price risk inherent in FPL's procurement strategy because of the unpredictable relationship among term, monthly and daily settlement prices. A

[REDACTED]

[REDACTED]

**FPL's response to  
Staff's 17th Request for Interrogatory No. 301  
Attachment 1  
Bates No. 000825  
is confidential in its entirety**

# **EXHIBIT C**

## **JUSTIFICATION TABLE**

**EXHIBIT C**

**COMPANY:** Florida Power & Light Company  
**TITLE:** List of Confidential Documents  
**DOCKET NO:** 160021-EI  
**DOCKET TITLE:** Petition for Increase in Rates by Florida Power & Light Company  
**DATE:** July 1, 2016

Discovery Set	Item No.	Bates Number	Conf. Y/N	Line/Column	Florida Statute 366.093(3) Subsection	Declarant
FIPUG 3rd Set of Interrogatories	69	FIPUG 000809	Y	All	(e)	Donald Hires
OPC 4th Set of Interrogatories	145 on CD	OPC 024810	Y	Col J, K and O	(d), (e)	Mitchell P. Goldstein
		OPC 024012	Y	All	(d), (e)	Mitchell P. Goldstein
		OPC 024817	Y	Col J, K and O	(d), (e)	Mitchell P. Goldstein
		OPC 024819	Y	All	(d), (e)	Mitchell P. Goldstein
		OPC 024822	Y	Cols L, O and P	(d), (e)	Mitchell P. Goldstein
		OPC 024824	Y	Lines 9 to 53, Cols B & C	(d), (e)	Mitchell P. Goldstein
	149 on CD	Staff 024771	Y	Col J, K and O	(d), (e)	Mitchell P. Goldstein
		Staff 024773	Y	All	(d), (e)	Mitchell P. Goldstein
		Staff 024779	Y	Col J, K and O	(d), (e)	Mitchell P. Goldstein
		Staff 024781	Y	All	(d), (e)	Mitchell P. Goldstein
		Staff 024787	Y	Col J, K and O	(d), (e)	Mitchell P. Goldstein
		Staff 024789	Y	All	(d), (e)	Mitchell P. Goldstein
		Staff 024795	Y	Col J, K and O	(d), (e)	Mitchell P. Goldstein
		Staff 024797	Y	All	(d), (e)	Mitchell P. Goldstein
Staff 024803	Y	Col J, K and O	(d), (e)	Mitchell P. Goldstein		
Staff 024805	Y	All	(d), (e)	Mitchell P. Goldstein		
OPC 11th Set of Interrogatories	294	OPC 028193	Y	All	(d), (e)	Matt Belger
	295 on CD	OPC 028194	Y	Col. C, Lines 36 to 41, 49 to 51, 59 to 61, 69 to 71, 79 to 81, 89 to 91, 99 to 101, 106 to 111, 119 to 121	(d), (e)	Sam Forrest
Staff 3rd Set of Interrogatories	114	Staff 000260	Y	Cols. A, F, G, I (Lines 1 to 33)	(d), (e)	Sam Forrest
		Staff 000261	Y	Cols. A, F, G, I (Lines 1 to 33)	(d), (e)	Sam Forrest
		Staff 000262	Y	Cols. A, F, G, I (Lines 1 to 29)	(d), (e)	Sam Forrest
Staff 17th Set of Interrogatories	295	Staff 000824	Y	Line 3, Col A Lines 4 to 18	(d), (e)	Sam Forrest
	301 on CD	Staff 000825	Y	All	(d), (e)	Sam Forrest

# **EXHIBIT D**

## **DECLARATIONS**

**EXHIBIT D**

**BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

In re: Petition for rate increase by Florida  
Power & Light Company.

Docket No: 160021-EI

STATE OF FLORIDA                    )  
  )  
COUNTY OF PALM BEACH        )     **WRITTEN DECLARATION OF**  
  )     **MATT BELGER**

1. My name is MATT BELGER. I am currently employed by Florida Power & Light Company ("FPL") as Manager Project Controls and Scheduling, FPL Engineering and Construction. I have personal knowledge of the matters stated in this written declaration.

2. I have reviewed the documents referenced and incorporated in FPL's Request for Confidential Classification for which I am identified as a declarant. The documents or materials that I have reviewed and which are asserted by FPL to contain information concerning competitive interests, the disclosure of which would impair the competitive business of the provider of the information. Specifically, the documents contain major material (i.e. combustion and steam turbines) contract amounts and disclosure would impair FPL to get favorable terms if this information was made public. Release of this information would put FPL at a competitive disadvantage because it would negatively impact our ability to negotiate with vendors in the future, to the detriment of customers. To the best of my knowledge, FPL has maintained the confidentiality of these documents and materials.

3. Consistent with the provisions of the Florida Administrative Code, such materials should remain confidential for a period of not less than 18 months. In addition, they should be returned to FPL as soon as the information is no longer necessary for the Commission to conduct its business so that FPL can continue to maintain the confidentiality of these documents.

4. Under penalties of perjury, I declare that I have read the foregoing declaration and that the facts stated in it are true to the best of my knowledge and belief.

  
\_\_\_\_\_  
MATT BELGER

Date: 6/30/16



EXHIBIT D

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition for rate increase by Florida  
Power & Light Company

Docket No: 160021-EI

STATE OF FLORIDA                    )  
  )  
COUNTY OF PALM BEACH            )

DECLARATION OF SAM FORREST

1. My name is Sam Forrest. I am currently employed by Florida Power & Light Company ("FPL") as Vice President of the Energy Marketing and Trading Business Unit. I have personal knowledge of the matters stated in this written declaration.

2. I have reviewed the documents and information included in Exhibit A to FPL's Request for Confidential Classification. The documents and materials in Exhibit A which are asserted by FPL to be proprietary confidential business information relating to competitive interests contain financial details related to FPL's asset optimization activities for natural gas and electric transmission. The disclosure of this information would impair FPL's ability to execute transactions for natural gas commodity sales, natural gas storage, natural gas transportation, wholesale purchases and sales, and electricity transmission on favorable terms for the benefit of its customers, would impair the competitive interests of FPL and its vendors, and would place FPL at a competitive disadvantage when coupled with other information that is publicly available. The information provided by FPL also contains or constitutes contractual data, the disclosure of which would impair the efforts of FPL to contract for goods or services on favorable terms. To the best of my knowledge, FPL has maintained the confidentiality of this information.

3. Consistent with the provisions of the Florida Administrative Code, such materials should remain confidential for a period of eighteen (18) months. In addition, the materials should be returned to FPL as soon as the information is no longer necessary for the Commission to conduct its business so that FPL can continue to maintain the confidentiality of these documents.

4. Under penalties of perjury, I declare that I have read the foregoing declaration and that the facts stated in it are true to the best of my knowledge and belief.



\_\_\_\_\_  
SAM FORREST

Date: 6/29/16

**EXHIBIT D**

**BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

In re: Petition for rate increase by Florida  
Power & Light Company.

Docket No: 160021-EI

STATE OF FLORIDA            )  
  )  
COUNTY OF PALM BEACH    )

WRITTEN DECLARATION OF  
**DONALD HIRES**

1. My name is Donald Hires. I am currently employed by Florida Power & Light Company ("FPL") as Senior HR Advisor. I have personal knowledge of the matters stated in this written declaration.

2. I have reviewed the document and information included in Exhibit A to FPL's Request for Confidential Classification filed this date, for which I am listed as the declarant on Exhibit C. The document that I have reviewed and which is asserted by FPL to be proprietary confidential business information contain or constitute information relating to compensation. Public disclosure of compensation information for particular positions would enable competing employers to meet or beat the compensation offered by FPL, resulting in the loss of talented employees, or conversely, the need to increase the level of compensation already paid in order to retain these employees and attract new talent. The quality of service and the cost of service implications would be detrimental to FPL and its customers.

3. To the best of my knowledge, FPL has maintained the confidentiality of these documents and materials.

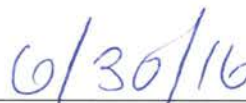
4. Consistent with the provisions of the Florida Administrative Code, such materials should remain confidential for a period of not less than 18 months. In addition, they should be returned to FPL as soon as the information is no longer necessary for the Commission to conduct its business so that FPL can continue to maintain the confidentiality of these documents.

5. Under penalties of perjury, I declare that I have read the foregoing declaration and that the facts stated in it are true to the best of my knowledge and belief.



DONALD HIRES

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



**EXHIBIT D**

**BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

In re: Petition for rate increase by Florida  
Power & Light Company.

Docket No: 160021-EI

STATE OF FLORIDA            )  
  )  
COUNTY OF PALM BEACH    )

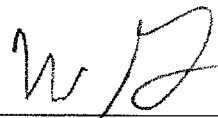
**WRITTEN DECLARATION OF  
MITCHELL P. GOLDSTEIN**

1. My name is Mitchell P. Goldstein. I am currently employed by Florida Power & Light Company ("FPL") as Vice President Finance, Nuclear Fleet, FPL. I have personal knowledge of the matters stated in this written declaration.

2. I have reviewed the documents referenced and incorporated in FPL's Request for Confidential Classification for which I am identified as a declarant. The documents or materials that I have reviewed and which are asserted by FPL to contain information concerning contractual data, the disclosure of which would impair the efforts of the FPL or its affiliates to contract for goods and services on favorable terms. Specifically, the documents contain contractual labor rates and disclosure would impair FPL to get favorable terms if this information was made public. Release of this information would put FPL at a competitive disadvantage because it would negatively impact our ability to negotiate with vendors in the future, to the detriment of customers. To the best of my knowledge, FPL has maintained the confidentiality of these documents and materials.

3. Consistent with the provisions of the Florida Administrative Code, such materials should remain confidential for a period of not less than 18 months. In addition, they should be returned to FPL as soon as the information is no longer necessary for the Commission to conduct its business so that FPL can continue to maintain the confidentiality of these documents.

4. Under penalties of perjury, I declare that I have read the foregoing declaration and that the facts stated in it are true to the best of my knowledge and belief.



\_\_\_\_\_  
MITCHELL P. GOLDSTEIN

Date: June 24, 2016