

REDACTED

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Nuclear Power Plant Cost
Recovery Clause

Docket No. 080009-EI

PROGRESS ENERGY FLORIDA'S SECOND REQUEST FOR
CONFIDENTIAL CLASSIFICATION

EXHIBIT B

CMP _____
COM _____
CTR _____
EOR 1 _____
GSL _____
CPC _____
PCA _____
EOR _____
SCA _____
SEC _____
OTH _____

DOCUMENT NUMBER DATE

04981 JUN 11 08

FPSC-COMMISSION CLERK

SCHEDULE APPENDIX

REDACTED

EXHIBIT (LC-1)

**PROGRESS ENERGY FLORIDA, INC.
Crystal River Unit 3 Uprate
COMMISSION SCHEDULES (P-1 Through P-10)**

**JANUARY 2009 - DECEMBER 2009
Projections
DOCKET NO. 080009-EI**

DOCUMENT NUMBER-DATE

04981 JUN 11 08

FPSC-COMMISSION CLERK

**Crystal River Unit 3 Uprate
Pre-Construction Costs and Carrying Costs on Construction Cost Balance
Projection Filing: Contracts Executed**

REDACTED
[Section (8)(c)]

Schedule P-8

FLORIDA PUBLIC SERVICE COMMISSION
COMPANY: PROGRESS ENERGY - FL
DOCKET NO.: 0080009 - EI

EXPLANATION:

Provide a list of contracts executed in excess of \$1 million including, a description of the work, the dollar value and term of the contract, the method of vendor selection, the identity and affiliation of the vendor, and current status of the contract.

For the Year Ended 12/31/2009

Witness: Daniel Roderick

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	
Line No.	Contract No.	Status of Contract	Original Term of Contract	Current Term of Contract	Original Amount	Actual Expended as of Prior Year End	Estimate of amount to be Expended in Current Year	Estimate of Final Contract Amount	Name of Contractor (and Affiliation if any)	Method of Selection	Work Description
1	44867 A07	Issued							NuFlo Technologies Sales Co.	Fleet Contract in Place - Sole Source	Purchase & Installation of Leading Edge Flow Meter (LEFM) to Recapture Measurement Uncertainty
2	101659 WA 61	Issued							AREVA - NP	Sole Source - Original Equipment Manufacture	Engineering Design & Licensing for Measurement Uncertainty Recapture
3	101659 WA 84	Issued							AREVA - NP	Sole Source - Original Equipment Manufacture	EPU NSSS Engineering, Fuel Eng, and LAR Support for CR3
4	342253	Issued							Thermal Engineering International (TEI)	RFP	Purchase of 4 moisture separator reheaters (MSRs)
5	101659 WA 93	Issued							Areva NP	RFP KS12007	EPU BOP
6	3714, Amdt 53, Amd 57 to add funds	Issued							Atlantic Group	Fleet Contract in Place - Sole Source	LEFM Install
7	145569 WA 50	Issued							Siemens	RFP	CR3 turbine retrofit for EPU including supply of all equipment and installation.
8	355217	Issued							Yuba Heat Transfer Div.	RFP	CR3 Feedwater Heater and SC cooler replacement

DOCUMENT NUMBER - DATE

0498 | JUN 11 80

FPSC - COMMISSION CLERK

Crystal River Unit 3 Uprate
Pre-Construction Costs and Carrying Costs on Construction Cost Balance
Projection Filing: Contracts Executed

[Section (8)(c)]

Schedule P-8A

REDACTED

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION: Provide additional details of contracts executed in excess of \$1 million including, the nature and scope of the work, the nature of any affiliation with selected vendor, the method of vendor selection, brief description of vendor selection process, and current status of the contract.

For the Year Ended 12/31/2009

COMPANY: PROGRESS ENERGY - FL

Witness: Daniel Roderick

DOCKET NO.: 0080009 - EI

Contract No.:

44867 Amendment 07

Major Task or Tasks Associated With:

Purchase & Installation of Leading Edge Flow Meter to Recapture Measurement - Uncertainty - Power Level Update

Vendor Identity:

NuFlo Technologies Sales Co.

Vendor Affiliation (specify 'direct' or 'indirect'):

Direct

Number of Vendors Solicited:

Sole Source

Number of Bids Received:

N/A

Brief Description of Selection Process:

A Fleet Contract had been approved for entire fleet to Purchase the LEFM from Caldon (recognized as industry leader). Further NRC Issue Summary 2007-24 suspended further approvals of the Westinghouse AMAG Crossflow Ultrasonic Flow Meter (UFM) until problems are addressed.

Dollar Value:

Contract Status:

Issued

Term Begin:

Term End:

Nature and Scope of Work:

Progress Energy proposes to perform a thermal power uprate of the Crystal River Unit 3 nuclear plant to achieve an increase in the reactor core thermal power output and subsequent increases in electrical generation output. Current 10 CFR50 regulations allow the plant to recover the difference between 2% and the demonstrated uncertainty of thermal power measurement made possible with the installation of more accurate ultrasonic feedwater flow instrumentation. Caldon shall provide a complete Leading Edge Flow Meter (LEFM) CheckPlus ultrasonic feedwater flow measurement (UFM) system for Crystal River Unit 3. This system shall use ultrasonic "transit time" technology to determine feedwater volumetric flow rate, mass flow rate and fluid temperature. This specification establishes the supply, inspection testing and documentation requirements for the flow measurement system which will be used in conjunction with the Crystal River Unit 3 "Appendix K" thermal power uprate proposals.

Crystal River Unit 3 Uprate
Pre-Construction Costs and Carrying Costs on Construction Cost Balance
Projection Filing: Contracts Executed

[Section (8)(c)]

Schedule P-8A

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FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION: Provide additional details of contracts executed in excess of \$1 million including, the nature and scope of the work, the nature of any affiliation with selected vendor, the method of vendor selection, brief description of vendor selection process, and current status of the contract.

For the Year Ended 12/31/2009

COMPANY: PROGRESS ENERGY - FL

Witness: Daniel Roderick

DOCKET NO.: 0080008 - EI

Contract No.:

101659 WA 61

Major Task or Tasks Associated With:

Engineering Design & Licensing for Measurement Uncertainty Recapture

Vendor Identity:

AREVA NP

Vendor Affiliation (specify 'direct' or 'indirect'):

Direct

Number of Vendors Solicited:

Sole Source

Number of Bids Received:

N/A

Brief Description of Selection Process:

OEM

Dollar Value:

Contract Status:

Issued

Term Begin:

Term End:

Nature and Scope of Work:

Contractor shall provide engineering, design and licensing for the Measurement Uncertainty Recapture (MUR) project. The awarded Work shall be performed at Owner's, Crystal River Nuclear Plant, located near Crystal River, Florida and shall consist of the following unique work scopes/deliverables. 1.0 December Submittals - These will be completed under AREVA's QA Program and are Non-Safety. 1) 12/07/06 Transmit NSSS I&C System Reviews to CR3 2) 12/08/06 Transmit HVAC System Reviews to CR3 3) 12/19/06 Transmit BOP Elect System Reviews to CR3 4) 12/22/06 Transmit NSSS Fluid System Reviews to CR3 5) 12/29/06 Transmit BOP Fluid System Reviews to CR3 2.0 License Amendment Request - Draft Submittal to CR3 for the MUR. The draft license amendment request (LAR) is a AREVA NP 51-document summarizing the license evaluations performed by AREVA NP and CR3 to meet the NRC regulatory Information summary (RIS) 2002-003, Guidance on the Content of Measurement Uncertainty Recapture Power Uprate Applications. The draft license amendment request will be completed under AREVA's QA Program and is Safety-Related.

The deliverables to CR3 that are input to this summary document include: AREVA NP 32-document, New Operating Conditions for the CR3 MUR AREVA's QA Program/Safety-Related AREVA NP 32-document, Heat Balance Uncertainty Calculation for the CR3 MUR AREVA's QA Program/Safety-Related AREVA NP 12-document, Revised PEPSE model for CR3 MUR AREVA's QA Program/Non-Safety AREVA NP 51-document, NSSS Fuel Evaluation AREVA's QA Program/Non-Safety.

Crystal River Unit 3 Uprate
Pre-Construction Costs and Carrying Costs on Construction Cost Balance
Projection Filing: Contracts Executed

[Section (8)(c)]

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Schedule P-8A

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION: Provide additional details of contracts executed in excess of \$1 million including, the nature and scope of the work, the nature of any affiliation with selected vendor, the method of vendor selection, brief description of vendor selection process, and current status of the contract.

For the Year Ended 12/31/2009

COMPANY: PROGRESS ENERGY - FL

Witness: Daniel Roderick

DOCKET NO.: 0080009 - EI

Contract No.:

101658 WA 84

Major Task or Tasks Associated With:

EPU NSSS Engineering, Fuel Eng, and LAR Support for CR3

Vendor Identity:

Areva NP, Inc.

Vendor Affiliation (specify 'Direct' or 'Indirect'):

Direct

Number of Vendors Solicited:

Sole Source

Number of Bids Received:

N/A

Brief Description of Selection Process:

N/A - OEM

Dollar Value:

[REDACTED]

Contract Status:

Issued

Term Begin:

[REDACTED]

Term End:

[REDACTED]

Nature and Scope of Work:

Contractor agrees to perform the following work more fully described in AREVA Proposal No. NSSSE08-1023.0 Revision 000 dated July 18, 2007 to furnish all engineering personnel and tools, engineering supervision and management, deliverable documents and required transportation necessary to perform the following functions in support of the Extended Power Uprate (EPU) Project Nuclear Steam Supply (NSSS) Portion for Crystal River Three (CR-3) Nuclear Power Station: Nuclear Steam Supply System (NSSS) Engineering, Fuel Engineering, Support of the Licensing Amendment Request (LAR).

This work is Nuclear Safety Related.

Crystal River Unit 3 Uprate
Pre-Construction Costs and Carrying Costs on Construction Cost Balance
Projection Filing: Contracts Executed

[Section (8)(c)]

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Schedule P-8A

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION: Provide additional details of contracts executed in excess of \$1 million including, the nature and scope of the work, the nature of any affiliation with selected vendor, the method of vendor selection, brief description of vendor selection process, and current status of the contract.

For the Year Ended 12/31/2009

COMPANY: PROGRESS ENERGY - FL

Witness: Daniel Roderick

DOCKET NO.: 0080009 - EI

Contract No.:

342253

Major Task or Tasks Associated With:

Purchase of 4 MSRs

Vendor Identity:

Thermal Engineering International (TEI)

Vendor Affiliation (specify 'direct' or 'indirect'):

Direct

Number of Vendors Solicited:

2

Number of Bids Received:

2

Brief Description of Selection Process:

Bid was lower than the competing bidder

Dollar Value:

Contract Status:

Issued

Term Begin:

Term End:

Nature and Scope of Work:

Thermal Engineering International (TEI) is to provide four (4) moisture separator reheaters (MSR's) for Crystal River Unit #3 (CR3) that when combined with other power uprate modifications serve to maximize the uprated turbine steam cycle conditions. The replacement MSR's shall be designed and fabricated with full consideration for maintaining the existing plant piping configuration including the turbine cross under and cross over piping. MSR's are to contribute to the rated generator MVA capability that will have a minimum performance capability of 1080 MWe real power output while concurrently providing 430 MVAR reactive power.

Crystal River Unit 3 Uprate
Pre-Construction Costs and Carrying Costs on Construction Cost Balance
Projection Filing: Contracts Executed

[Section (8)(c)]

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Schedule P-8A

FLORIDA PUBLIC SERVICE COMMISSION
COMPANY: PROGRESS ENERGY - FL
DOCKET NO.: 0080009 - EI

EXPLANATION: Provide additional details of contracts executed in excess of \$1 million including, the nature and scope of the work, the nature of any affiliation with selected vendor, the method of vendor selection, brief description of vendor selection process, and current status of the contract.

For the Year Ended 12/31/2009
Witness: Daniel Roderick

Contract No.:

101659-03

Major Task or Tasks Associated With:

EPU, BOP

Vendor Identity:

Areva NP

Vendor Affiliation (specify 'direct' or 'indirect'):

Direct

Number of Vendors Solicited:

5

Number of Bids Received:

3

Brief Description of Selection Process:

Areva has proven performance on MUR and NSSS with a stronger interface with vendors; teamed with original A/E for BOP at CR3; Areva is the best vendor from a technical perspective and on average equal cost with opportunity to earn higher royalties.

Dollar Value:

Contract Status:

Issued

Term Begin:

Term End:

Nature and Scope of Work:

Contractor shall provide Engineering Services for CR3 Secondary Systems Uprate to support the Extended Power Uprate Project. Engineering Services shall be in accordance with Request for Proposal No. KS12007 and "Extended Power Uprate Bid Specification", dated June 25, 2007.

Crystal River Unit 3 Uprate
Pre-Construction Costs and Carrying Costs on Construction Cost Balance
Projection Filing: Contracts Executed

[Section (b)(3)]

REDACTED

Schedule P-8A

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: PROGRESS ENERGY - FL

DOCKET NO.: 0080009 - EI

EXPLANATION: Provide additional details of contracts executed in excess of \$1 million including, the nature and scope of the work, the nature of any affiliation with selected vendor, the method of vendor selection, brief description of vendor selection process, and current status of the contract.

For the Year Ended 12/31/2009

Witness: Daniel Roderick

Contract No.:

Master 3714, Arndt 53, and Amd 57 to add funds

Major Task or Tasks Associated With:

LEFM Install

Vendor Identity:

Atlantic Group

Vendor Affiliation (specify 'direct' or 'indirect'):

Direct

Number of Vendors Solicited:

Sole Source

Number of Bids Received:

N/A

Brief Description of Selection Process:

Work awarded under fleet contract that was competitively bid.

Dollar Value:

[REDACTED]

Contract Status:

Issued

Term Begin:

[REDACTED]

Term End:

[REDACTED]

Nature and Scope of Work:

LEFM Installation at CR3

Crystal River Unit 3 Uprate
Pre-Construction Costs and Carrying Costs on Construction Cost Balance
Projection Filing: Contracts Executed

[Section (8)(c)]

REDACTED

Schedule P-8A

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: PROGRESS ENERGY - FL

DOCKET NO.: 0080009 - EI

EXPLANATION: Provide additional details of contracts executed in excess of \$1 million including, the nature and scope of the work, the nature of any affiliation with selected vendor, the method of vendor selection, brief description of vendor selection process, and current status of the contract.

For the Year Ended 12/31/2009

Witness: Daniel Roderick

Contract No.:

145589 WA 50

Major Task or Tasks Associated With:

CR3 turbine retrofit for EPU including supply of all equipment and installation.

Vendor Identity:

Siemens

Vendor Affiliation (specify 'direct' or 'indirect'):

Direct

Number of Vendors Solicited:

4

Number of Bids Received:

2

Brief Description of Selection Process:

Total cost lower than competing bidder. Siemens adds value by bundling all components and services.

Dollar Value:

Contract Status:

issued

Term Begin:

Term End:

Nature and Scope of Work:

Contractor to provide all materials, equipment, and tools to supply and install High pressure Turbine Rotors, Low Pressure Turbine Rotors, Generator, and Exciter at Crystal River Unit #3 as more fully described in Attachment A - Scope of Work (attached hereto) and as set forth in the Contractor's offer (Proposal Number TA02-280) dated April 16, 2007, the Proposal Revision e-mail TA02-280-1 dated May 18, 2007, Mr Puneet Bahi's Installation Clarification e-mail and its Attachment dated June 4, 2007 and the terms and conditions of the Master Contract # 145589.

This work is non-safety related.

**Crystal River Unit 3 Uprate
Pre-Construction Costs and Carrying Costs on Construction Cost Balance
Projection Filing: Contracts Executed**

[Section (b)(c)]

Schedule P-8A

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EXPLANATION: Provide additional details of contracts executed in excess of \$1 million including, the nature and scope of the work, the nature of any affiliation with selected vendor, the method of vendor selection, brief description of vendor selection process, and current status of the contract.

For the Year Ended 12/31/2009

COMPANY: PROGRESS ENERGY - FL

Witness: Daniel Roderick

DOCKET NO.: 0080009 - EI

Contract No.:

355217

Major Task or Tasks Associated With:

Purchase of Feedwater Heater and SC Cooler Replacement at CR3.

Vendor Identity:

Yuba Heat Transfer Div.

Vendor Affiliation (specify 'direct' or 'indirect'):

Direct

Number of Vendors Solicited:

2

Number of Bids Received:

2

Brief Description of Selection Process:

Bid was lower than the competing bidder and Yuba is technically and commercially the best supplier of the equipment.

Dollar Value:

[REDACTED]

Contract Status:

Issued

Term Begin:

[REDACTED]

Term End:

[REDACTED]

Nature and Scope of Work:

Supplier of Feedwater Heater and SC Cooler Replacement at CR3.

**SCHEDULE APPENDIX
REDACTED**

EXHIBIT (LC-2)

**PROGRESS ENERGY FLORIDA, INC.
Crystal River Unit 3 Uprate
COMMISSION SCHEDULES (AE-1 Through AE-10)**

JANUARY 2008 - DECEMBER 2008

**Actual/Estimated
DOCKET NO. 080009-EI**

Crystal River Unit 3 Uprate
Pre-Construction Costs and Carrying Costs on Construction Cost Balance
Actual & Estimated Filing: Contracts Executed

[Section (8)(c)]
REDACTED

Schedule AE-8

FLORIDA PUBLIC SERVICE COMMISSION EXPLANATION:

COMPANY: PROGRESS ENERGY - FL

DOCKET NO.: 080009 - EI

Provide a list of contracts executed in excess of \$1 million including, a description of the work, the dollar value and term of the contract, the method of vendor selection, the identity and affiliation of the vendor, and current status of the contract.

For the Year Ended 12/31/2008

Witness: Daniel L. Roderick

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	
Line No.	Contract No.	Status of Contract	Original Term of Contract	Current Term of Contract	Original Amount	Actual Expended as of Prior Year End (2006/2007)	Estimate of amount to be Expended in Current Year (2008)	Estimate of Final Contract Amount	Name of Contractor (and Affiliation if any)	Method of Selection	Work Description
1	44867 A07	Issued							NuFlo Technologies Sales Co.	Fleet Contract in Place - Sole Source	Purchase & Installation of Leading Edge Flow Meter (LEFM) to Recapture Measurement Uncertainty
2	101659 WA 61	Issued							AREVA - NP	Sole Source - Original Equipment Manufacture	Engineering Design & Licensing for Measurement Uncertainty Recapture
3	101659 WA 84	Issued							AREVA - NP	Sole Source - Original Equipment Manufacture	EPU NSSS Engineering, Fuel Eng, and LAR Support
4	342253	Issued							Thermal Engineering	RFP	Purchase of 4 moisture separator reheaters (MSRs)
5	101659 WA 93	Issued							Areva NP	RFP KS12007	EPU BOP
6	3714, Amdt 53, Amd 57 to add funds	Issued							Atlantic Group	Fleet Contract in Place - Sole Source	LEFM Install
7	145569 WA 50	Issued							Siemens	RFP	CR3 turbine retrofit for EPU including supply of all equipment and installation.
8	355217	Issued							Yuba Heat Transfer Div.	RFP	CR3 Feedwater Heater and SC cooler replacement

Crystal River Unit 3 Uprate
Pre-Construction Costs and Carrying Costs on Construction Cost Balance
Actual & Estimated Filing: Contracts Executed

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Schedule AE-8A

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For the Year Ended 12/31/2008

COMPANY: PROGRESS ENERGY - FL

Witness: Daniel L. Roderick

DOCKET NO.: 080009 - EI

Contract No.:

44867 Amendment 07

Major Task or Tasks Associated With:

Purchase & installation of Leading Edge Flow Meter to Recapture Measurement - Uncertainty - Power Level Update

Vendor Identity:

NuFlo Technologies Sales Co.

Vendor Affiliation (specify 'direct' or 'indirect'):

Direct

Number of Vendors Solicited:

Sole Source

Number of Bids Received:

N/A

Brief Description of Selection Process:

A Fleet Contract had been approved for entire fleet to Purchase the LEFM from Celdon (recognized as industry leader). Further NRC Issue Summary 2007-24 suspended further approvals of the Westinghouse AMAG Crossflow Ultrasonic Flow Meter (UFM) until problems are addressed.

Dollar Value:

Contract Status:

Issued

Term Begin:

Term End:

Nature and Scope of Work:

Progress Energy proposes to perform a thermal power uprate of the Crystal River Unit 3 nuclear plant to achieve an increase in the reactor core thermal power output and subsequent increases in electrical generation output. Current 10 CFR50 regulations allow the plant to recover the difference between 2% and the demonstrated uncertainty of thermal power measurement made possible with the installation of more accurate ultrasonic feedwater flow instrumentation. Celdon shall provide a complete Leading Edge Flow Meter (LEFM) CheckPlus ultrasonic feedwater flow measurement (UFM) system for Crystal River Unit 3. This system shall use ultrasonic "transit time" technology to determine feedwater volumetric flow rate, mass flow rate and fluid temperature. This specification establishes the supply, inspection testing and documentation requirements for the flow measurement system which will be used in conjunction with the Crystal River Unit 3 "Appendix K" thermal power uprate proposals.

Crystal River Unit 3 Uprate
Pre-Construction Costs and Carrying Costs on Construction Cost Balance
Actual & Estimated Filing: Contracts Executed

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FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION: Provide additional details of contracts executed in excess of \$1 million including, the nature and scope of the work, the nature of any affiliation with selected vendor, the method of vendor selection, brief description of vendor selection process, and current status of the contract.

For the Year Ended 12/31/2008

COMPANY: PROGRESS ENERGY - FL

Witness: Daniel L. Roderick

DOCKET NO.: 080009 - E1

Contract No.:

101659 WA 61

Major Task or Tasks Associated With:

Engineering Design & Licensing for Measurement Uncertainty Recapture

Vendor Identity:

AREVA NP

Vendor Affiliation (specify 'direct' or 'indirect'):

Direct

Number of Vendors Solicited:

Sole Source

Number of Bids Received:

N/A

Brief Description of Selection Process:

OEM

Dollar Value:

Contract Status:

Issued

Term Begin:

Term End:

Nature and Scope of Work:

Contractor shall provide engineering, design and licensing for the Measurement Uncertainty Recapture (MUR) project. The awarded Work shall be performed at Owner's, Crystal River Nuclear Plant, located near Crystal River, Florida and shall consist of the following unique work scopes/deliverables. 1.0 December Submittals – These will be completed under AREVA's QA Program and are Non-Safety. 1) 12/07/06 Transmit NSSS I&C System Reviews to CR3 2) 12/08/06 Transmit HVAC System Reviews to CR3 3) 12/19/06 Transmit BOP Elect System Reviews to CR3 4) 12/22/06 Transmit NSSS Fluid System Reviews to CR3 5) 12/29/06 Transmit BOP Fluid System Reviews to CR3 2.0 License Amendment Request - Draft Submittal to CR3 for the MUR. The draft license amendment request (LAR) is a AREVA NP 51-document summarizing the license evaluations performed by AREVA NP and CR3 to meet the NRC regulatory information summary (RIS) 2002-003, Guidance on the Content of Measurement Uncertainty Recapture Power Uprate Applications. The draft license amendment request will be completed under AREVA's QA Program and is Safety-Related.

The deliverables to CR3 that are input to this summary document include: AREVA NP 32-document, New Operating Conditions for the CR3 MUR AREVA's QA Program/Safety-Related AREVA NP 32-document, Heat Balance Uncertainty Calculation for the CR3 MUR AREVA's QA Program/Safety-Related AREVA NP 12-document, Revised PEPE model for CR3 MUR AREVA's QA Program/Non-Safety AREVA NP 51-document, NSSS Fuel Evaluation AREVA's QA Program/Non-Safety.

Crystal River Unit 3 Uprate
Pre-Construction Costs and Carrying Costs on Construction Cost Balance
Actual & Estimated Filing: Contracts Executed

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Schedule AE-8A

FLORIDA PUBLIC SERVICE COMMISSION

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For the Year Ended 12/31/2008

COMPANY: PROGRESS ENERGY - FL

Witness: Daniel L. Roderick

DOCKET NO.: 080009 - EI

Contract No.:

101659 WA 84

Major Task or Tasks Associated With:

EPU NSSS Engineering, Fuel Eng, and LAR Support for CR3

Vendor Identity:

Areva NP, Inc.

Vendor Affiliation (specify 'direct' or 'indirect'):

Direct

Number of Vendors Solicited:

Sole Source

Number of Bids Received:

N/A

Brief Description of Selection Process:

N/A - OEM

Dollar Value:

Contract Status:

Issued

Term Begin:

Term End:

Nature and Scope of Work:

Contractor agrees to perform the following work more fully described in AREVA Proposal No. NSSSE06-1023.0 Revision 000 dated July 18, 2007 to furnish all engineering personnel and tools, engineering supervision and management, deliverable documents and required transportation necessary to perform the following functions in support of the Extended Power Uprate (EPU) Project Nuclear Steam Supply (NSSS) Portion for Crystal River Three (CR-3) Nuclear Power Station: Nuclear Steam Supply System (NSSS) Engineering, Fuel Engineering, Support of the Licensing Amendment Request (LAR).

This work is Nuclear Safety Related.

Crystal River Unit 3 Uprate
Pre-Construction Costs and Carrying Costs on Construction Cost Balance
Actual & Estimated Filing: Contracts Executed

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FLORIDA PUBLIC SERVICE COMMISSION

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For the Year Ended 12/31/2008

COMPANY: PROGRESS ENERGY - FL

Witness: Daniel L. Roderick

DOCKET NO.: 080009 - EI

Contract No.:

342253

Major Task or Tasks Associated With:

Purchase of 4 MSR's

Vendor Identity:

Thermal Engineering International (TEI)

Vendor Affiliation (specify 'direct' or 'indirect'):

Direct

Number of Vendors Solicited:

2

Number of Bids Received:

2

Brief Description of Selection Process:

Bid was lower than the competing bidder

Dollar Value:

Contract Status:

Issued

Term Begin:

Term End:

Nature and Scope of Work:

Thermal Engineering International (TEI) is to provide four (4) moisture separator reheaters (MSR's) for Crystal River Unit #3 (CR3) that when combined with other power uprate modifications serve to maximize the uprated turbine steam cycle conditions. The replacement MSR's shall be designed and fabricated with full consideration for maintaining the existing plant piping configuration including the turbine cross under and cross over piping. MSR's are to contribute to the rated generator MVA capability that will have a minimum performance capability of 1080 MWe real power output while concurrently providing 430 MVAR reactive power.

Crystal River Unit 3 Uprate
Pre-Construction Costs and Carrying Costs on Construction Cost Balance
Actual & Estimated Filing: Contracts Executed

[Section (b)(c)]

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Schedule AE-8A

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION: Provide additional details of contracts executed in excess of \$1 million including, the nature and scope of the work, the nature of any affiliation with selected vendor, the method of vendor selection, brief description of vendor selection process, and current status of the contract.

For the Year Ended 12/31/2008

COMPANY: PROGRESS ENERGY - FL

Witness: Daniel L. Roderick

DOCKET NO.: 080009 - E1

Contract No.:

101859-93

Major Task or Tasks Associated With:

EPU, BOP

Vendor Identity:

Areva NP

Vendor Affiliation (specify 'direct' or 'indirect'):

Direct

Number of Vendors Solicited:

5

Number of Bids Received:

3

Brief Description of Selection Process:

Areva has proven performance on MUR and NSSS with a stronger interface with vendors; teamed with original A/E for BOP at CR3; Areva is the best vendor from a technical perspective and on average equal cost with opportunity to earn higher royalties.

Dollar Value:

Contract Status:

Issued

Term Begin:

Term End:

Nature and Scope of Work:

Contractor shall provide Engineering Services for CR3 Secondary Systems Uprate to support the Extended Power Uprate Project. Engineering Services shall be in accordance with Request for Proposal No. KS12007 and "Extended Power Uprate Bid Specification", dated June 25, 2007.

Crystal River Unit 3 Uprate
Pre-Construction Costs and Carrying Costs on Construction Cost Balance
Actual & Estimated Filing: Contracts Executed

[Section (8)(c)]

REDACTED

Schedule AE-8A

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION: Provide additional details of contracts executed in excess of \$1 million including, the nature and scope of the work, the nature of any affiliation with selected vendor, the method of vendor selection, brief description of vendor selection process, and current status of the contract.

For the Year Ended 12/31/2008

COMPANY: PROGRESS ENERGY - FL

DOCKET NO.: 080009 - EI

Witness: Daniel L. Roderick

Contract No.:

Master 3714, Amdt 53, and Amd 57 to add funds

Major Task or Tasks Associated With:

LEFM Install

Vendor Identity:

Atlantic Group

Vendor Affiliation (specify 'direct' or 'indirect'):

Direct

Number of Vendors Solicited:

Sole Source

Number of Bids Received:

N/A

Brief Description of Selection Process:

Work awarded under fleet contract that was competitively bid.

Dollar Value:

[REDACTED]

Contract Status:

Issued

Term Begin:

[REDACTED]

Term End:

[REDACTED]

Nature and Scope of Work:

LEFM Installation at CR3

Crystal River Unit 3 Uprate
Pre-Construction Costs and Carrying Costs on Construction Cost Balance
Actual & Estimated Filing: Contracts Executed

[Section (B)(c)]

REDACTED

Schedule AE-8A

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION: Provide additional details of contracts executed in excess of \$1 million including, the nature and scope of the work, the nature of any affiliation with selected vendor, the method of vendor selection, brief description of vendor selection process, and current status of the contract.

For the Year Ended 12/31/2008

COMPANY: PROGRESS ENERGY - FL

Witness: Daniel L. Roderick

DOCKET NO.: 080009 - E1

Contract No.:

145569 WA 50

Major Task or Tasks Associated With:

CR3 turbine retrofit for EPU including supply of all equipment and installation

Vendor Identity:

Siemens

Vendor Affiliation (specify 'direct' or 'indirect'):

Direct

Number of Vendors Solicited:

4

Number of Bids Received:

2

Brief Description of Selection Process:

Total cost lower than competing bidder. Siemens adds value by bundling all components and services.

Dollar Value:

[REDACTED]

Contract Status:

Issued

Term Begin:

[REDACTED]

Term End:

[REDACTED]

Nature and Scope of Work:

Contractor to provide all materials, equipment, and tools to supply and install High pressure Turbine Rotors, Low Pressure Turbine Rotors, Generator, and Exciter at Crystal River Unit #3 as more fully described in Attachment A - Scope of Work (attached herelo) and as set forth in the Contractor's offer (Proposal Number TA02-280) dated April 16, 2007, the Proposal Revision e-mail TA02-280-1 dated May 18, 2007, Mr Puneet Bahl's Installation Clarification e-mail and its Attachment dated June 4, 2007 and the terms and conditions of the Master Contract # 145569.

This work is non-safety related.

Crystal River Unit 3 Uprate
Pre-Construction Costs and Carrying Costs on Construction Cost Balance
Actual & Estimated Filing: Contracts Executed

[Section (8)(c)]

REDACTED

Schedule AE-8A

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION: Provide additional details of contracts executed in excess of \$1 million including, the nature and scope of the work, the nature of any affiliation with selected vendor, the method of vendor selection, brief description of vendor selection process, and current status of the contract.

For the Year Ended 12/31/2008

COMPANY: PROGRESS ENERGY - FL

Witness: Daniel L. Roderick

DOCKET NO.: 080009 - EI

Contract No.:

355217

Major Task or Tasks Associated With:

Purchase of Feedwater Heater and SC Cooler Replacement at CR3.

Vendor Identity:

Yuba Heat Transfer Div.

Vendor Affiliation (specify 'direct' or 'indirect'):

Direct

Number of Vendors Solicited:

2

Number of Bids Received:

2

Brief Description of Selection Process:

Bid was lower than the competing bidder and Yuba is technically and commercially the best supplier of the equipment.

Dollar Value:

Contract Status:

Issued

Term Begin:

Term End:

Nature and Scope of Work:

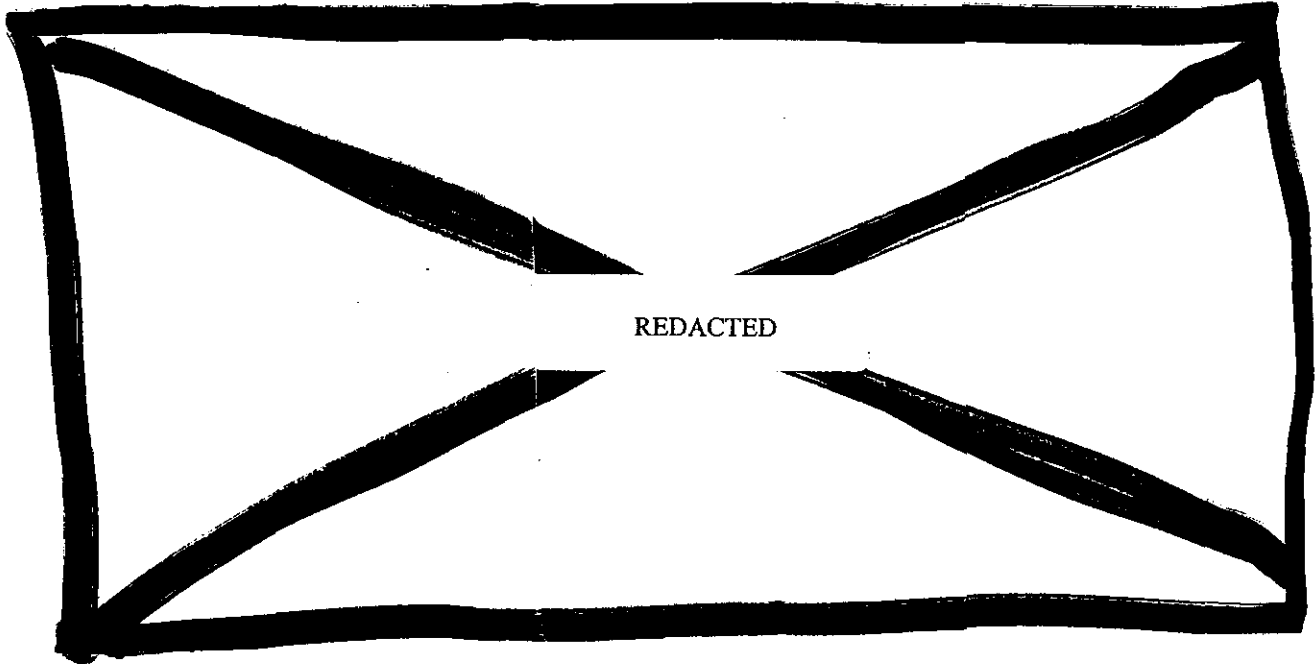
Supplier of Feedwater Heater and SC Cooler Replacement at CR3.

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Nuclear Power Plant Cost
Recovery Clause

Docket No. 080009

EXHIBIT DLR-1
BATES NOS. PEF-NCR-04484
THROUGH PEF-NCR-004495
ARE REDACTED IN THEIR
ENTIRELY

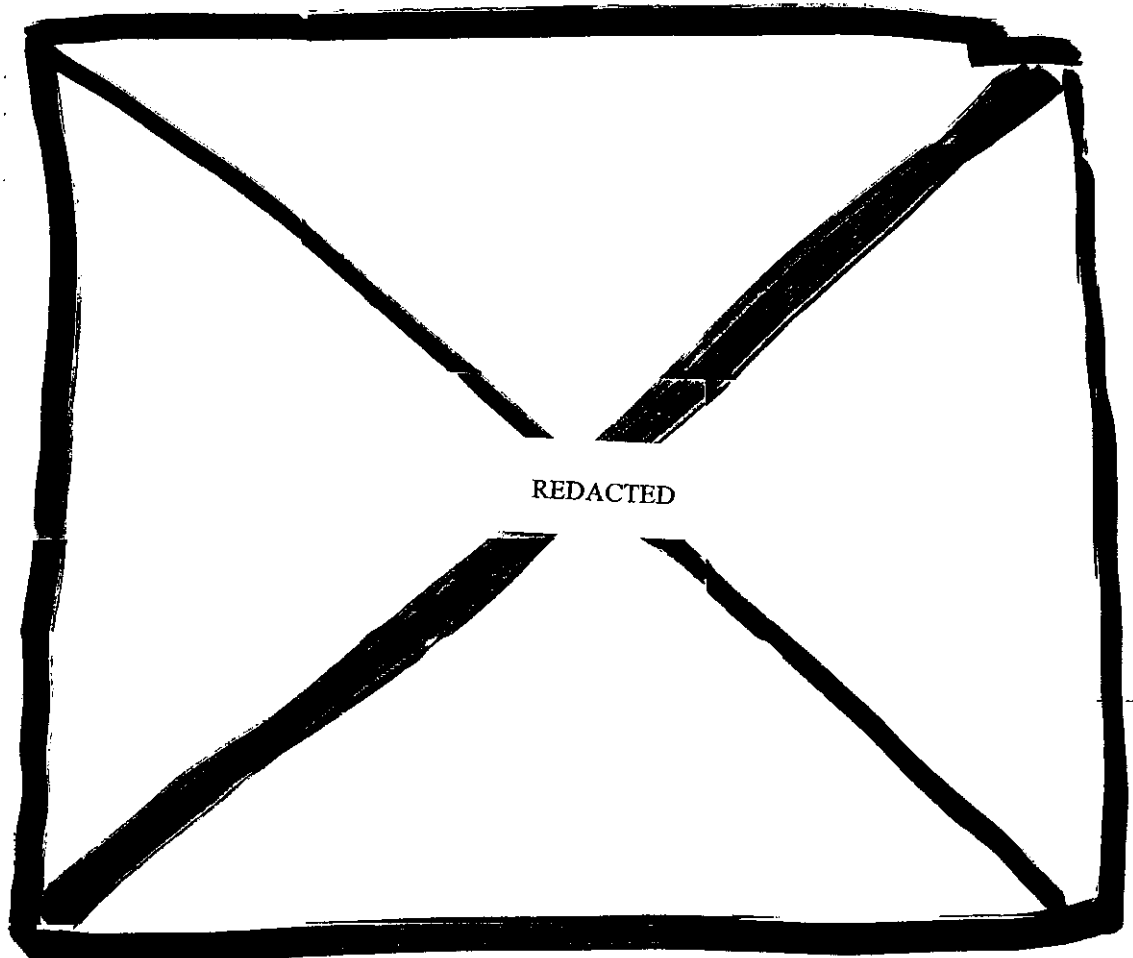


Due to the numerous contracts required to support this strategy, contract specialists are integral to the project team. They report to the Manager, Support Services of NPC.

Contract/PO Purpose	Subcontractor Selected	Status
NSSS/BOP Engineering Services	AREVA	Issued
Turbine Generator Fabrication and Installation	Siemens	Issued
Moisture Separator Reheaters, MSRs	Thermal Engineering International	Issued
Condensate and Secondary Cooling Heat Exchangers	YUBA	Issued
16 R SC Pump and Motor	Flow Serve	PO Pending
16R/17R Rigging	TBD	In Bid Process

Extended Power Uprate
MASTER NUMBER: 20058849

16R/17R Disposal and Storage	TBD	In Bid Process
16/17R Installation	Atlantic Group Fleet Support	Establishing target
17 R Pumps and Motors	TBD	Not Started
Leading Edge Flow Meter	Cameron	In Close Out

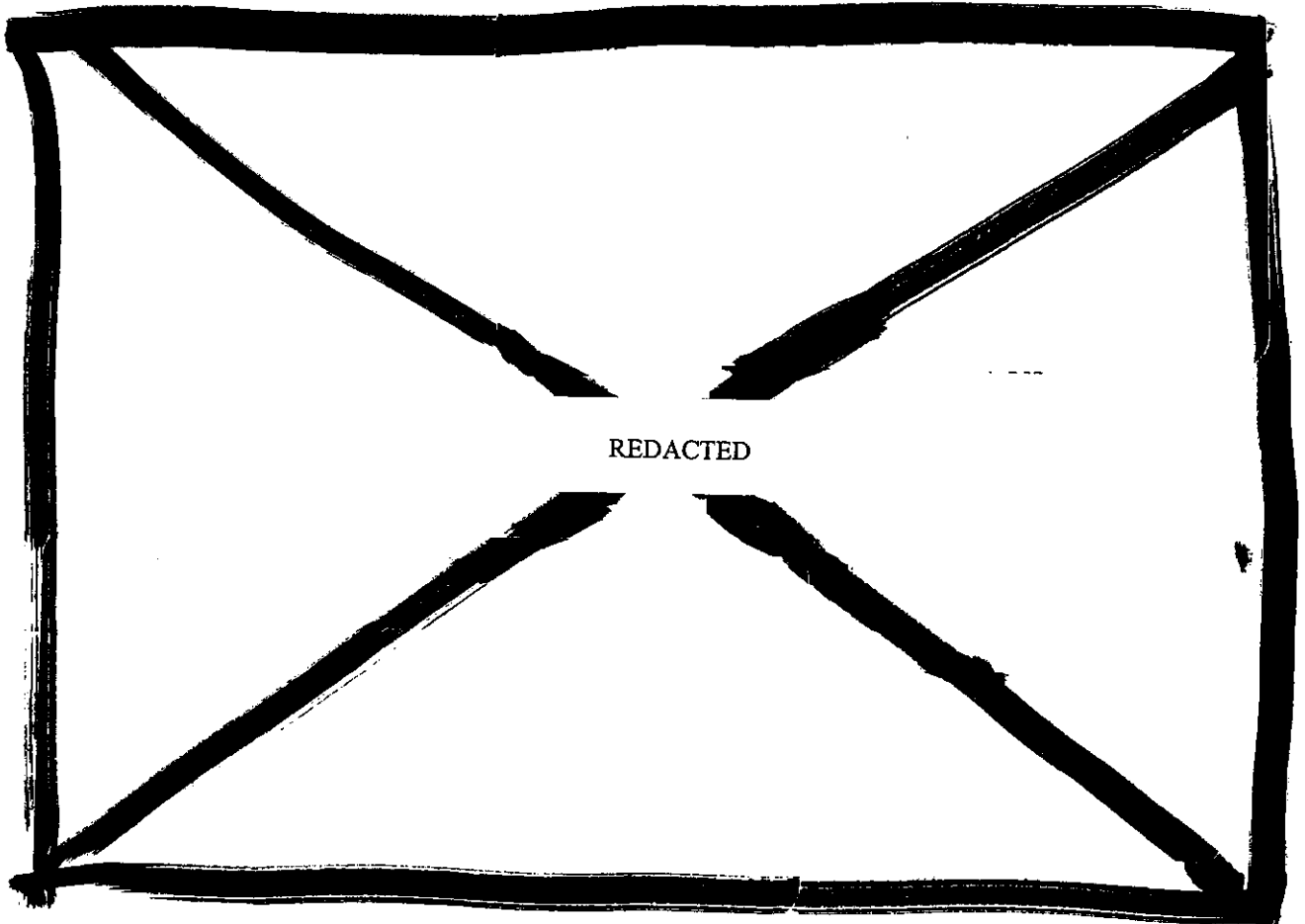


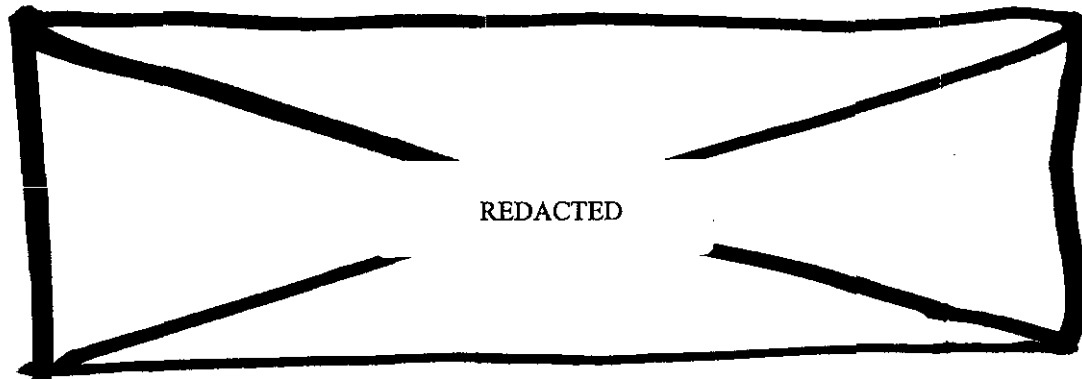
6.3 Regulatory Strategy:

There are two primary regulatory 'permits' required. The Site Certification, including additional mitigation strategies for flow and temperature were already addressed in the risk items. As noted, the key strategy is to begin negotiation with the appropriate regulatory agencies as soon as PE management approves a range of options considered appropriate. This will begin late second quarter of 2008.

The primary approval for the Extended Power Uprate change in Rated Thermal Power by the NRC will be an extensive license amendment request scheduled to be filed in mid 2009. As other separable items or issues are identified they will be pursued earlier and separately to allow the EPU to be as straight-forward as possible. The initial effort will be to meet with the appropriate NRC staff to determine if formal review and approval is necessary.

The inputs to the EPU LAR as well as any other regulatory approvals are addressed in the overall project schedule and controlled like any other project task.





7.0 External Stakeholders:

- Nuclear Regulatory Commission-License Amendments
- Florida Department of Environmental Protection – Site Certification and Permits
- Florida Public Service Commission-Recovery Through Special Clauses or Base Rates
- PEF Customers
- CR3 Co-owners
- Local Leaders
- AREVA Engineering Services - NSSS/BOP/Fuels America
- Worley Parsons-Subcontracted to AREVA
- Heat Exchange Services-Subcontracted to AREVA
- Dresser Industries subcontracted to AREVA
- Siemens-Turbine Generator
- Thermal Engineering International - MSRs
- YUBA Heat Exchanger- CDHE/SCHE
- Flow Serve - Pumps and Motors
- B&W Canada-ROTSG Reconciliation
- TBD- Heavy Hauling
- Atlantic Construction – Field Implementation
- TBD - Disposal of Old Components
- Sargent & Lundy – Cooling Tower Study Phase

8.0 Internal Stakeholders:

- Progress Energy Florida
 - Jeff Lyash, President
- Progress Energy NGG
 - Jim Scarola, Chief Nuclear Officer
- Nuclear Projects and Construction
 - Sr. Management
 - Vice President, Danny Roderick - Project Sponsor
 - Manager, Project Support Dave Varner
 - Manager, Project Controls Terry Hobbs

- *Manager, Extended Power Uprate Steve Huntington*
- *Manager SGR Replacement, Jim Terry*
- *Project Controls*
 - *Supervisor Gene Flavors*
- *Project Support*
 - *Supervisor Tina Harvey*
- *Crystal River 3*
 - *Sr. Management*
 - *VP Dale Young*
 - *DSO Jon Franke*
 - *PGM Mike Annacone*
 - *Line Management*
 - *Operations Manager Jim Holt*
 - *Maintenance Manager Bill Brewer*
 - *Engineering Manager Steve Cahill*
 - *Outage and Scheduling Manager Ivan Wilson*
 - *Engineering*
 - *Design Engineering Harry Oates*
 - *Systems Engineering Barry Foster*
 - *Technical Services Blair Wunderly*
 - *Fossil Operations*
 - *Bernie Cumbie*
 - *Mike Olive*

Internal Stake holders and resources will be required to support the project with design meeting reviews, Engineering Change milestone sign offs in Passport, and owner acceptance of completed modifications and configuration deliverables. Coordination between the Steam Generator Replacement Project and the Extended Power Uprate is vital to ensure the new replacement generators will be qualified to operate safely at the new uprate power level. Project Control and Project Support interface is essential to properly monitor schedule adherence with schedule development, key performance indicators, and financial reporting.



REDACTED

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Nuclear Power Plant Cost
Recovery Clause

Docket No. 080009

**EXHIBIT DLR-1
BATES NOS. PEF-NCR-04501
IS REDACTED IN ITS
ENTIRELY**

REDACTED

APPENDIX

Definitions & Acronyms:

AIMS: Action Item Management System – A database developed to track internal action items of SGR project team members,

CAF: Containment Access Facility – The structure or area specifically designed to regulate the ingress and egress of radiation workers required to enter the containment building (also known as the reactor building) to accomplish work.

DTP: Detailed Task Plans – Specific plans (modeled after project plans) taken to the task level to provide details on specific tasks required to support the overall project to replace the steam generators.

EC: Engineering Change – A formal document developed by design engineering personnel that provides the technical and administrative controls to ensure modifications made the nuclear facility are compliant with all applicable Progress Energy requirements and the Code of Federal Regulations for nuclear facilities.

EPU: Extended Power Uprate – An increase in developed reactor power and electrical output derived from a combination of steam efficiencies, margin harvest, and reactor power increase.

ERP: Environmental Resource Permit – A permitting process required by state regulations to ensure activities are controlled within environmental standards.

INPO: Institute of Nuclear Power Operations – The organization specifically formed to provide oversight and support to commercial nuclear power stations.

ITS: Improved Technical Specifications – The licensing document that outlines the equipment required to remain operable for operation of the reactor in all modes of operation.

KPI: Key Performance Indicators – visual indicators that are used to provide insights that specific parameters key to the project success are measured and used by management to take corrective actions when these parameters are not s expected.

NBC: Net Benefit-to-Cost Ratio

NRC: Nuclear Regulatory Commission – The regulatory body that oversees safe operation of commercial nuclear facilities.

NSOC: Nuclear Security Operations Center – The structure that serves as the entry point and exit point for entry into the CR3 protected area.

OTSG/OTSG's: once through steam generators- heat exchangers designed to transfer heat from the reactor coolant system into steam used to drive the steam turbine in the generation of electricity.

QA: Quality Assurance – A specific function internal to the project, designed to ensure activities performed on the nuclear facility or components fabricated in support of operation of the nuclear facility meet the established requirements for quality.

RB: reactor building – one of three designed fission product barriers designed to protect the health and safety of the public from the release of reactor coolant system inventory during a postulated emergency.

SGR: Steam Generator Replacement – The acronym used to describe the project.

WBS: Work Breakdown Structure – The fundamental building block that defines the scope of the steam generator replacement project