

FLORIDA PUBLIC SERVICE COMMISSION
AUDIT DOCUMENT/RECORD REQUEST
NOTICE OF INTENT

REDACTED
undktd

TO: Maritza Iacono

UTILITY: Progress Energy Florida

Carl Vinson
AUDIT MANAGER

FROM: Carl Vinson

REQUEST NUMBER: DR-7

DATE OF REQUEST: 6/13/08 - Due 6/20/08

AUDIT PURPOSE: Nuclear Controls Review

REQUEST THE FOLLOWING ITEM(S) BE PROVIDED BY: Maritza Iacono

REFERENCE RULE 25-22.006, F.A.C., THIS REQUEST IS MADE: INCIDENT TO AN INQUIRY

X OUTSIDE OF AN INQUIRY

ITEM DESCRIPTION:

1) Please list and provide copies of all audit reports and self-evaluations of the Levy project completed by PEF or Progress Energy Corporation from 2006 through 2008 to date. Please include copies of all auditee responses to the reports and findings.

2) Please list and provide copies of all audit reports of the Levy project completed by the NRC from 2006 through 2008 to date. Please include copies of all auditee responses to the reports and findings.

3) Please list and provide copies of all audit reports and self-evaluations of the CR3 Uprate project completed by PEF or Progress Energy Corporation from 2006 through 2008 to date. Please include copies of all auditee responses to the reports and findings.

4) Please list and provide copies of all audit reports of the CR3 Uprate project completed by the NRC from 2006 through 2008 to date. Please include copies of all auditee responses to the reports and findings.

5) Please provide copies of the following reports for the period June 2007 to date: Monthly CR3 Uprate Cost Report, CR3 Project Status Report, Levy Project Status Report, and Monthly Financial Committee Business Reviews.

6) Please provide the current Project Assurance Plans for Levy and CR3 uprate.

COM
ECR
GCL
OPC
RCP
SSC
SGA
ADM
CLK

TO: AUDIT MANAGER Carl Vinson

DATE: 6/23/08

THE REQUESTED RECORD OR DOCUMENTATION:

- (1) HAS BEEN PROVIDED TODAY
- (2) CANNOT BE PROVIDED BY THE REQUESTED DATE BUT WILL BE MADE AVAILABLE BY _____
- (3) AND IN MY OPINION, ITEMS(S) 5 IS (ARE) PROPRIETARY AND CONFIDENTIAL BUSINESS INFORMATION AS DEFINED IN 364.183, 366.093, OR 367.156 F.S. TO MAINTAIN CONTINUED CONFIDENTIAL HANDLING OF THIS MATERIAL, THE UTILITY OR OTHER PERSON MUST, WITHIN 21 DAYS AFTER THE AUDIT EXIT CONFERENCE, FILE A REQUEST FOR CONFIDENTIAL CLASSIFICATION WITH THE DIVISION OF COMMISSION CLERK AND ADMINISTRATIVE SERVICES. REFER TO RULE 25-22.006, F.A.C.
- (4) THE ITEM WILL NOT BE PROVIDED. (SEE ATTACHED MEMORANDUM)

SIGNATURE AND TITLE OF RESPONDENT Maritza Iacono
Spvs-Regulatory Planning

6630 JUL 23 08
FPSC-COMMISSION CLERK



Date: June 19, 2008
 To: Danny Roderick, VP - NP&C
 From: Steve Huntington, Manager, Major Projects - EPU
 Subject: Extended Power Uprate Monthly Status Report

Attached is the April 2008 Extended Power Uprate Monthly Status Report:

Major Issues & Concerns

- The cost accounting capability to accurately report budgeted project parameters and accurately capture and report expenditures to support project earned value analysis does not currently meet the needs of the project or management expectations. A commitment to upgrade our Project Controls process and capabilities to support Earned value Analysis (EVA) reporting by July 7, 2008 has been made, but the detailed steps to accomplish that upgrade need to be defined. An NTM to document that plan and present it to J. Scarola is on file following the April 8 Project management meeting held jointly with G&TC.
- The Level III / bottoms up estimate exercise for EPU is underway. The four main objectives of the exercise are to validate the total project cost basis versus IPP values (validate the project contingency account value); to provide more accurate and validated input to the three year PEF capital budget, to drive a greater level of detail into the Work Breakdown Structure (WBS) and associated schedules, and to create the sub project level (major tasks) structure to allow EVA analysis and reporting at the sub project level.

Safety & Human Performance

Safety:	
Reported Incidents	
OSHA Reportables	0
First Aid	0
Near Misses	0

Human Performance:		
Number of Events		
MTD	YTD	PTD
0	0	0
Days Since Last Event		42

- There were no safety performance incidents in April. There were no human performance clock resets in April

Scheduling

Schedule Performance:	
SPI	1.00
% Complete	100%

EC Status:	
Planned	20
Completed	20
Open	18

- The schedule per cent complete versus planned performance for the EPU project to date is 100%. All planned activities have been completed. The leadership team is upgrading our standards and metrics to

measure activities completed per the date exact scheduled both internally and for all vendor supplied deliverables. Going forward, the project controls group will provide the schedule performance index (SPI) for the EPU project overall, and we will also track and trend weekly performance to schedule at the new level.

Finance

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Total Project Costs (\$M's):					
	Budget	Projection	Actual	Budget VAR	ProjectionVAR
MTD					
YTD	REDACTED				
PTD				N/A	N/A

- The project is under budget year to date due mainly to variances in timing on major vendor payments. The forecast predicts that those payments will catch up with the budget by year's end. Additionally, the project burden and indirect labor charges are under running budget by approximately per month year to date. A study to identify the causes of that under run has commenced and will complete in May.

Contracts

- Major contracts awarded to date include AREVA NSSS and BOP engineering support; Siemens for TG design, manufacture and installation; YUBA for SC and FW heat exchanger design, manufacture, and deliver; TEI to design, manufacture and deliver 4 ea MSR heat exchangers; Atlantic Group for installation labor support; and S&L for engineering study and conceptual design support for the Point of Discharge sub project. Contracts to award in May / June include the heavy rigging support contract, the component disposal contract, the iso-phase bus duct design / fab contract, and the MSR belly drain design / fab contract.
- BWC issues with the analysis and warranty of the ROTSGs at EPU levels has escalated to the senior executive level.
- Please refer to attachment 1 for a complete summary and performance analysis of all issued EPU contracts.

Staffing

Staffing Levels:			
	Actual	YE Projection	Vacancies
Perm. Full Staffing - PEF	29	34	5
Temp Full & Part Time - PEF	0	0	0
Regular Part Time - PEF	0	0	0
Project Contractors	17	19	2
Outage Contractors	0	0	0

- Remaining permanent staff open positions include three electrical engineers, 1 component engineer, and 1 Sr. Project Manager.
- Significant progress made in March and April to fill positions with qualified candidates.

Risks & Opportunities

Red Risks:

- The risk register for the EPU project requires significant improvement. The current number of identified risks (approximately 35) does not reflect the volume of technical, commercial, process, and staffing risks inherent in the project. Accordingly, the risk identification and management process is being upgraded. Initially, the weekly Risk Management meeting agenda is being significantly revised to address the total risk management process and population for the total EPU project. Second, to increase the number of identified risks, individual Risk Workshops will be conducted for each major subproject task to subject each task to appropriate scrutiny. Following the risk workshops, each identified risk will be graded (probability and impact per the established PE process) and then assigned to a task manager for development of mitigation strategies. The mitigation options will be evaluated, and a path forward decided with an ICF added to enter the actions into the formal schedule. Due dates for each risk item's mitigation will be established, tracked, and trended.

Yellow Risks:

- To be reported next report.

Quality

Nuclear Condition Reports:		
	Generated	Late
PRI 1	2	
Total	12	

- The Priority 1 NCR addressing concerns in 15R Vendor Oversight will be presented to the CARB in May and to the NSRC in June. Three major corrective actions have been identified. First, to ensure that personnel assigned to perform DR and Field Rep functions are qualified for the process per PE procedures and also technically competent to oversee assigned work. A documented skills and experience evaluation will be performed prior to assignment. Improvements in Contractor delivered performance will also be driven by significantly increased training, use of, and trended measurement of human performance tools by contracted supervision and management. The third major corrective action requires the upgrade of PE procedures and contract management practices directing required contract kick off and regular management performance reviews to eliminate communication driven mismatches in performance expectations.
- The MUR related Priority 1 NCR has been submitted for CARB review.

Administrative

- New PEF employees joining the NPC / EPU team, since March include David Wise, Jeff LaPratt, Vic Long, David Gower, Brian Peeler, and Rene Taylor. 5 additional personnel have accepted offers to join in May through July. Contract personnel joining the team since March include Galina Eakins, Hugh Mays, and Jonathan Ward. 3 more individual have accepted contract positions starting in May and June.
- Ramisha Murray has accepted a six month temporary career development assignment in the plant staff design engineering group.
- Design authority policy discussions were resolved in April and a FSAR update to reflect the assignment of that design authority role through the EPU Project Manager to the Engineering Superintendent was processed.

If you have any questions, please call me at extension x4752.

Steve Huntington

Attachment

cc: T. Hobbs	D. Young	G. Miller	CR3 Managers
D. Varner	J. Franke	NP&C Managers	
J. Terry	M. Annacone	EPU Staff	

Monthly Business Review Meeting

June, 19 2007

Note: This document contains transmission-related information and cannot be forwarded to any wholesale merchant function employee

Levy Nuclear Plant Status

FERC Standards of Conduct -- Pursuant to FERC Order 2004 and subsequent FERC orders and guidance, marketing entities, including Progress Energy wholesale merchant function employees (such as PEF and PEC RCO and Regulated Fuels employees) are prohibited from receiving or viewing any transmission-related information in the attached document(s). Any such information shall be removed from any document prior to it being distributed to any wholesale merchant function employee. Further, to the extent transmission-related information will be discussed during any meeting, any wholesale merchant function employees will be excused from the meeting prior to any such discussions, and the minutes of the meeting will reflect the removal of any such wholesale merchant function employee.

Proprietary and Confidential

Levy Nuclear Plant Status

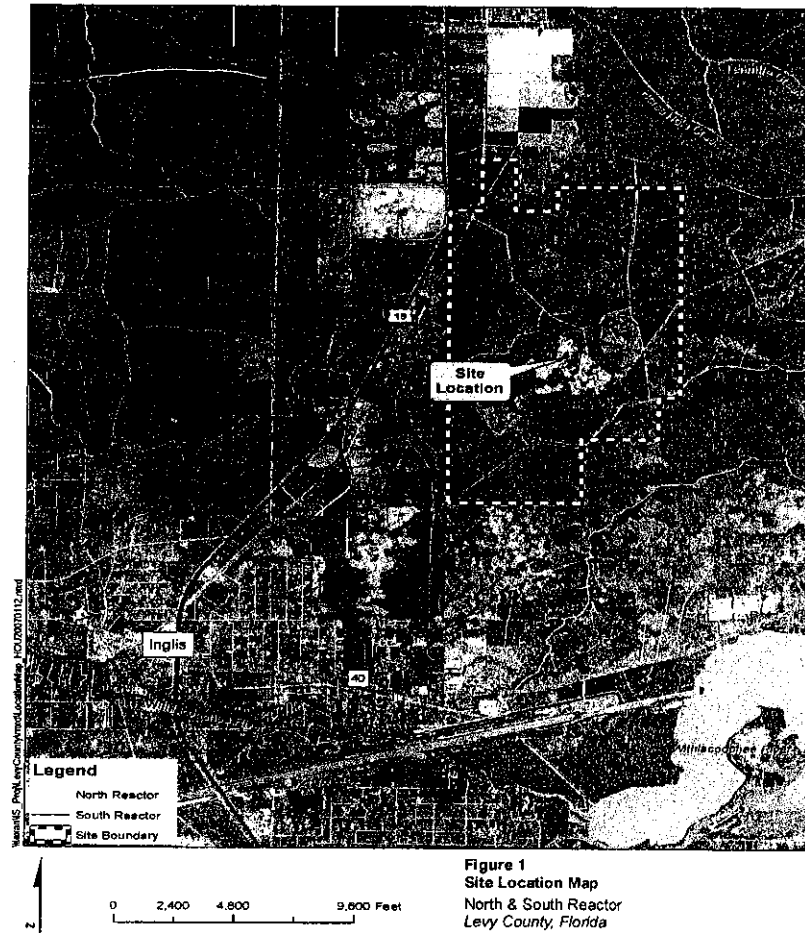
Topics

- Levy Site Overview
- Levy Activities/Milestones
- AP1000 Reactor Technology Overview
- Plant Staffing
- Costs
- Risks/Mitigation Strategy
- Attachments
 - ◆ Cost Recovery
 - ◆ Transmission

Levy Nuclear Plant Status

● Site Overview

- ◆ 2 – Westinghouse AP1000 Reactors
- ◆ Forced Draft Cooling towers
- ◆ Intake Structure on Barge Canal at Inglis Locks
- ◆ 4 Utilities and China have selected – AP1000



Levy Nuclear Plant Status



Reactor Site looking west

Levy Nuclear Plant Status

• Technology Selection

The Best available information shows that new advanced nuclear generation appears to be the most cost-effective, reasonable alternative over the long term, taking into account the need:

- for continued fuel diversity and security,
- for baseload generating capacity,
- to reduce PEF's dependence on foreign fuel supplies (particularly oil and natural gas),
- to reduce greenhouse gas and other air emissions, and
- to contribute to the long term stability and reliability of our electric grid.

Studies and analysis of all available options have been completed to establish the preference and selection of:

- Westinghouse Electric Company's AP1000 Advanced Passive nuclear generation technology as the technology of choice.
- Shaw Stone and Webster as the EPC contractor of choice for engineering, site development and construction, and
- The proposed Levy County Site as the preferred project site.

PAGE 6
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Levy Nuclear Plant Status

- **2007 - 2009 Major Activities**

- ◆ 6/07 Operator Training Program Development
- ◆ 9/07 Purchase Rayonier Property
- ◆ 10/07 Conceptual Site Design Complete
- ◆ 11/07 WEC Price Finalization
- ◆ 12/07 Site Design Finalization Commence
- ◆ 1Q/08 EPC Signed
- ◆ 1Q/08 Long Lead Items Ordered
- ◆ 2Q/09 Site Clearing/Excavation

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Levy Nuclear Plant Status

- **LNP EPACT Milestones**

- Milestones COLA Filed/Accepted Safety Related Work Start (Concrete) COD
- Milestone Date 12/31/08

- LNP 1# 7/31/08 (submittal) REDACTED REDACTED
- LNP 2# 7/31/08

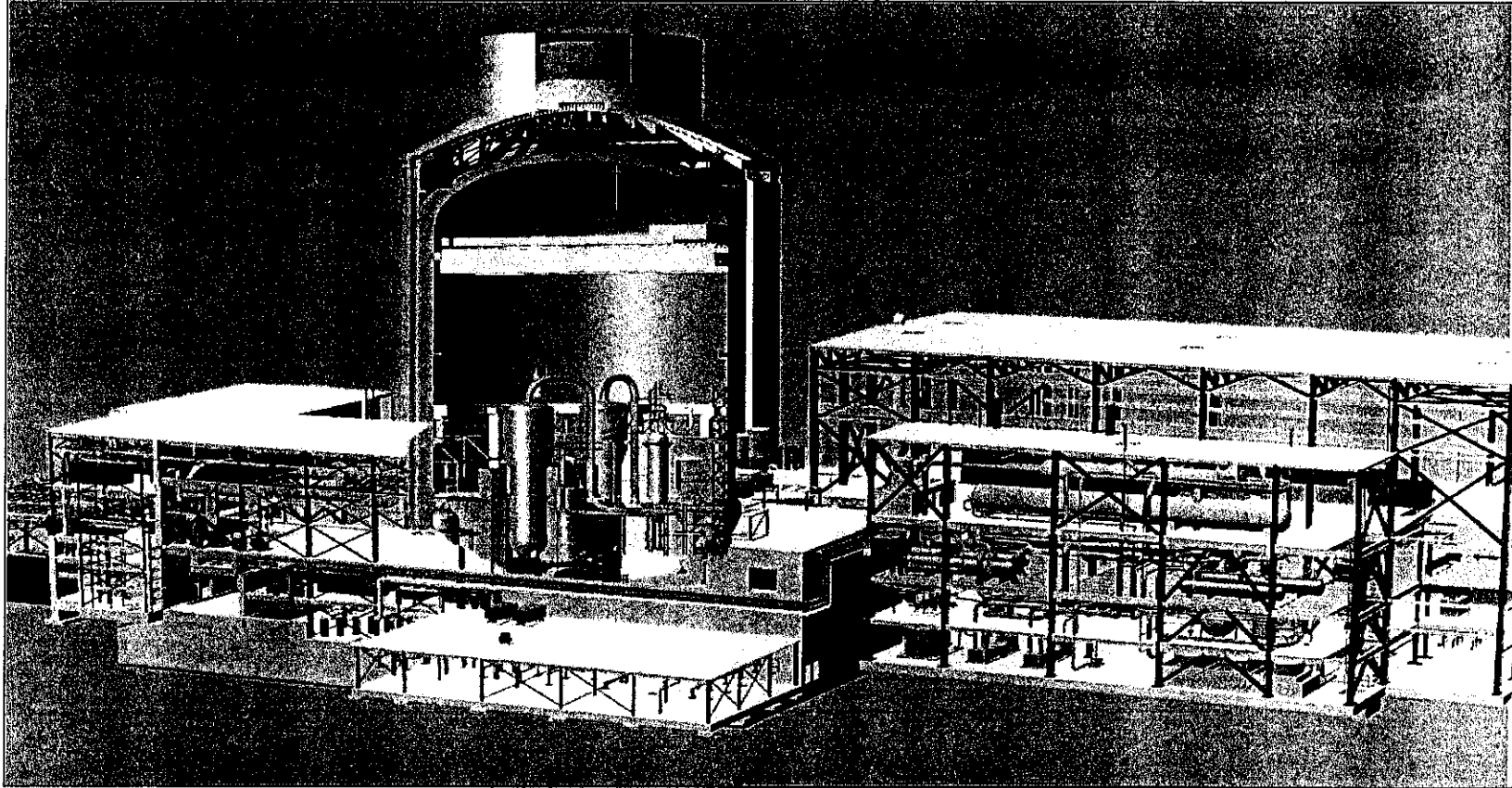
All PTC milestones met.

- Assumptions:
 - Both the LNP and COLA will be accepted by 12/31/08
 - LNP COLA approval 12/2011
 - One year separation between LNP 1 and 2.



Levy Nuclear Plant Status

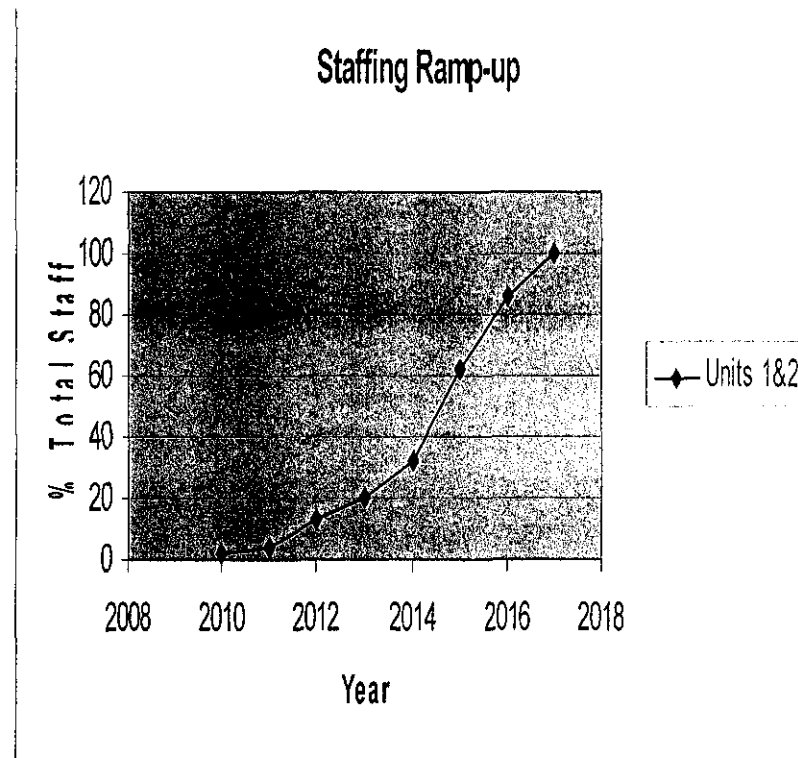
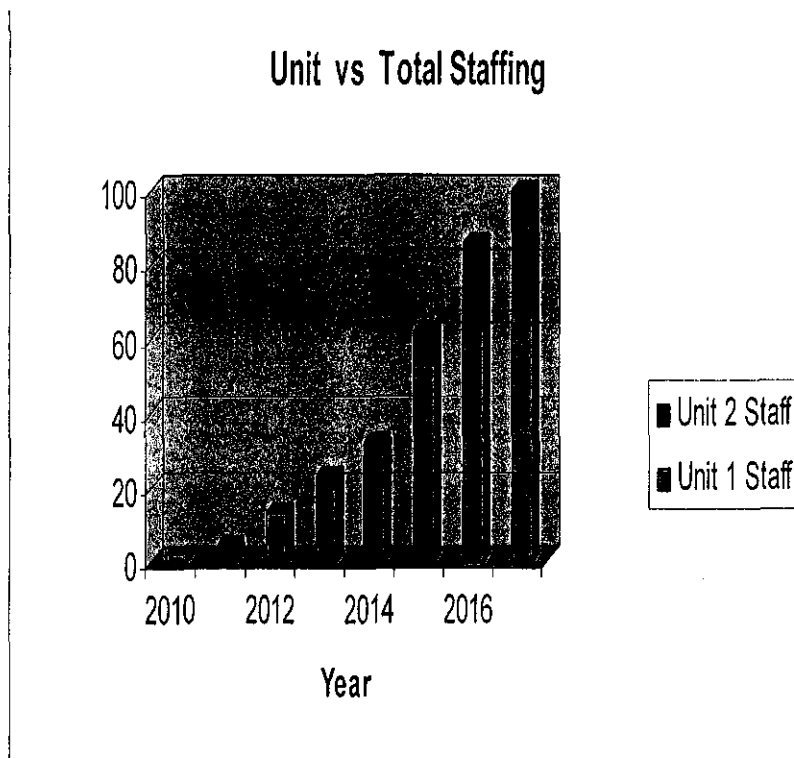
Standard AP1000



**PAGE 10 - 11
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Levy Nuclear Plant Status

•Plant Staffing – Levy County – 773 total



Levy Nuclear Plant Status

- **Plant Staffing/Hiring – 2007-2009**

- ◆ Procedure Writers – 2, in support of Builders Group efforts. (late 2007)
- ◆ Construction Supt (2007)
- ◆ Licensing (2008)
- ◆ LNP Leadership/Recruiting (2009)
- ◆ Training Instructors – (2-2008, 6-2009)
- ◆ Increase existing plants Ops and Maint pipeline (2009)
- ◆ Vendor Quality/Procurement Engr (2008)

Levy Nuclear Plant Status

• Project Cost Timeline

- June 2006 - Initial CapEx from RFQ provided. Initial AP-1000 Business Plan submitted by Westinghouse Electric Company LLC (WEC). *(Completed)*
- December 2006 - Update to CapEx from WEC, Levy Purchase Agreement finalized, initial total cost estimate completed (includes S&L estimate for site specific items) *(Completed)*
- February 2007 - Update to Technology Evaluation update completed, GFF input provided to System Planning *(Completed)*
- June 2007 – Updated cost estimate for total project cost at time of approval for BAP *(Completed)*
- December 2007 - Price certainty update from WEC, Cost update from Shaw based on 50% completion of the first phase for site specific work, all site land acquisition determined.
- March 2008 - EPC signed.

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PAGE 15 - 18
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Levy Nuclear Plant Status

● Risk Items

- ◆ Plant Deployment Total Costs
 - ◆ Westinghouse contract is not finalized which is 66% of the total project cost (no AFUDC or Transmission). Of this portion of costs WEC estimates:
 - ◆
 - ◆
 - ◆ Commodity increases and Escalation rates.
 - ◆
- ◆ AP1000 Deployment Issues
 - ◆ Design Finalization
 - ◆ Generic Engineering Issues
 - ◆ Seismic Issues
- ◆ Siting Risks
 - ◆ LNP
 - ◆ Non-uniformity in site could require additional borings, additional analysis, and increased plant costs
 - ◆ Barge Canal usage/316(b)

Levy Nuclear Plant Status

- Risk Items (cont.)
 - ◆ Federal Regulatory Risks
 - ◆ Revised Part 52 language on site preparation & excavation (prior to COLA)
 - ◆ Part 52 versus Part 73 revision on large fires (aircraft)
 - 9th Circuit Court Terrorist Issues
 - ◆ LR/COLA overlap
 - ◆ COE Permit Approval
 - ◆ State Regulatory Risks
 - ◆ Certificate of Need
 - ◆ Site Certification

Levy Nuclear Plant Status

● Mitigation Strategies

- Exit strategy for long lead equipment.
- Contracts and purchase orders developed shall contain appropriate cancellation clauses or other exit strategies.
- Contracts will have provisions for termination and suspension for non-performance.
- ◆ In the case of non-performance termination or default, Progress Energy would contract with engineering and construction firms to assume the work.
- The Nuclear Cost Recovery Rule has been passed to help mitigate the interest rate risk.
- ◆ Utilization of Owners Engineer

Levy Nuclear Plant Status

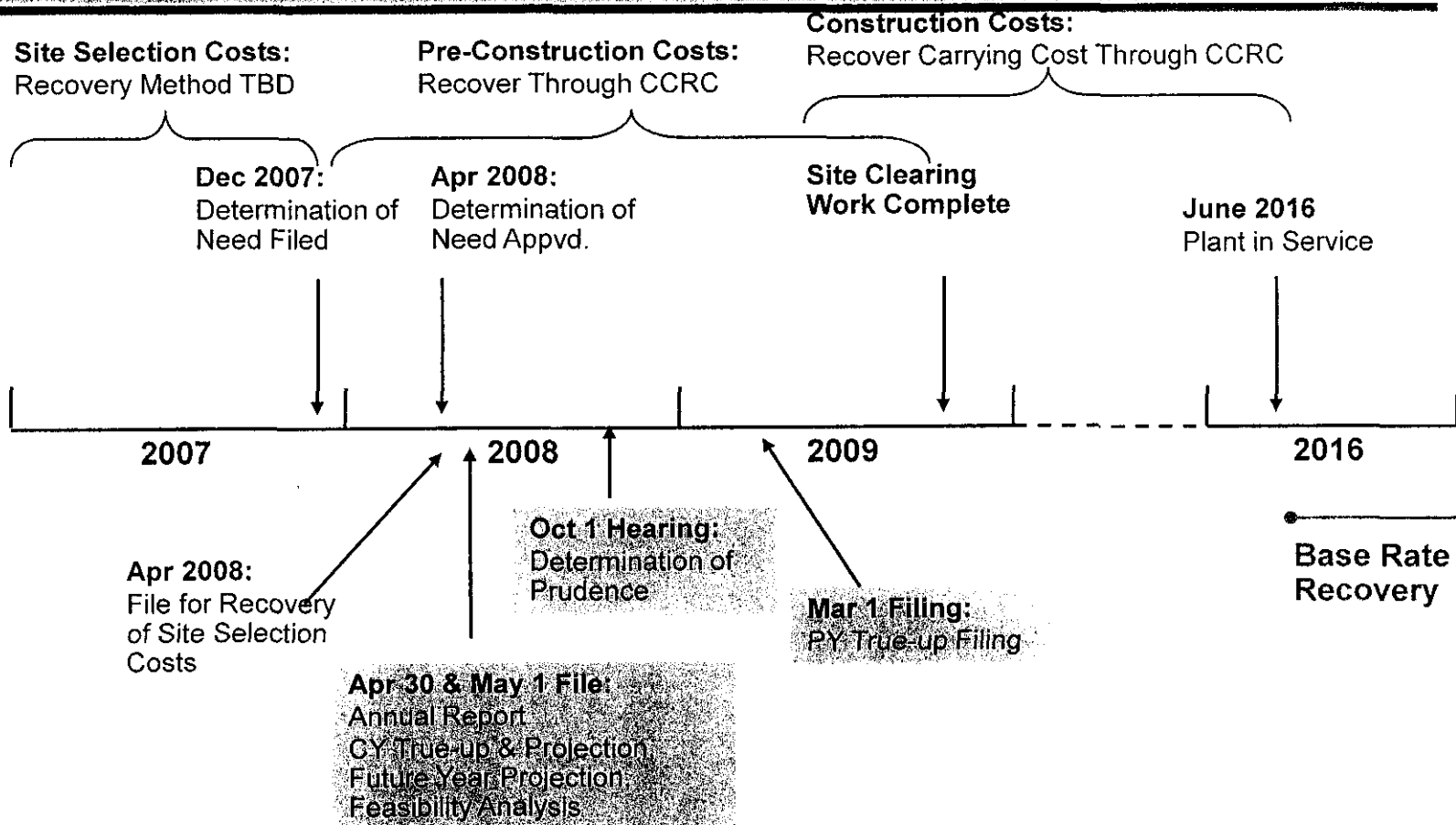
- **Cost Recovery**

Levy Nuclear Plant Cost Recovery

Cost Type	Cost Begin	Cost End	Recovery Method
Site Selection	Project Start	Need Petition is filed	To be determined
Pre-Construction	Need Petition is filed	Site Clearing Complete	Capacity Cost Recovery Clause (CCR)
Construction	Construction Begin date	System Commercial Operation	Carrying Costs - CCR Plant In Service - Base Rates

- **Site Selection Costs and Pre-Construction costs** include, but are not limited to:
 - Any and all costs associated with preparing, reviewing and defending a COL application for a nuclear power plant
 - Costs associated with site and technology selection
 - Cost of engineering, designing and permitting the nuclear power plant
 - Cost of clearing, grading and excavation
 - Cost of on-site construction facilities
- **Construction Costs** are those costs that are expended to construct the nuclear power plant including, but not limited to the costs of constructing nuclear power plant buildings and all associated permanent structures, equipment and systems.

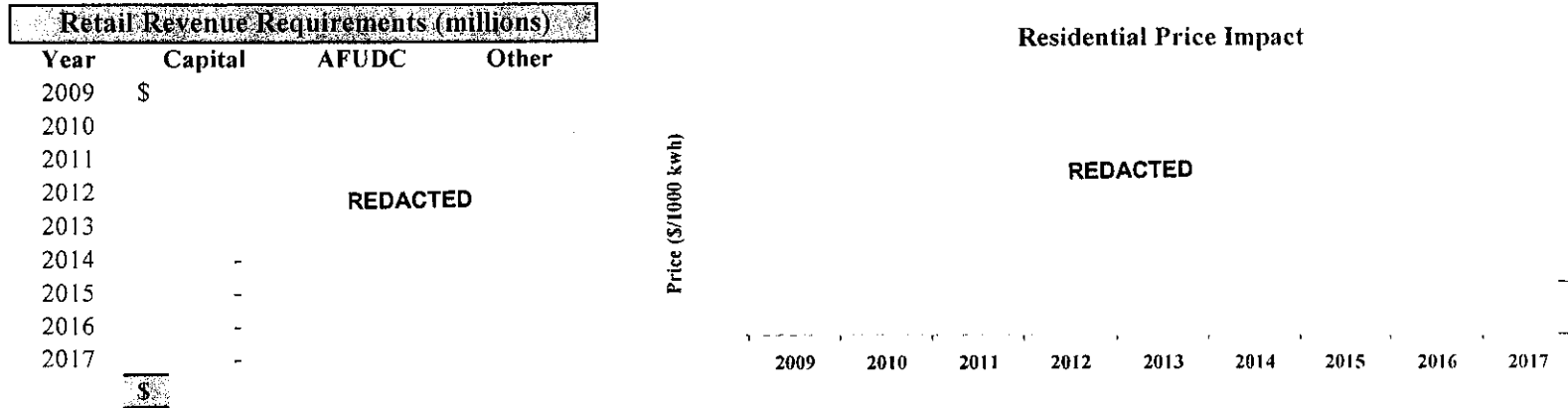
Levy Nuclear Plant Regulatory Process



Assume: Determination of Need File in Dec 2007 and approved in April 2008.
Plant goes in Service June 30, 2016



Levy Nuclear Plant Revenue Requirements



• **Key Assumptions:**

- Capital Expenditures assumes recovery of Site selection and Pre-construction expenditures for 2 units and associated Transmission
- AFUDC assumes recovery of the carrying costs calculated on Site selection, Pre-construction and Construction Expenditures
- Other consists of the return on the deferred tax asset that will exist due to capitalized interest and book versus tax differences
- Revenue Requirements assume 100% ownership of plant



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Levy Nuclear Project

Unit 1 (000's)			Unit 2 (000's)			Transmission (000's)		
Capital	AFUDC	Other	Capital	AFUDC	Other	Capital	AFUDC	Other

REDACTED

\$
\$
\$

Total Revenue Requirements =
REDACTED

• **Key Assumptions:**

- Capital Expenditures assumes recovery of Retail Site selection and Pre-construction expenditures.
- AFUDC assumes recovery of the carrying costs on the Retail Site selection, Pre-construction and Construction Expenditures; AFUDC Equity portion has been grossed up for taxes.
- Other consists of the return on the deferred tax asset that will exist due to capitalized interest and book versus tax differences.



Levy Nuclear Plant Status

- Transmission Attachment

Transmission for Baseload PEF-MBR

Dale Oliver
June 19, 2007



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Baseload Projects

Preliminary Scope

- 200 miles of new 500 kV Transmission Lines
- 50 miles of double circuit 230 kV Transmission Lines
- 75 miles of 115 kV Transmission Lines
- Expand four 500/230 kV Substations
- Two new 500 kV Switching Stations

**PAGES 30 - 31
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Baseload Projects

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	2007 (millions)	2008 (millions)	2009 (millions)	2010 (millions)	2011 (millions)	2012 (millions)	2013 (millions)	2014 (millions)	2015 (millions)	Total (millions)
Line Structures & Material										
Line Labor, Equip & Supv										
Substation										
P&C										
Engineering & Survey										
Clearing/Roads										
Real Estate Land										
Other *										
PEF Labor										
Subtotal										
GAC										
Contingency										
TOTAL										

REDACTED



Baseload Projects

Key Risks

- Acquisition of ROW in timely manner
- SCA permit – extremely challenging deadline
- Community relations impacts – open houses starting June/July
- Other utilities could claim adverse impacts
- Acquiring experienced personnel for PEF recently approved positions
- Massive amounts of contract resources needed
- Use of additional \$'s in 2007 – pull \$'s from '08 into '07

Baseload Projects

Key Risks cont.

- Land and commodity price increases
- Dealing with a large number of legal jurisdictions

Baseload Projects

Mitigation Plans

- Recruiting Strategies
- Community Outreach & Communication Plan
- Prudent Routing Strategies
- Flexibility in Design Options
- Legislative Initiatives

Next Steps

- Phase II of Planning Study completed on June 15, 2007.
- Establish PEF Baseload section structure by July 20, 2007.
- Determine final design scope and strategy 500 kV vs. 345 kV conversion by August 1, 2007.
- Cost estimate based on refined scope by October 31, 2007.
- Complete selection of Baseload management team by October 30, 2007.
- Route selections studies are underway – determine final/preferred routes by February 28, 2008. Provide data to support the SCA submittal on June 1, 2008 and the COLA submittal on July 1, 2008 by second week of March 2008.

Appendix



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MBR Levy Overview

First Quarter Review

April 21, 2008

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(do not circulate)

FERC Standards of Conduct – Pursuant to FERC Order 2004 and subsequent FERC orders and guidance, marketing entities, including Progress Energy wholesale merchant function employees (such as PEF and PEC RCO and Regulated Fuels employees) are prohibited from receiving or viewing any transmission-related information in the attached document(s). Any such information shall be removed from any document prior to it being distributed to any wholesale merchant function employee. Further, to the extent transmission-related information will be discussed during any meeting, any wholesale merchant function employees will be excused from the meeting prior to any such discussions, and the minutes of the meeting will reflect the removal of any such wholesale merchant function employee.



Progress Energy

Key Activities

- **Levy Need Case**

- Filed on March 11
- Service Hearing on April 23
- Public Hearing set for May 21-23
- Commission vote expected on July 17
- Case Order due August 4

- **10-Year Site Plan**

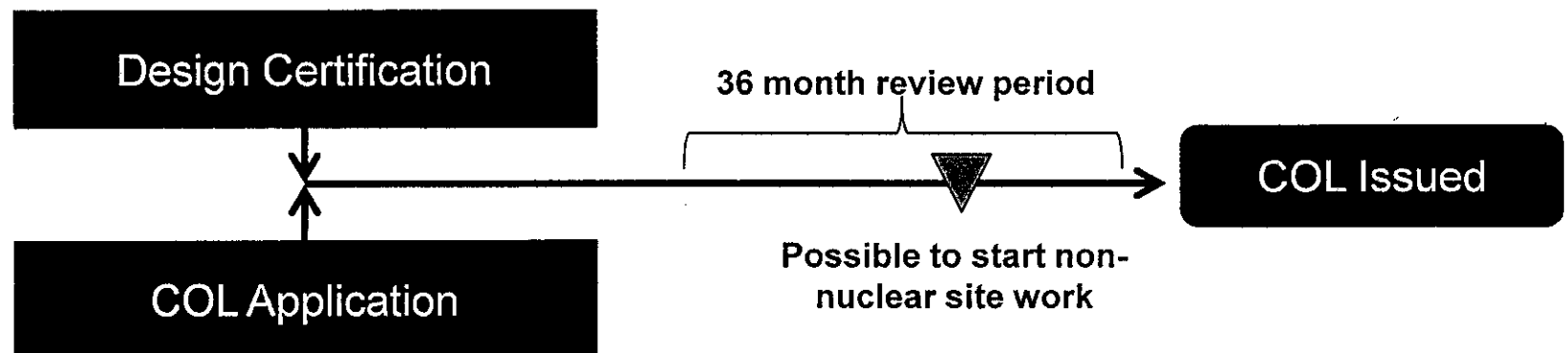
- Filed on April 1
- Includes 2013 Gas Combined Cycle add
- Assumes 100% ownership of Levy
- Allows for potential retirements

- **Levy Financing**

- Modeling various alternatives
- Reviewing risk contingencies
- Pursuing Joint Owner Partners

Combined License

- Filed Harris COLA on February 19, 2008
- Development for Levy COLA in progress
- Planned for filing on July 31, 2008
- To reference AP1000
 - Design certified



EPC Negotiations

- Early discussions Feb/March
- Began in earnest – April 11
- Weekly effort with Shaw/Westinghouse/PE
 - ◆ Evaluate Terms and Conditions
 - ◆ Identify Cost Savings Opportunities
 - ◆ Review Non Nuclear Specific Activities
 - ◆ Follow 60-day Exclusivity period
 - ◆ Target EPC Agreement by Need Issue date (8/4)

Levy Nuclear Development

- Arrived at Preferred Design – AP1000
- Existing BAP for COL Application
 - Submitted March 2006
 - Revised September 2007
 - Authorized for REDACTED
- Cost Information REDACTED budgeted for 2008
- Updated BAP April 2008 to cover
 - Site Certification Application additional work
 - Limited Work Authorization preparation
 - LOI and Long Lead Equipment Reservation
 - Detailed Design of Permanent Structures
- Anticipated Spend REDACTED by Yr-End REDACTED

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Baseload Transmission Planning

- Arrived at Preferred Option B
- Developing 2008 IPP
 - Integrated project activity
 - LINC review on May 9
 - Submitted to SMC by May19
- Cost Information REDACTED budgeted for 2008
- Includes
 - Early Land Purchase
 - Engineering Services
 - Real Estate and Legal Services
 - Customer Outreach Expenses

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Update on the Levy Nuclear Plant

Danny Roderick

Feb 15, 2008

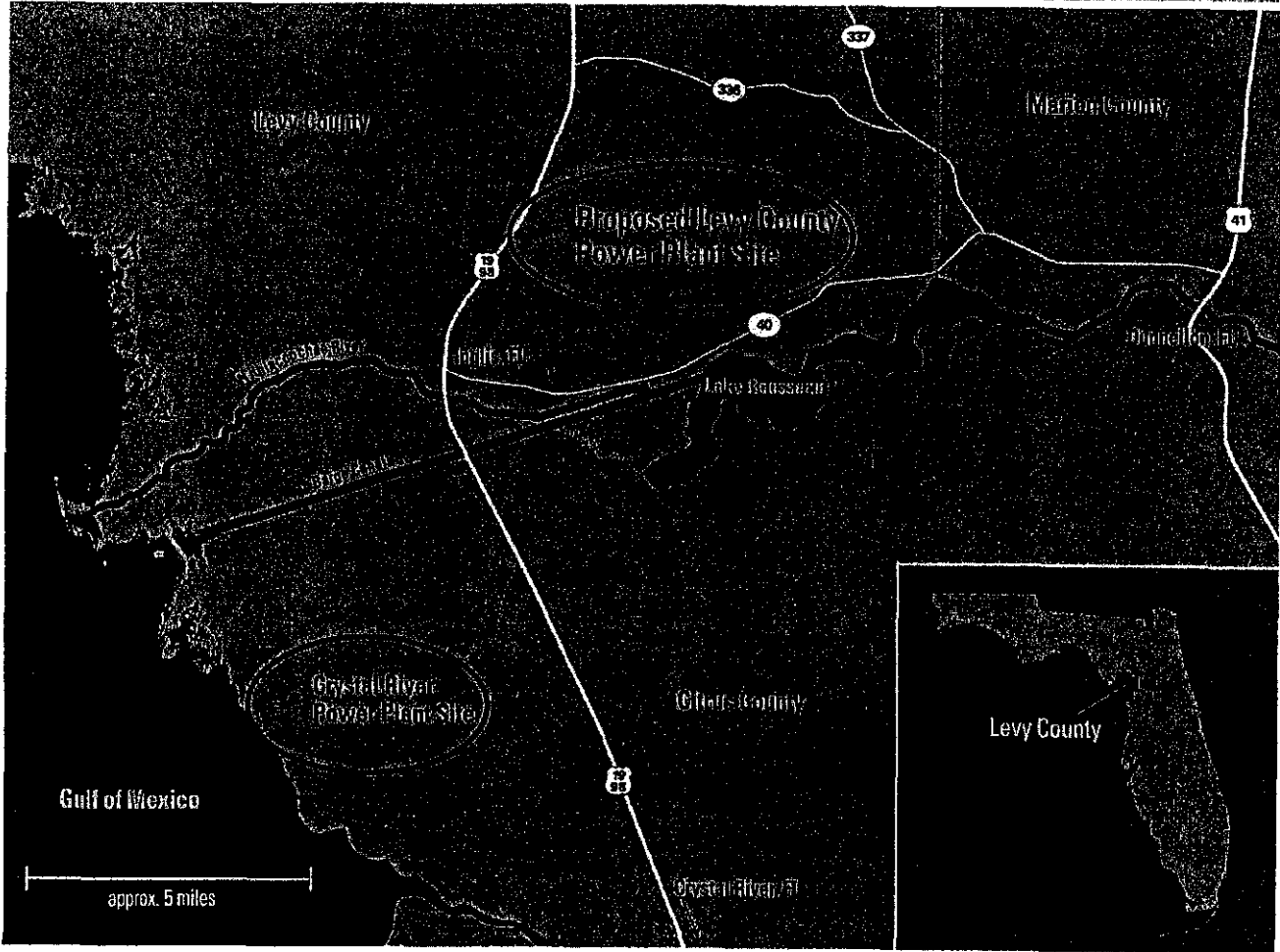


**WE'RE LOOKING
AT POWER IN A
NEW LIGHT.**



Progress Energy

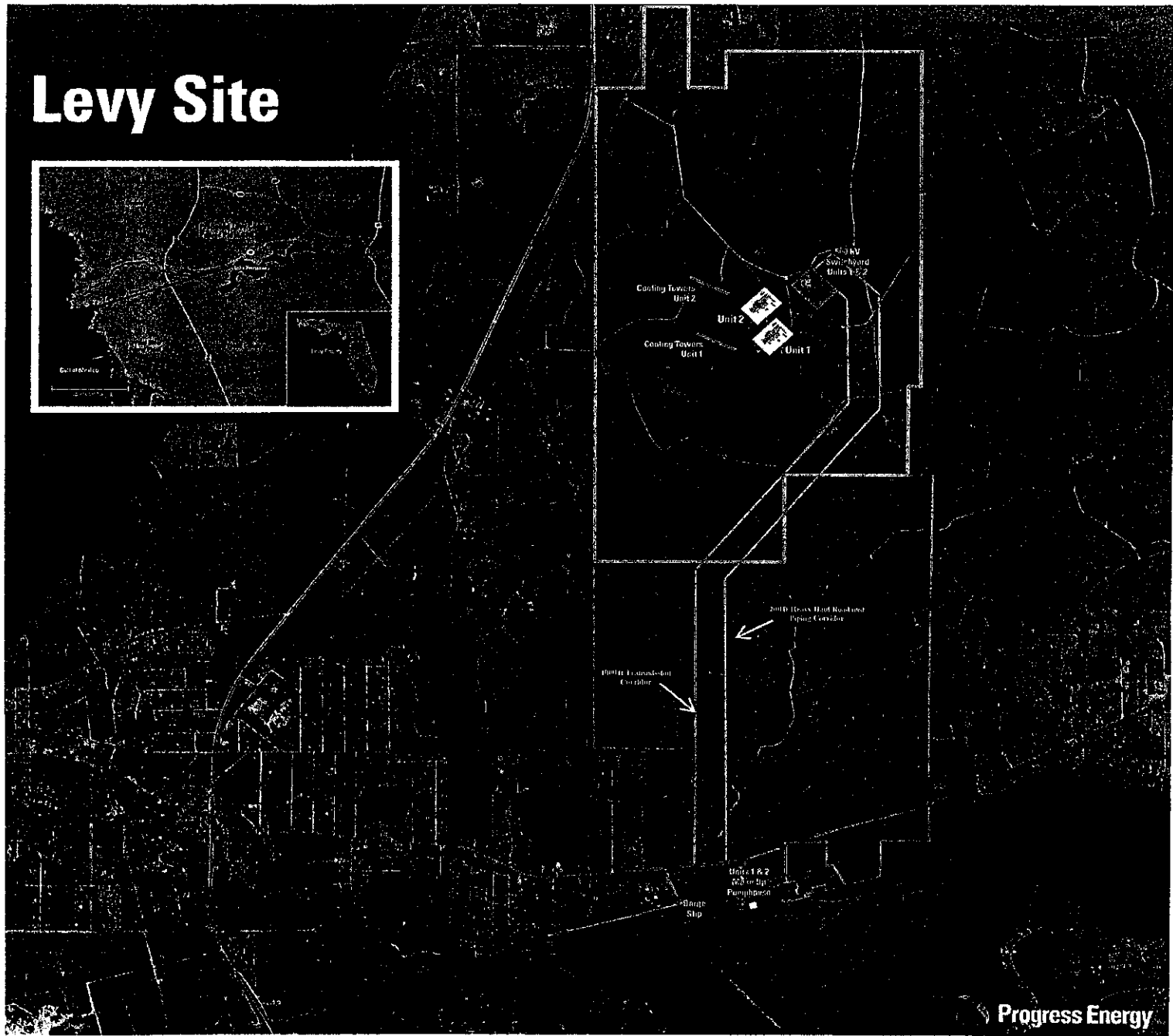
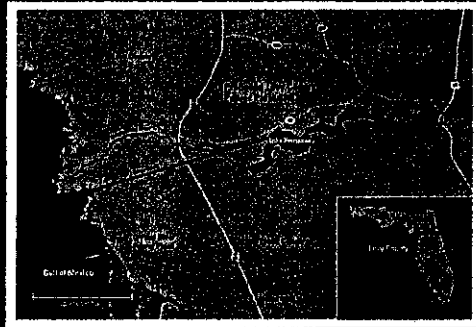
Levy County Nuclear Plant



WE'RE LOOKING AT POWER IN A NEW LIGHT.



Levy Site



**Levy Site
Aerial View**



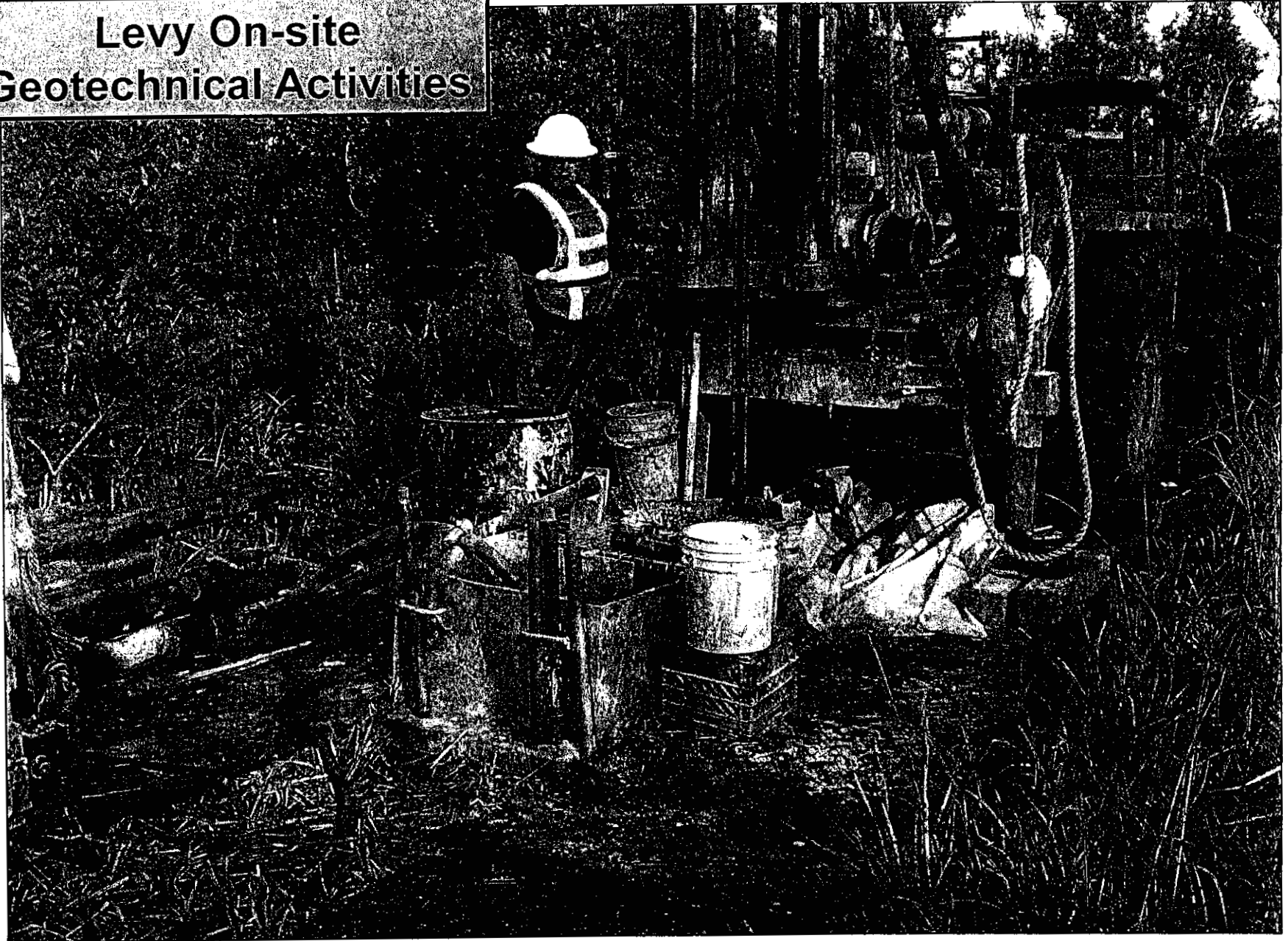
**Levy on-site
Meteorological Tower**



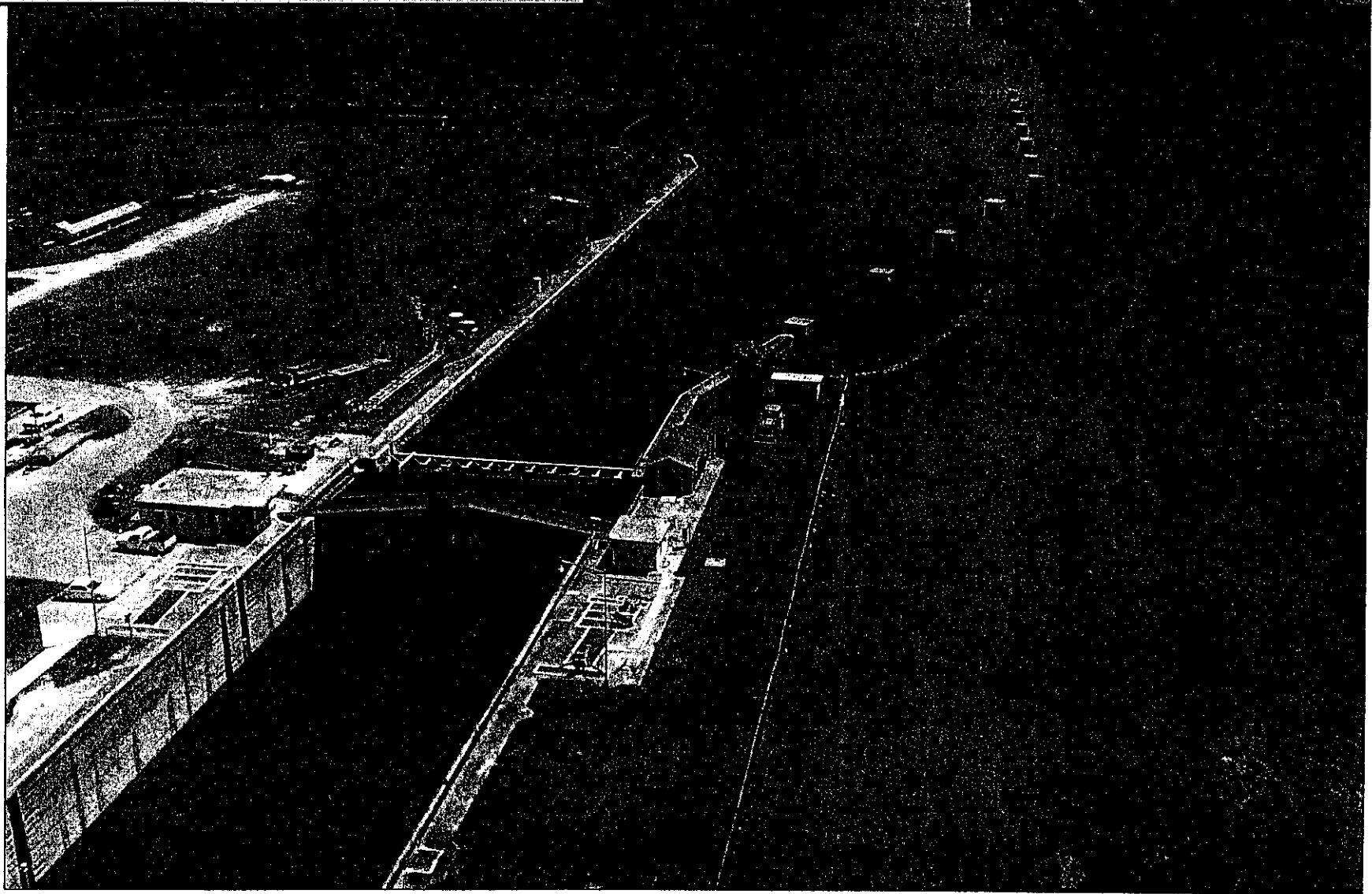
Levy on-site Geotechnical Activities



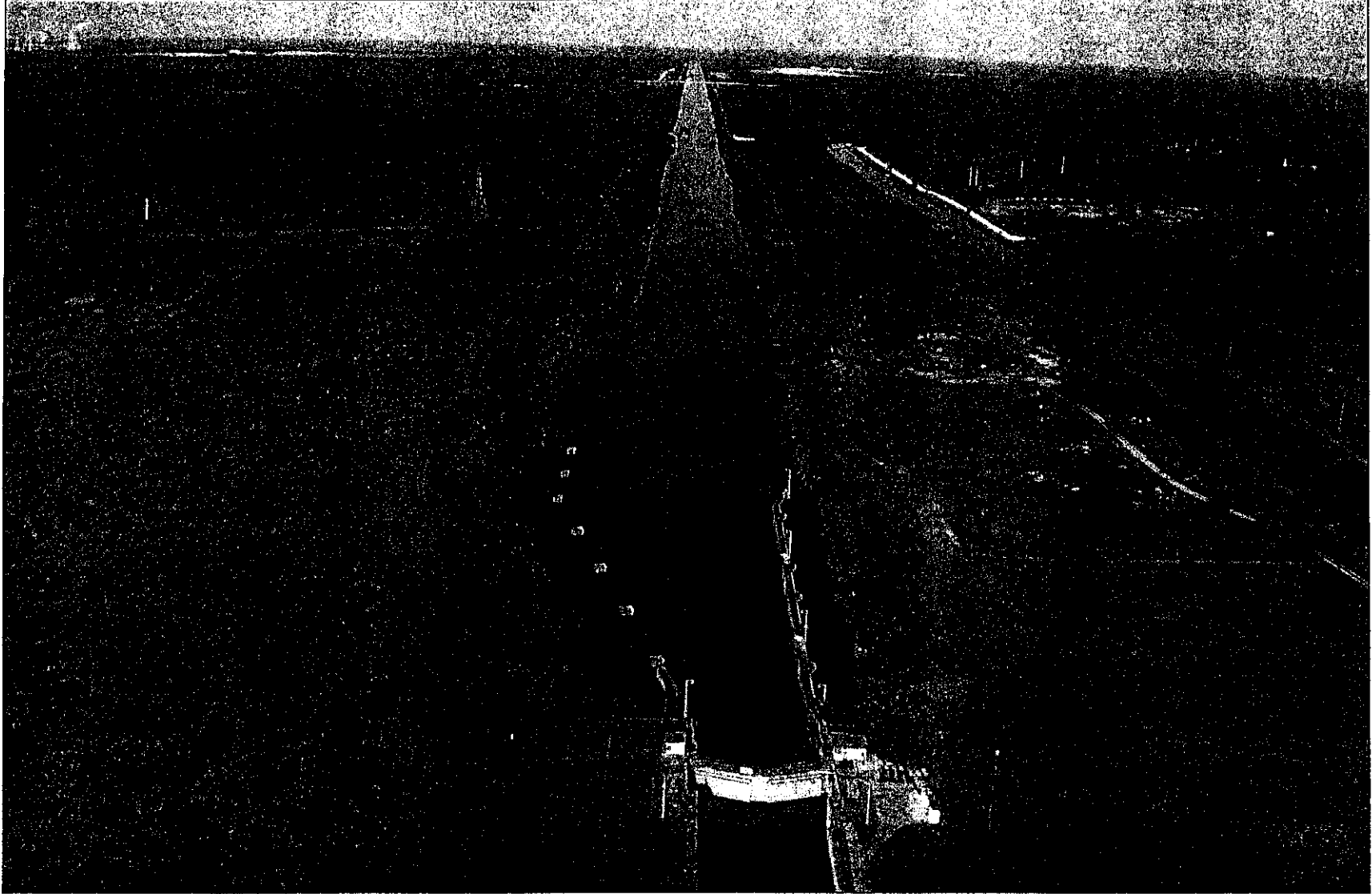
**Levy On-site
Geotechnical Activities**



**Cross-Florida Barge Canal
Looking East toward Lake**

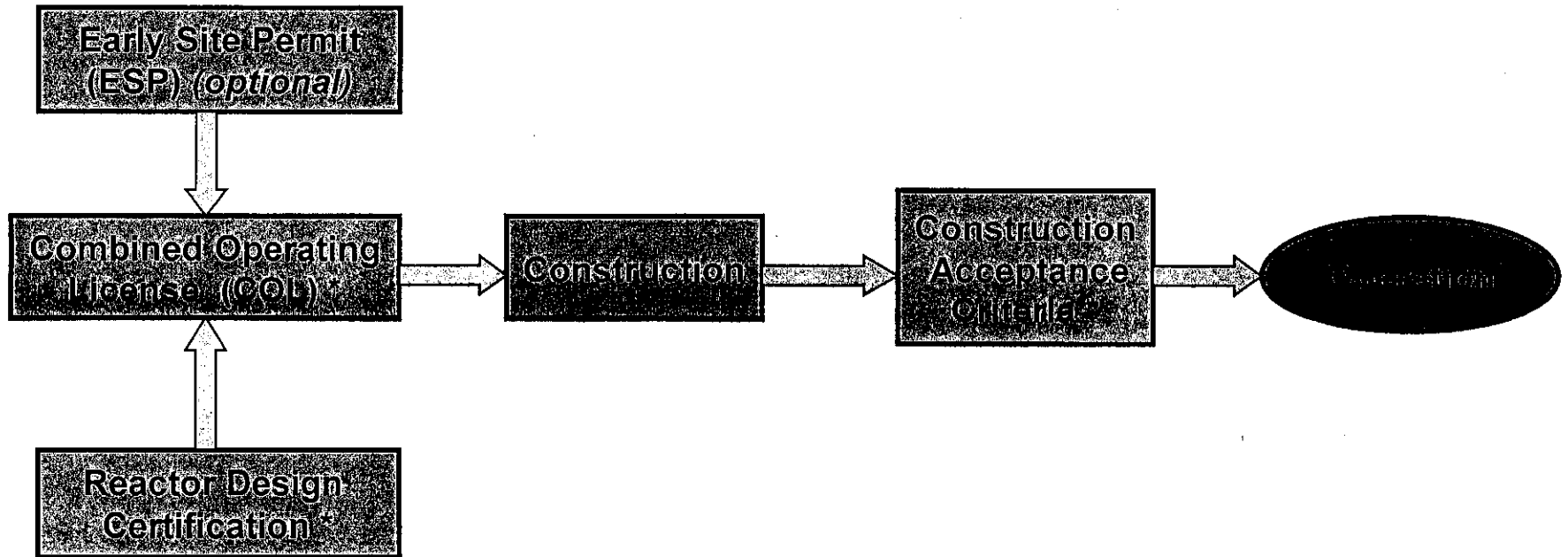


**Cross-Florida Barge Canal
Looking West Toward Gulf**



New NRC Licensing Process

10 CFR Part 52

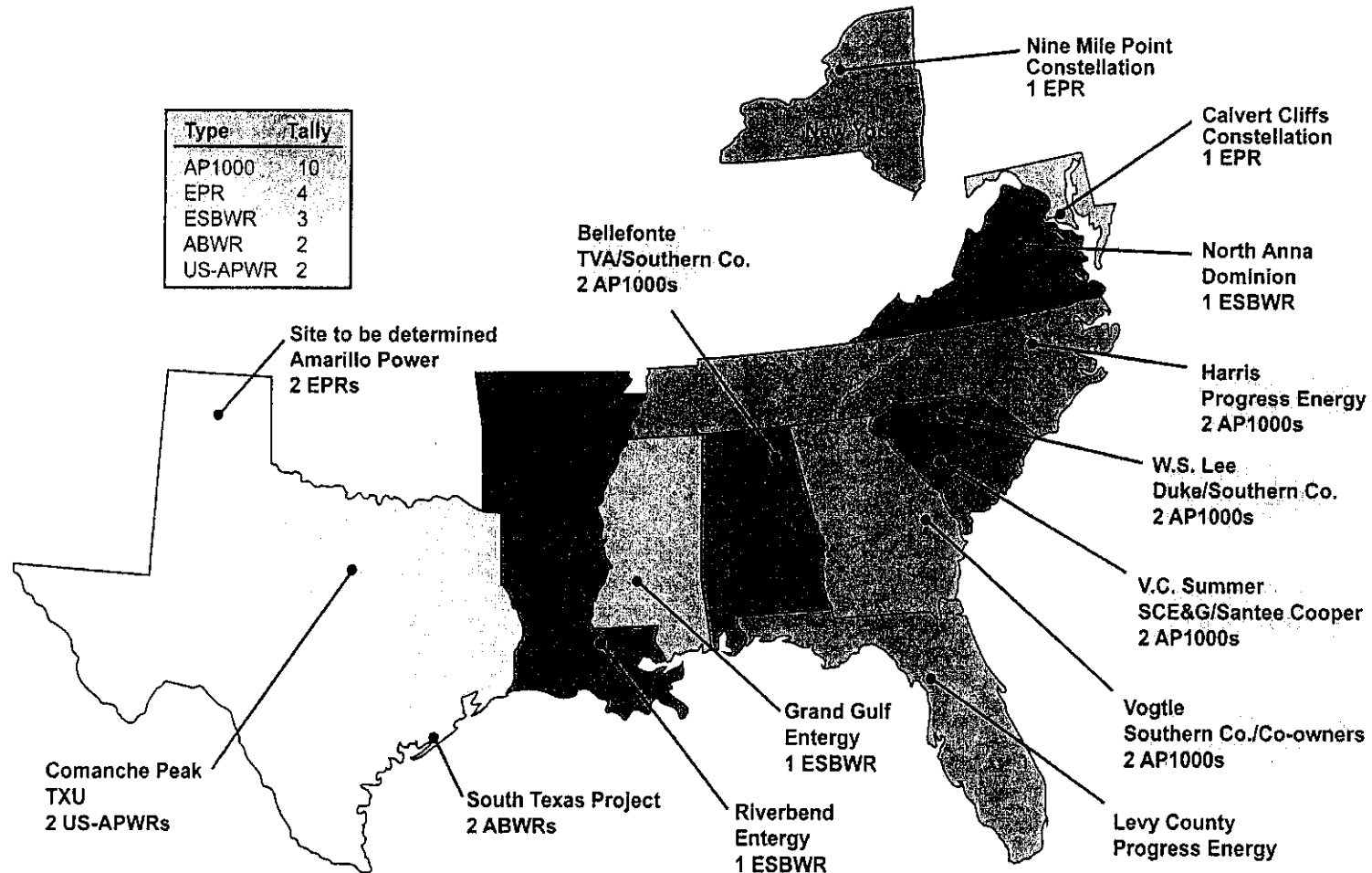


* Public Comment Opportunity

WE'RE LOOKING AT POWER IN A NEW LIGHT.



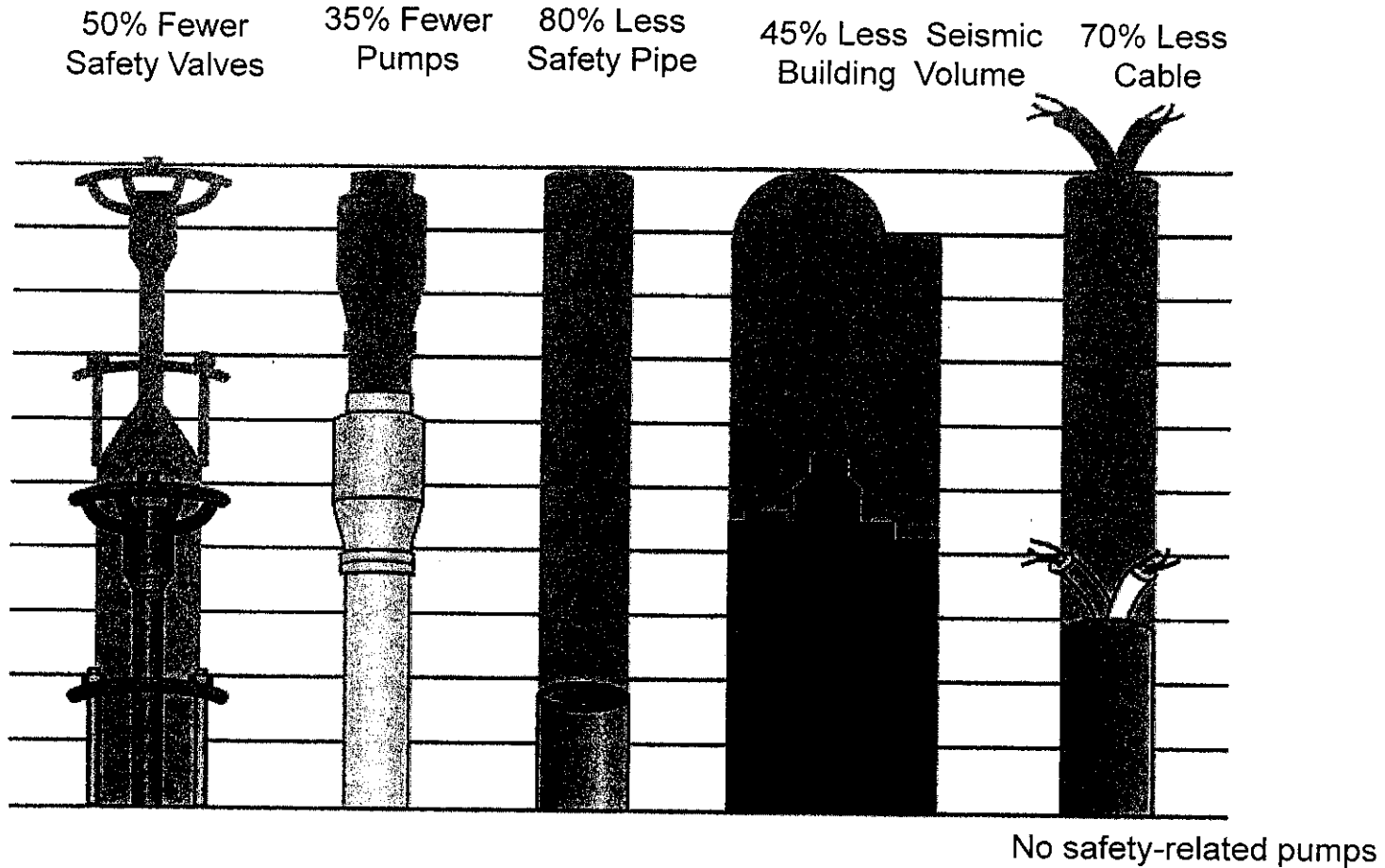
COLA Declared to NRC



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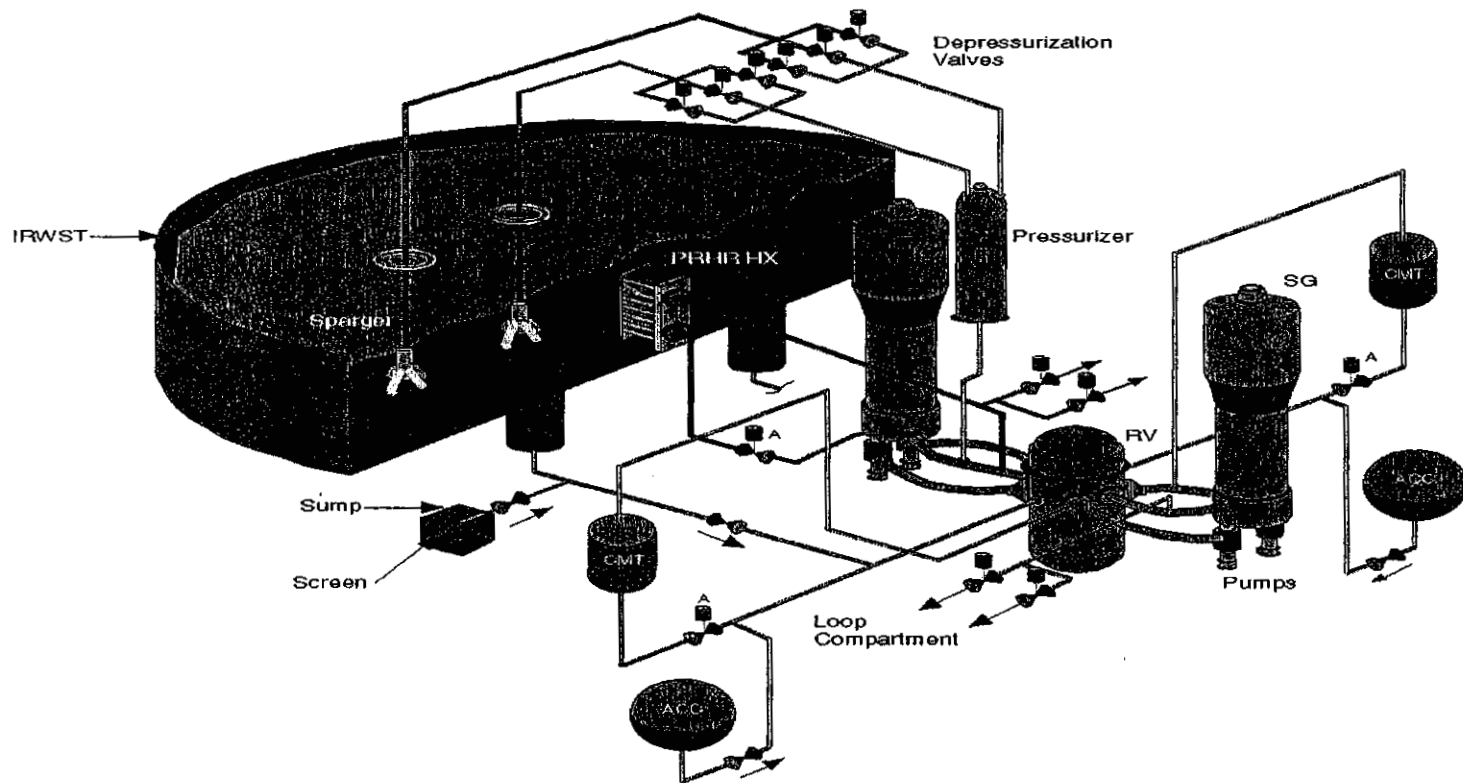
Fewer Components Reduce Costs



WE'RE LOOKING AT POWER IN A NEW LIGHT.



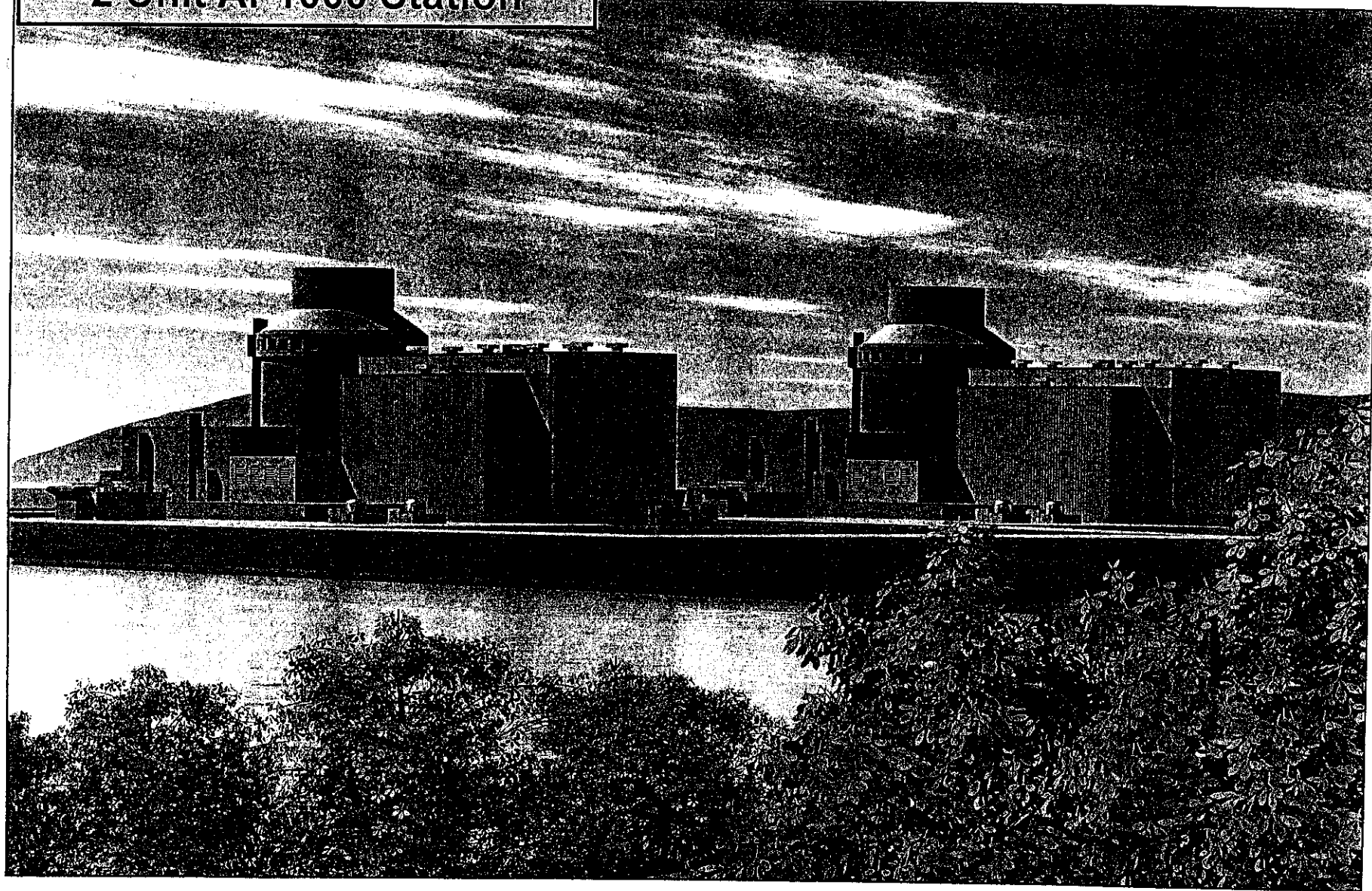
Passive Core Cooling System



WE'RE LOOKING AT POWER IN A NEW LIGHT.



**Conceptual View
2 Unit AP1000 Station**



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Getting Started On the Ground...if

REDACTED

WE'RE LOOKING AT POWER IN A NEW LIGHT.



Levy Project Opportunities Near Term

- Negotiate an EPC Contract
- Finalize a Labor Union Strategy
- Complete Facilities Design
- Baseload Transmission Strategies
- Environmental Strategies
- Continue Community and Political Support
- Financing and Rate Recovery Strategies

WE'RE LOOKING AT POWER IN A NEW LIGHT.



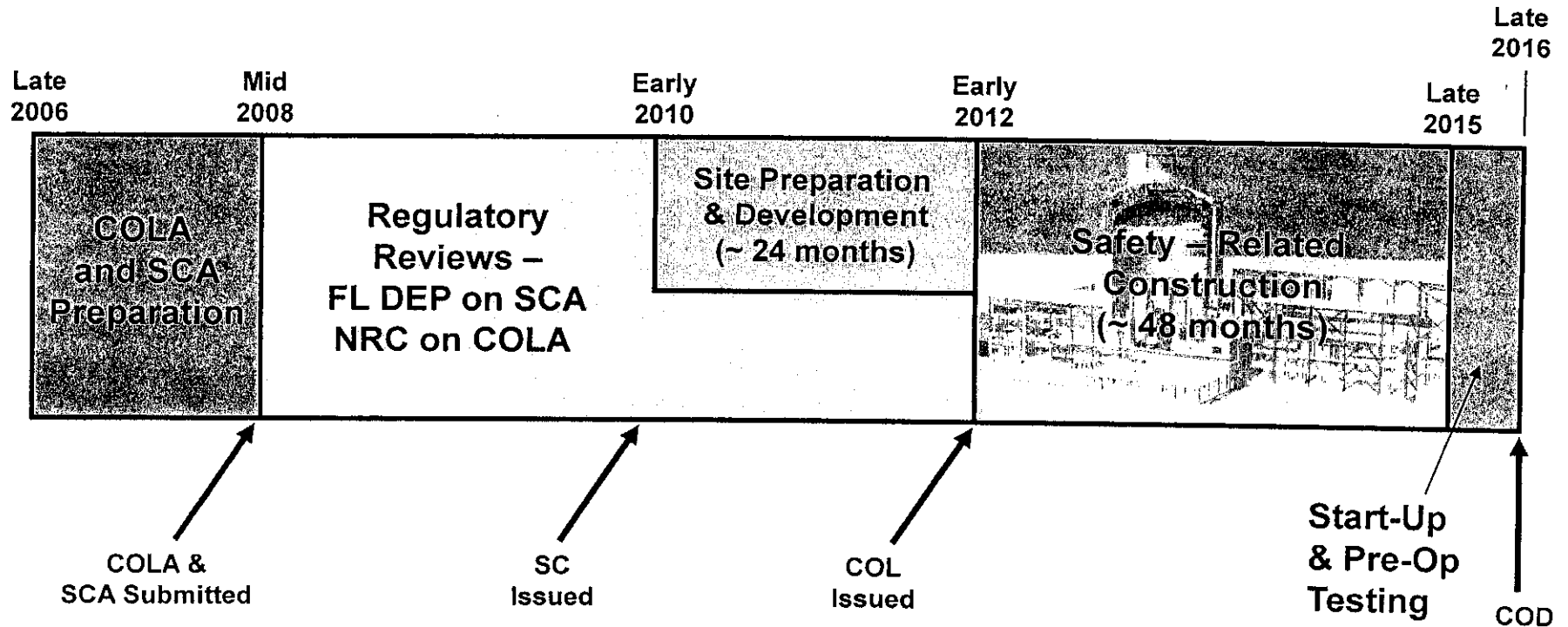
Levy Discussions

- EPC Discussions
 - ◆ Ability to Defend Prudency
 - ◆ Proper Risk and Reward Balance
 - ◆ Price and Cash Flow We Can Afford
- As You Hear Total Plant Price
 - ◆ Power Plant Itself
 - ◆ Transmission Costs
 - ◆ Greenfield Site
 - ◆ Finance Costs
 - ◆ Recovery Unlike Normal Base Rates

WE'RE LOOKING AT POWER IN A NEW LIGHT.



Levy Estimated Timeline – 1st Unit



COLA – Combined Construction & Operating License Application
 SCA – Site Certification Application

WE'RE LOOKING AT POWER IN A NEW LIGHT.



FLORIDA PUBLIC SERVICE COMMISSION
AUDIT DOCUMENT/RECORD REQUEST
NOTICE OF INTENT

TO: Maritza Iacono

UTILITY: Progress Energy Florida

Carl Vinson

AUDIT MANAGER

FROM: Carl Vinson

REQUEST NUMBER: DR-7

DATE OF REQUEST: 6/13/08 - Due 6/20/08

AUDIT PURPOSE: Nuclear Controls Review

REQUEST THE FOLLOWING ITEM(S) BE PROVIDED BY: Maritza Iacono

REFERENCE RULE 25-22.006, F.A.C., THIS REQUEST IS MADE: INCIDENT TO AN INQUIRY

x OUTSIDE OF AN INQUIRY

ITEM DESCRIPTION:

1) Please list and provide copies of all audit reports and self-evaluations of the Levy project completed by PEF or Progress Energy Corporation from 2006 through 2008 to date. Please include copies of all auditee responses to the reports and findings.

2) Please list and provide copies of all audit reports of the Levy project completed by the NRC from 2006 through 2008 to date. Please include copies of all auditee responses to the reports and findings.

3) Please list and provide copies of all audit reports and self-evaluations of the CR3 Uprate project completed by PEF or Progress Energy Corporation from 2006 through 2008 to date. Please include copies of all auditee responses to the reports and findings.

4) Please list and provide copies of all audit reports of the CR3 Uprate project completed by the NRC from 2006 through 2008 to date. Please include copies of all auditee responses to the reports and findings.

5) Please provide copies of the following reports for the period June 2007 to date: Monthly CR3 Uprate Cost Report, CR3 Project Status Report, Levy Project Status Report, and Monthly Financial Committee Business Reviews.

6) Please provide the current Project Assurance Plans for Levy and CR3 uprate.

TO: AUDIT MANAGER Carl Vinson DATE: 6/16/08

THE REQUESTED RECORD OR DOCUMENTATION:

(1) HAS BEEN PROVIDED TODAY

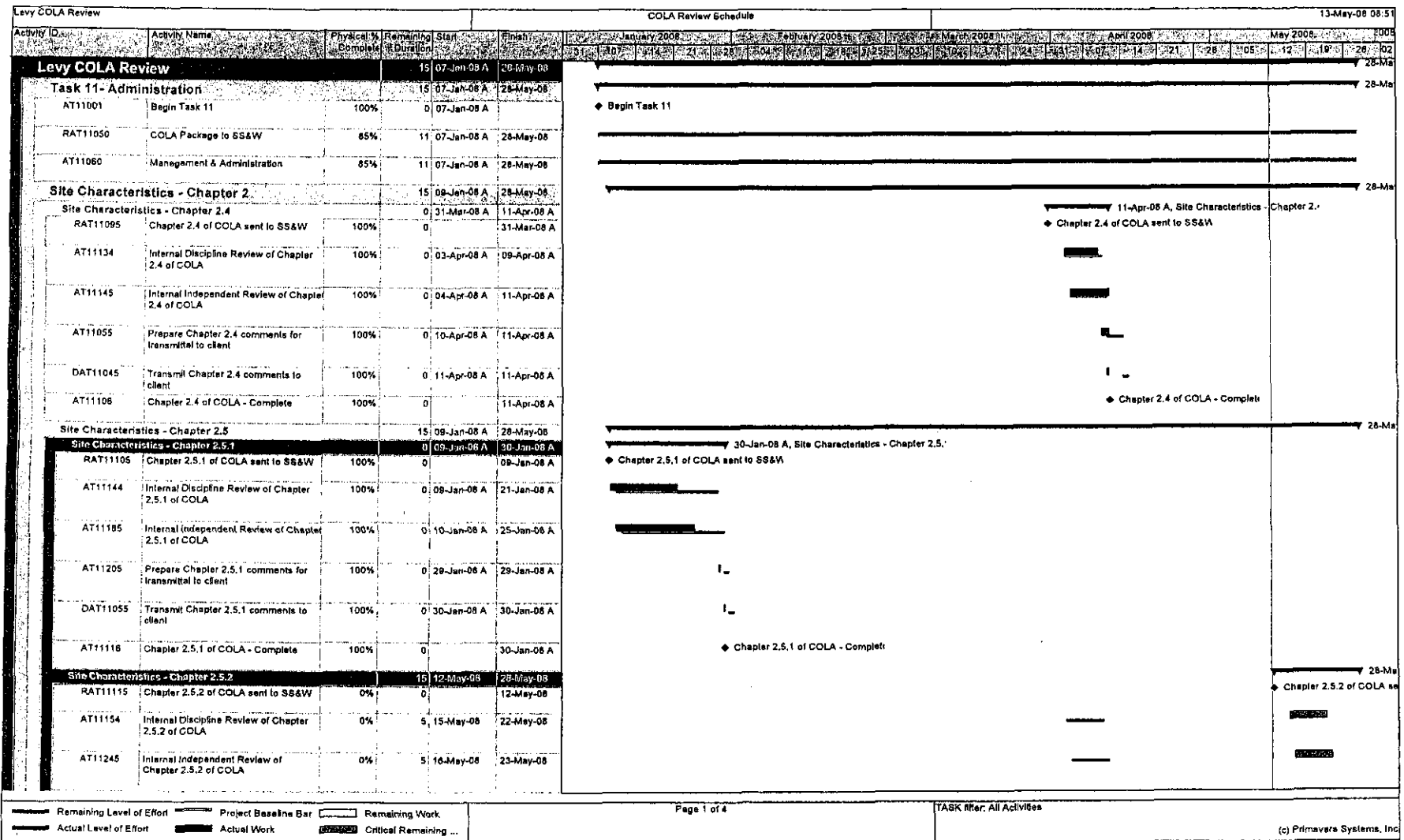
(2) CANNOT BE PROVIDED BY THE REQUESTED DATE BUT WILL BE MADE AVAILABLE BY _____

(3) AND IN MY OPINION, ITEMS(S) 4 5 IS (ARE) PROPRIETARY AND CONFIDENTIAL BUSINESS INFORMATION AS DEFINED IN 364.183, 366.093, OR 367.156 F.S. TO MAINTAIN CONTINUED CONFIDENTIAL HANDLING OF THIS MATERIAL, THE UTILITY OR OTHER PERSON MUST, WITHIN 21 DAYS AFTER THE AUDIT EXIT CONFERENCE, FILE A REQUEST FOR CONFIDENTIAL CLASSIFICATION WITH THE DIVISION OF COMMISSION CLERK AND ADMINISTRATIVE SERVICES. REFER TO RULE 25-22.006, F.A.C.

(4) THE ITEM WILL NOT BE PROVIDED. (SEE ATTACHED MEMORANDUM)

SIGNATURE AND TITLE OF RESPONDENT _____

**PAGES 1 - 30
REDACTED**



Remaining Level of Effort
 Project Baseline Bar
 Remaining Work
 Actual Level of Effort
 Actual Work
 Critical Remaining ...

Levy COLA Review COLA Review Schedule 13-May-08 06:51

Activity ID	Activity Name	Physical % Complete	Remaining Duration	Start	Finish	January 2008												February 2008												March 2008												April 2008												May 2008											
						1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
AT11755	Prepare ER Chapter 1 comments for transmittal to client	100%	0	17-Jan-08 A	17-Jan-08 A																																																												
DAT11735	Transmit ER Chapter 1 comments to Progress Energy	100%	0	17-Jan-08 A	17-Jan-08 A																																																												
AT11785	ER Chapter 1 of COLA - Complete	100%	0		17-Jan-08 A	◆ ER Chapter 1 of COLA - Complete																																																											
Environmental Report - Chapter 2																																																																	
RAT11705	ER Chapter 2 of COLA sent to SS&W	100%	0	27-Mar-08 A	11-Apr-08 A	◆ ER Chapter 2 of COLA sent to SS&W																																																											
AT11775	Internal Discipline Review of ER Chapter 2	100%	0	28-Mar-08 A	04-Apr-08 A																																																												
AT11785	Internal Independent Review of ER Chapter 2	100%	0	01-Apr-08 A	02-Apr-08 A																																																												
AT11795	Prepare ER Chapter 2 comments for transmittal to client	100%	0	07-Apr-08 A	10-Apr-08 A																																																												
DAT11745	Transmit Final ER Chapter 2 comments to Progress Energy	100%	0	11-Apr-08 A	11-Apr-08 A																																																												
AT11805	ER Chapter 2 of COLA - Complete	100%	0		11-Apr-08 A	◆ ER Chapter 2 of COLA - Complete																																																											
Environmental Report - Chapter 3																																																																	
RAT11715	ER Chapter 3 of COLA sent to SS&W	100%	0	30-Jan-08 A	11-Feb-08 A	◆ ER Chapter 3 of COLA sent to SS&W																																																											
AT11815	Internal Discipline Review of ER Chapter 3	100%	0	31-Jan-08 A	06-Feb-08 A																																																												
AT11825	Internal Independent Review of ER Chapter 3	100%	0	01-Feb-08 A	04-Feb-08 A																																																												
AT11835	Prepare ER Chapter 3 comments for transmittal to client	100%	0	11-Feb-08 A	11-Feb-08 A																																																												
DAT11755	Transmit Final ER Chapter 3 comments to Progress Energy	100%	0	11-Feb-08 A	11-Feb-08 A																																																												
AT11845	ER Chapter 3 of COLA - Complete	100%	0		11-Feb-08 A	◆ ER Chapter 3 of COLA - Complete																																																											
Environmental Report - Chapter 4																																																																	
RAT11725	ER Chapter 4 of COLA sent to SS&W	100%	0	01-Apr-08 A	11-Apr-08 A	◆ ER Chapter 4 of COLA sent to SS&W																																																											
AT11885	Internal Independent Review of ER Chapter 4	100%	0	01-Apr-08 A	02-Apr-08 A																																																												
AT11855	Internal Discipline Review of ER Chapter 4	100%	0	01-Apr-08 A	07-Apr-08 A																																																												
AT11875	Prepare ER Chapter 4 comments for transmittal to client	100%	0	10-Apr-08 A	11-Apr-08 A																																																												

CONFIDENTIAL

Activity ID	Activity Name	Physical % Complete	Remaining Duration	Start	Finish	COLA Review Schedule																	
						Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08						
DAT11765	Transmit Final ER Chapter 4 comments to Progress Energy	100%	0	11-Apr-08 A	11-Apr-08 A																		
AT11685	ER Chapter 4 of COLA - Complete	100%	0		11-Apr-08 A																		
LWA & Site Redress Plan																							
RAT11365	LWA & Site Redress Plan of COLA sent to SS&W	100%	0	02-Apr-08 A	16-Apr-08 A																		
AT11405	Internal Independent of LWA & Site Redress Plan	100%	0	03-Apr-08 A	08-Apr-08 A																		
AT11395	Internal Discipline Review of LWA & Site Redress Plan	100%	0	03-Apr-08 A	15-Apr-08 A																		
AT11415	Prepare LWA & Site Redress Plan comments for transmittal to client	100%	0	15-Apr-08 A	15-Apr-08 A																		
DAT11425	Transmit LWA & Site Redress Plan comments to Progress Energy	100%	0	16-Apr-08 A	16-Apr-08 A																		
AT11435	LWA & Site Redress Plan of COLA - Complete	100%	0		16-Apr-08 A																		
Auxiliary Systems - Chapter 9																							
RAT11145	Auxiliary Systems Chapter 9 of COLA sent to SS&W	0%	0	12-May-08	28-May-08																		
AT11155	Internal Discipline Review of Auxiliary Systems Chapter 9	0%	5	15-May-08	22-May-08																		
AT11185	Internal Independent Review of Auxiliary Systems Chapter 9	0%	5	16-May-08	23-May-08																		
AT11175	Prepare Auxiliary Systems Chapter 9 comments for transmittal to client	0%	1	23-May-08	27-May-08																		
DAT11205	Transmit Auxiliary Systems Chapter 9 comments to client	0%	1	27-May-08	28-May-08																		
AT11215	Auxiliary Systems Chapter 9 of COLA - Complete	0%	0		28-May-08																		
COLA Review Completion																							
AT11090	COLA Reviews - Complete	0%	0	28-May-08	28-May-08																		

Remaining Level of Effort
 Project Baseline Bar
 Remaining Work
 Actual Level of Effort
 Actual Work
 Critical Remaining ...

Activity ID	Activity Name	Start	Finish	2008													
				Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
6-30-08 Progress																	
Project Management & Administration																	
PROJ001	SCA & LWA Project Management & Administration Support	11-Feb-08 A	30-Jun-08	SCA & LWA Project Management & Administration Support													
PROJ130	2016 COD Engineering Support Project Management & Administration	01-Apr-08 A	30-Jun-08	2016 COD Engineering Support Project Management & Administration													
Procurement & Logistics																	
PROC001	SCA & LWA Procurement & Logistics Support- Produce LLM Procurement	11-Feb-08 A	30-Jun-08	SCA & LWA Procurement & Logistics Support- Produce LLM Procurement Support													
PROC140	2016 COD Procurement & Logistics Support	01-Apr-08 A	30-Jun-08	2016 COD Procurement & Logistics Support													
Subcontract Administration																	
SUBC150	2016 COD Subcontract Administration Support	01-Apr-08 A	30-Jun-08	2016 COD Subcontract Administration Support													
Document Controls																	
DOC100	SCA & LWA Document Controls Support	11-Feb-08 A	30-Jun-08	SCA & LWA Document Controls Support													
DOC180	2016 COD Document Controls Support	01-Apr-08 A	30-Jun-08	2016 COD Document Controls Support													
Quality Assurance/Quality Control																	
QAQC100	SCA & LWA Quality Assurance/Quality Control Support	11-Feb-08 A	30-Jun-08	SCA & LWA Quality Assurance/Quality Control Support													
QAQC170	2016 COD Quality Assurance/Quality Control Support	01-Apr-08 A	30-Jun-08	2016 COD Quality Assurance/Quality Control Support													
Project Controls																	
PROJ10	SCA & LWA Project Controls Support	11-Feb-08 A	30-Jun-08	SCA & LWA Project Controls Support													
PROJ180	2016 COD Project Controls Support	01-Apr-08 A	30-Jun-08	2016 COD Project Controls Support													
Engineering Management																	
ENG100	SCA & LWA Engineering Management Support	11-Feb-08 A	30-Jun-08	SCA & LWA Engineering Management Support													
ENG190	2016 COD Engineering Management Support	01-Apr-08 A	30-Jun-08	2016 COD Engineering Management Support													
Licensing Engineer																	
LIC100	SCA & LWA Licensing Engineer Support	11-Feb-08 A	30-Jun-08	SCA & LWA Licensing Engineer Support													
LIC200	2016 COD Licensing Engineer Support	01-Apr-08 A	30-Jun-08	2016 COD Licensing Engineer Support													
SCA - Systems Engineering																	
PROJ100	Begin SCA & LWA Engineering Support	11-Feb-08 A	30-Jun-08	Begin SCA & LWA Engineering Support													
PROJ110	Begin 2016 COD Engineering Support	01-Apr-08 A	30-Jun-08	Begin 2016 COD Engineering Support													
PROJ140	Finalize - Identification & Classification of Price Reduction Opportunities		30-May-08*	Finalize - Identification & Classification of Price Reduction Opportunities													
PROJ200	SCA & LWA Support Complete		30-Jun-08	SCA & LWA Support Complete													
PROJ120	End 2016 COD Engineering Support		30-Jun-08*	End 2016 COD Engineering Support													
CWS		27-Mar-08 A	30-Jun-08														
System Dsgn Checklist																	
CWSSDC101	2016 COD System Dsgn Checklist	01-Apr-08 A	30-Jun-08	2016 COD System Dsgn Checklist													
SSD		27-Mar-08 A	30-Jun-08														
CWSSDE150	CWS - Provide Electrical Input into SSD	27-Mar-08 A	12-May-08	CWS - Provide Electrical Input into SSD													
CWSSDI160	CWS - Provide I&C Input into SSD	27-Mar-08 A	12-May-08	CWS - Provide I&C Input into SSD													
CWSSDC170	CWS - Provide Civil Input into SSD	27-Mar-08 A	12-May-08	CWS - Provide Civil Input into SSD													
CWSSSD100	CWS - Prep SSD	27-Mar-08 A	12-May-08	CWS - Prep SSD													
CWSSSD110	CWS - Internal Review SSD	13-May-08	22-May-08	CWS - Internal Review SSD													
CWSSSD120	CWS - Incorporate Comments SSD from Internal Review	23-May-08	30-May-08	CWS - Incorporate Comments SSD from Internal Review													

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Activity ID	Activity Name	Start	Finish	2008	2009
		Mar	Apr	May	Jun
CWSSSD160	CWS - Client Review SSD	02-Jun-08	13-Jun-08		<input type="checkbox"/> CWS - Client Review SSD
CWSSSD150	CWS - Incorporate Comments SSD from Client Review	16-Jun-08	23-Jun-08		<input type="checkbox"/> CWS - Incorporate Comments SSD from Client Review
CWSSSD130	CWS - Approve/Issue SSD	24-Jun-08	30-Jun-08		<input type="checkbox"/> CWS - Approve/Issue SSD
CWSSSD140	CWS - SSD - Complete		30-Jun-08		<input checked="" type="checkbox"/> CWS - SSD - Complete
Calcs					
		27-Mar-08 A	04-Jun-08		
Mechanical Calcs					
CWSME150	CWS - Prep Mechanical Calcs	27-Mar-08 A	04-Jun-08		<input type="checkbox"/> CWS - Prep Mechanical Calcs
CWSME160	CWS - Review Mechanical Calcs	13-May-08	22-May-08		<input type="checkbox"/> CWS - Review Mechanical Calcs
CWSME170	CWS - Incorporate Comments Mechanical Calcs	23-May-08	28-May-08		<input type="checkbox"/> CWS - Incorporate Comments Mechanical Calcs
CWSME180	CWS - Approve/Issue Mechanical Calcs	30-May-08	04-Jun-08		<input type="checkbox"/> CWS - Approve/Issue Mechanical Calcs
CWSME190	CWS - Mechanical Calcs - Complete		04-Jun-08		<input checked="" type="checkbox"/> CWS - Mechanical Calcs - Complete
Dwgs					
		03-Apr-08 A	30-Jun-08		
P&ID's					
		03-Apr-08 A	30-Jun-08		
CWSME200	CWS - Prep P&ID's	03-Apr-08 A	12-May-08		<input type="checkbox"/> CWS - Prep P&ID's
CWSELE300	CWS - Provide Electrical Input to P&ID's	03-Apr-08 A	12-May-08		<input type="checkbox"/> CWS - Provide Electrical Input to P&ID's
CWSICE310	CWS - Provide I&C Input to P&ID's	03-Apr-08 A	12-May-08		<input type="checkbox"/> CWS - Provide I&C Input to P&ID's
CWSME210	CWS - Internal Review P&ID's	13-May-08	27-May-08		<input type="checkbox"/> CWS - Internal Review P&ID's
CWSME220	CWS - Incorporate Comments P&ID's from Internal Review	28-May-08	10-Jun-08		<input type="checkbox"/> CWS - Incorporate Comments P&ID's from Internal Review
CWSME300	CWS - Client Review P&ID's	11-Jun-08	24-Jun-08		<input type="checkbox"/> CWS - Client Review P&ID's
CWSME310	CWS - Incorporate Comments P&ID's from Client Review	25-Jun-08	26-Jun-08		<input type="checkbox"/> CWS - Incorporate Comments P&ID's from Client Review
CWSME230	CWS - Approve/Issue P&ID's	27-Jun-08	30-Jun-08		<input type="checkbox"/> CWS - Approve/Issue P&ID's
CWSME240	CWS - P&ID's - Complete		30-Jun-08		<input checked="" type="checkbox"/> CWS - P&ID's - Complete
Piping Plan, Sections, & Profile Dwgs					
		16-May-08	30-Jun-08		
CWSME250	CWS - Prep Piping Plan, Sections, & Profile Dwgs	16-May-08	06-Jun-08		<input type="checkbox"/> CWS - Prep Piping Plan, Sections, & Profile Dwgs
CWSME260	CWS - Review Piping Plan, Sections, & Profile Dwgs	09-Jun-08	18-Jun-08		<input type="checkbox"/> CWS - Review Piping Plan, Sections, & Profile Dwgs
CWSME270	CWS - Incorporate Comments Piping Plan, Sections, & Profile Dwgs	19-Jun-08	24-Jun-08		<input type="checkbox"/> CWS - Incorporate Comments Piping Plan, Sections, & Profile Dwgs
CWSME280	CWS - Approve/Issue Piping Plan, Sections, & Profile Dwgs	25-Jun-08	30-Jun-08		<input type="checkbox"/> CWS - Approve/Issue Piping Plan, Sections, & Profile Dwgs
CWSME290	CWS - Piping Plan, Sections, & Profile Dwgs - Complete		30-Jun-08		<input checked="" type="checkbox"/> CWS - Piping Plan, Sections, & Profile Dwgs - Complete
Civil Underground Support					
		12-May-08	30-Jun-08		
CWSCSE290	CWS - Prep Underground Pipe Support Dwgs	12-May-08	06-Jun-08		<input type="checkbox"/> CWS - Prep Underground Pipe Support Dwgs
CWSCSE300	CWS - Review Underground Pipe Support Dwgs	09-Jun-08	16-Jun-08		<input type="checkbox"/> CWS - Review Underground Pipe Support Dwgs
CWSCSE310	CWS - Incorporate Comments Underground Pipe Support Dwgs	17-Jun-08	24-Jun-08		<input type="checkbox"/> CWS - Incorporate Comments Underground Pipe Support Dwgs
CWSCSE320	CWS - Approve/Issue Underground Pipe Support Dwgs	25-Jun-08	30-Jun-08		<input type="checkbox"/> CWS - Approve/Issue Underground Pipe Support Dwgs
CWSCSE370	CWS - Underground Pipe Support Dwgs - Complete		30-Jun-08		<input checked="" type="checkbox"/> CWS - Underground Pipe Support Dwgs - Complete
Electrical One Lines, Load Lists, & Three Lines					
		01-May-08 A	18-Jun-08		
CWSEE340	CWS - Prep Electrical One Lines, Load Lists, & Three Lines	01-May-08 A	22-May-08		<input type="checkbox"/> CWS - Prep Electrical One Lines, Load Lists, & Three Lines
CWSEE350	CWS - Review Electrical One Lines, Load Lists, & Three Lines	23-May-08	04-Jun-08		<input type="checkbox"/> CWS - Review Electrical One Lines, Load Lists, & Three Lines
CWSEE360	CWS - Incorporate Comments Electrical One Lines, Load Lists, & Three Lines	05-Jun-08	12-Jun-08		<input type="checkbox"/> CWS - Incorporate Comments Electrical One Lines, Load Lists, & Three Lines
CWSEE370	CWS - Approve/Issue Electrical One Lines, Load Lists, & Three Lines	13-Jun-08	16-Jun-08		<input type="checkbox"/> CWS - Approve/Issue Electrical One Lines, Load Lists, & Three Lines
CWSEE380	CWS - Electrical One Lines, Load Lists, & Three Lines - Complete		16-Jun-08		<input checked="" type="checkbox"/> CWS - Electrical One Lines, Load Lists, & Three Lines - Complete

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Progress Energy	Date	Revision	Checked	Approved
Levy Site	07-May-08			

CONFIDENTIAL

Activity ID	Activity Name	Start	Finish	2008	2009
				Jan	Feb
Specs					
Erection Specs					
CWSCSE330	CWS - Prep Erection Specs	16-May-08	30-Jun-08		
CWSCSE340	CWS - Review Erection Specs	16-Jun-08	20-Jun-08		
CWSCSE350	CWS - Incorporate Comments Erection Specs	23-Jun-08	25-Jun-08		
CWSCSE380	CWS - Approve/Issue Erection Specs	26-Jun-08	30-Jun-08		
CWSCSE380	CWS - Erection Specs - Complete		30-Jun-08		
Pipe Procurement Specification					
CWSME171	CWS - Prepare Pipe Procurement Specification - COD 2016	02-Jun-08	13-Jun-08		
CWSME181	CWS - Review Pipe Procurement Specification - COD 2016	16-Jun-08	20-Jun-08		
CWSME191	CWS - Incorporate Comments Pipe Procurement Specification - COD 2016	23-Jun-08	27-Jun-08		
CWSME201	CWS - Approve/Issue Pipe Procurement Specification - COD 2016	30-Jun-08	30-Jun-08		
CWSME211	CWS - Pipe Procurement Specification - COD 2016 Complete		30-Jun-08		
DRS					
DRSSDC121	2016 COD - Support Price Reduction Evaluations	11-Feb-08 A	30-Jun-08		
DRSSDC111	2016 COD System Dagn Checklist	01-Apr-08 A	30-Jun-08		
SSD					
DRSSSD360	DRS - Prep SSD	11-Feb-08 A	09-May-08		
DRSSSD390	DRS - Review SSD	18-Apr-08 A	01-May-08 A		
DRSSSD400	DRS - Incorporate Comments SSD	01-May-08 A	02-May-08 A		
DRSSSD410	DRS - Approve/Issue SSD	05-May-08	09-May-08		
DRSSSD420	DRS - SSD - Complete		09-May-08		
Cales					
Building Roof Drainage					
DRSCSE680	DRS - Prep Building Roof Drainage Calc	19-May-08	04-Jun-08		
DRSCSE690	DRS - Review Building Roof Drainage Calc	05-Jun-08	10-Jun-08		
DRSCSE700	DRS - Incorporate Comments Building Roof Drainage Calc	11-Jun-08	16-Jun-08		
DRSCSE710	DRS - Approve/Issue Building Roof Drainage Calc	17-Jun-08	19-Jun-08		
DRSCSE720	DRS - Building Roof Drainage Calc - Complete		19-Jun-08		
Culverts Dagn					
DRSCSE430	DRS - Prep Culverts Dagn Calc	16-Apr-08 A	28-Apr-08 A		
DRSCSE440	DRS - Review Culverts Dagn Calc	30-Apr-08 A	01-May-08 A		
DRSCSE450	DRS - Incorporate Comments Culverts Dagn Calc	01-May-08 A	02-May-08 A		
DRSCSE460	DRS - Approve/Issue Culverts Dagn Calc	05-May-08	06-May-08		
DRSCSE470	DRS - Culverts Dagn Calc - Complete		06-May-08		
Drainage Pipe Calc					
DRSCSE480	DRS - Prep Drainage Pipe Dagn Calc	28-Apr-08 A	30-Apr-08 A		
DRSCSE490	DRS - Review Drainage Pipe Dagn Calc	30-Apr-08 A	01-May-08 A		
DRSCSE500	DRS - Incorporate Comments Drainage Pipe Dagn Calc	02-May-08 A	02-May-08 A		

Legend for Gantt chart symbols:

- ▬ CWS - Prep Erection Specs
- CWS - Review Erection Specs
- ◻ CWS - Incorporate Comments Erection Specs
- ◻ CWS - Approve/Issue Erection Specs
- ◆ CWS - Erection Specs - Complete
- ▬ CWS - Prepare Pipe Procurement Specification - COD 2016
- CWS - Review Pipe Procurement Specification - COD 2016
- ◻ CWS - Incorporate Comments Pipe Procurement Specification - COD 2016
- ◻ CWS - Approve/Issue Pipe Procurement Specification - COD 2016
- ◆ CWS - Pipe Procurement Specification - COD 2016 Complete
- ▬ 2016 COD - Support Price Reduction Evaluation
- ▬ 2016 COD System Dagn Checklist
- ▬ DRS - Prep SSD
- ▬ DRS - Review SSD
- ▬ DRS - Incorporate Comments SSD
- ◻ DRS - Approve/Issue SSD
- ◆ DRS - SSD - Complete
- ▬ DRS - Prep Building Roof Drainage Calc
- DRS - Review Building Roof Drainage Calc
- ◻ DRS - Incorporate Comments Building Roof Drainage Calc
- ◻ DRS - Approve/Issue Building Roof Drainage Calc
- ◆ DRS - Building Roof Drainage Calc - Complete
- ▬ DRS - Prep Culverts Dagn Calc
- ▬ DRS - Review Culverts Dagn Calc
- ▬ DRS - Incorporate Comments Culverts Dagn Calc
- ◻ DRS - Approve/Issue Culverts Dagn Calc
- ◆ DRS - Culverts Dagn Calc - Complete
- ▬ DRS - Prep Drainage Pipe Dagn Calc
- ▬ DRS - Review Drainage Pipe Dagn Calc
- ▬ DRS - Incorporate Comments Drainage Pipe Dagn Calc

Progress Energy	Date	Revision	Checked	Approved
Levy Site	07-May-08			

Activity No	Activity Name	Start	Finish	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
DRSCSE510	DRS - Approve/Issue Drainage Pipe Dsgn Calc	05-May-08	08-May-08														
DRSCSE520	DRS - Drainage Pipe Dsgn Calc - Complete		08-May-08														
Drop Inlet Capacity Dsgn		28-Apr-08 A	06-May-08														
DRSCSE530	DRS - Prep Drop Inlet Capacity Dsgn Calc	28-Apr-08 A	29-Apr-08 A														
DRSCSE540	DRS - Review Drop Inlet Capacity Dsgn Calc	30-Apr-08 A	01-May-08 A														
DRSCSE550	DRS - Incorporate Comments Drop Inlet Capacity Dsgn Calc	01-May-08 A	02-May-08 A														
DRSCSE560	DRS - Approve/Issue Drop Inlet Capacity Dsgn Calc	05-May-08	06-May-08														
DRSCSE570	DRS - Drop Inlet Capacity Dsgn Calc - Complete		06-May-08														
Storm Water Mngmnt Basins		27-Mar-08 A	02-May-08 A														
DRSCSE580	DRS - Prep Storm Water Mngmnt Basins Calc	27-Mar-08 A	28-Apr-08 A														
DRSCSE590	DRS - Review Storm Water Mngmnt Basins Calc	29-Apr-08 A	30-Apr-08 A														
DRSCSE600	DRS - Incorporate Comments Storm Water Mngmnt Basins Calc	01-May-08 A	01-May-08 A														
DRSCSE610	DRS - Approve/Issue Storm Water Mngmnt Basins Calc	01-May-08 A	02-May-08 A														
DRSCSE620	DRS - Storm Water Mngmnt Basins Calc - Complete		02-May-08 A														
Alternative Water Quality BMP's		31-Mar-08 A	25-Apr-08 A														
DRSCSE630	DRS - Prepare Alternative Water Quality BMP's Calc	31-Mar-08 A	14-Apr-08 A														
DRSCSE640	DRS - Review Alternative Water Quality BMP's Calc	14-Apr-08 A	17-Apr-08 A														
DRSCSE650	DRS - Incorporate Comments Alternative Water Quality BMP's Calc	21-Apr-08 A	23-Apr-08 A														
DRSCSE660	DRS - Approve/Issue Alternative Water Quality BMP's Calc	24-Apr-08 A	25-Apr-08 A														
DRSCSE670	DRS - Water Quality BMP's Calc - Complete		25-Apr-08 A														
Drainage Ditch Dsgn		03-Apr-08 A	02-May-08 A														
DRSCSE730	DRS - Prep Drainage Ditch Dsgn Calc	03-Apr-08 A	14-Apr-08 A														
DRSCSE740	DRS - Review Drainage Ditch Dsgn Calc	15-Apr-08 A	21-Apr-08 A														
DRSCSE750	DRS - Incorporate Comments Drainage Ditch Dsgn Calc	22-Apr-08 A	23-Apr-08 A														
DRSCSE760	DRS - Approve/Issue Drainage Ditch Dsgn Calc	24-Apr-08 A	01-May-08 A														
DRSCSE770	DRS - Drainage Ditch Dsgn Calc - Complete		02-May-08 A														
Energy Dissipaters		31-Mar-08 A	02-May-08 A														
DRSCSE780	DRS - Prep Energy Dissipaters Calc	31-Mar-08 A	15-Apr-08 A														
DRSCSE790	DRS - Review Energy Dissipaters Calc	16-Apr-08 A	21-Apr-08 A														
DRSCSE800	DRS - Incorporate Comments Energy Dissipaters Calc	22-Apr-08 A	23-Apr-08 A														
DRSCSE810	DRS - Approve/Issue Energy Dissipaters Calc	24-Apr-08 A	01-May-08 A														
DRSCSE820	DRS - Energy Dissipaters Calc - Complete		02-May-08 A														
Riprap Outlet Protection		03-Apr-08 A	02-May-08 A														
DRSCSE830	DRS - Prep Riprap Outlet Protection Calc	03-Apr-08 A	29-Apr-08 A														
DRSCSE840	DRS - Review Riprap Outlet Protection Calc	29-Apr-08 A	30-Apr-08 A														
DRSCSE850	DRS - Incorporate Comments Riprap Outlet Protection Calc	01-May-08 A	01-May-08 A														
DRSCSE860	DRS - Approve/Issue Riprap Outlet Protection Calc	02-May-08 A	02-May-08 A														
DRSCSE870	DRS - Riprap Outlet Protection Calc - Complete		02-May-08 A														
Dwgs		10-Mar-08 A	12-Jun-08														
PAID'S		10-Mar-08 A	23-May-08														

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4 - 19	Progress Energy	Date	Revision	Checked	Approved
	Levy Site	07-May-08			

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SCA LWA & 2016 CDD Support Schedule SCA & LWA Support & 2016 CDD Support 07-May-08 07:34

Activity ID	Activity Name	Start	Finish	2007	2008
		Mar	Apr	May	Jun
DRSCSE880	DRS - Prep P&ID's	10-Mar-08 A	08-May-08		
DRSCSE890	DRS - Review P&ID's	09-May-08	16-May-08		
DRSCSE900	DRS - Incorporate Comments P&ID's	19-May-08	22-May-08		
DRSCSE910	DRS - Approve/Issue P&ID's	23-May-08	28-May-08		
DRSCSE920	DRS - P&ID's - Complete		28-May-08		
Piping Plan, Sections, & Profile Dwg's					
DRSCSE930	DRS - Prep Piping Plan, Sections, & Profile Dwg's	24-Apr-08 A	22-May-08		
DRSCSE940	DRS - Review Piping Plan, Sections, & Profile Dwg's	08-May-08	13-May-08		
DRSCSE950	DRS - Incorporate Comments Piping Plan, Sections, & Profile Dwg's	14-May-08	19-May-08		
DRSCSE960	DRS - Approve/Issue Piping Plan, Sections, & Profile Dwg's	20-May-08	22-May-08		
DRSCSE1010	DRS - Piping Plan, Sections, & Profile Dwg's - Complete		22-May-08		
Existing Conditions Plan, Pre-Development					
DRSCSE970	DRS - Prep Existing Conditions Plan, Pre-Development	02-May-08 A	21-May-08		
DRSCSE980	DRS - Review Piping Plan, Sections, & Profile Dwg's	13-May-08	15-May-08		
DRSCSE990	DRS - Incorporate Comments Piping Plan, Sections, & Profile Dwg's	16-May-08	18-May-08		
DRSCSE1000	DRS - Approve/Issue Piping Plan, Sections, & Profile Dwg's	20-May-08	21-May-08		
DRSCSE1050	DRS - Piping Plan, Sections, & Profile Dwg's - Complete		21-May-08		
Construction Storm Water Mngmnt Plan - Proposed Contours tying into Existing Contours					
DRSCSE1020	DRS - Prep Construction Storm Water Mngmnt Plan - Proposed Contours	28-Apr-08 A	04-May-08		
DRSCSE1030	DRS - Review Construction Storm Water Mngmnt Plan - Proposed Contou	30-Apr-08 A	01-May-08 A		
DRSCSE1040	DRS - Incorporate Comments Construction Storm Water Mngmnt Plan - P	02-May-08 A	02-May-08 A		
DRSCSE1050	DRS - Approve/Issue Construction Storm Water Mngmnt Plan - Proposed	05-May-08	06-May-08		
DRSCSE1110	DRS - Construction Storm Water Mngmnt Plan - Proposed Contours tying		06-May-08		
Construction Storm Water Mngmnt Sections & Details					
DRSCSE1070	DRS - Prep Construction Storm Water Mngmnt Sections & Details	29-May-08	02-Jun-08		
DRSCSE1080	DRS - Review Construction Storm Water Mngmnt Sections & Details	03-Jun-08	04-Jun-08		
DRSCSE1090	DRS - Incorporate Comments Construction Storm Water Mngmnt Section	05-Jun-08	06-Jun-08		
DRSCSE1100	DRS - Approve/Issue Construction Storm Water Mngmnt Sections & Detail	08-Jun-08	09-Jun-08		
DRSCSE1160	DRS - Construction Storm Water Mngmnt Sections & Details - Complete		09-Jun-08		
Permanent Storm Water Mngmnt Plan - Horizontal SW Dwg's & Vertical Profiles					
DRSCSE1120	DRS - Prep Permanent Storm Water Mngmnt Plan - Horizontal SW Dwg's	24-Apr-08 A	06-May-08		
DRSCSE1130	DRS - Review Permanent Storm Water Mngmnt Plan - Horizontal SW Dw	07-May-08	12-May-08		
DRSCSE1140	DRS - Incorporate Comments Permanent Storm Water Mngmnt Plan - Hor	13-May-08	16-May-08		
DRSCSE1150	DRS - Approve/Issue Permanent Storm Water Mngmnt Plan - Horizontal S	19-May-08	21-May-08		
DRSCSE1210	DRS - Permanent Storm Water Mngmnt Plan - Horizontal SW Dwg's & Ver		21-May-08		
Permanent Storm Water Mngmnt Sections & Details					
DRSCSE1170	DRS - Prep Permanent Storm Water Mngmnt Sections & Details	19-May-08	29-May-08		
DRSCSE1180	DRS - Review Permanent Storm Water Mngmnt Sections & Details	30-May-08	04-Jun-08		
DRSCSE1190	DRS - Incorporate Comments Permanent Storm Water Mngmnt Sections	05-Jun-08	10-Jun-08		
DRSCSE1200	DRS - Approve/Issue Permanent Storm Water Mngmnt Sections & Details	11-Jun-08	12-Jun-08		

Activity ID	Activity Name	Start	Finish	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
ECSSSD400	ECS - Incorporate Comments SSD	15-May-08	20-May-08													
ECSSSD410	ECS - Approve/Issue SSD	21-May-08	22-May-08													
ECSSSD420	ECS - SSD - Complete		22-May-08													
Calcs																
Electrical Calcs																
ECSEE430	ECS - Prep Electrical Calcs	18-Apr-08 A	09-Jun-08													
ECSEE440	ECS - Review Electrical Calcs	18-Apr-08 A	09-Jun-08													
ECSEE450	ECS - Incorporate Comments Electrical Calcs	18-May-08	28-May-08													
ECSEE460	ECS - Approve/Issue Electrical Calcs	29-May-08	03-Jun-08													
ECSEE470	ECS - Electrical Calcs - Complete	04-Jun-08	09-Jun-08													
Dwgs																
Duct Bank Civil Underground Support																
ECSCSE480	ECS - Prep Duct Bank Underground Support Dwg	11-Apr-08 A	30-Jun-08													
ECSELE530	ECS - Provide Electrical Input to Duct Bank U/G Support Dwg	21-May-08	06-Jun-08													
ECSCSE490	ECS - Review Duct Bank Underground Support Dwg	09-Jun-08	17-Jun-08													
ECSCSE500	ECS - Incorporate Comments Duct Bank Underground Support Dwg	18-Jun-08	20-Jun-08													
ECSCSE510	ECS - Approve/Issue Duct Bank Underground Support Dwg	23-Jun-08	25-Jun-08													
ECSCSE520	ECS - Duct Bank Underground Support Dwg - Complete	23-Jun-08	25-Jun-08													
Electrical One Lines, Load List, & Three Lines																
ECSEE530	ECS - Prep Electrical One Lines, Load List, & Three Lines	11-Apr-08 A	30-Jun-08													
ECSEE540	ECS - Review Electrical One Lines, Load List, & Three Lines	09-Jun-08	17-Jun-08													
ECSEE550	ECS - Incorporate Comments Electrical One Lines, Load List, & Three Lines	18-Jun-08	25-Jun-08													
ECSEE560	ECS - Approve/Issue Electrical One Lines, Load List, & Three Lines	26-Jun-08	30-Jun-08													
ECSEE570	ECS - Electrical One Lines, Load List, & Three Lines - Complete	26-Jun-08	30-Jun-08													
EGS																
SSD																
EGSSSD580	EGS - Prep SSD	11-Feb-08 A	16-May-08													
EGSSSD630	EGS - Provide Civil Input to SSD	11-Feb-08 A	05-May-08													
EGSSSD690	EGS - Review SSD	08-May-08	09-May-08													
EGSSSD800	EGS - Incorporate Comments SSD	12-May-08	14-May-08													
EGSSSD810	EGS - Approve/Issue SSD	13-May-08	16-May-08													
EGSSSD620	EGS - SSD - Complete	13-May-08	16-May-08													
Dwgs																
GA Dwgs																
EGSEE630	EGS - Prep General Arrangement Dwgs	19-May-08	02-Jun-08													
EGSEE640	EGS - Review General Arrangement Dwgs	19-May-08	19-Jun-08													
EGSEE650	EGS - Incorporate Comments General Arrangement Dwgs	03-Jun-08	11-Jun-08													
EGSEE660	EGS - Approve/Issue General Arrangement Dwgs	12-Jun-08	17-Jun-08													
EGSEE670	EGS - General Arrangement Dwgs - Complete	18-Jun-08	19-Jun-08													
PWS																
		17-Mar-08 A	25-Jun-08													

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Activity ID	Activity Name	Start	Finish	2008															
				Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb			
SSD																			
PWSSD680	PWS - Prep SSD	17-Mar-08 A	22-Apr-08 A				█												
PWSSD6730	PWS - Provide Electrical Input to SSD	17-Mar-08 A	22-Apr-08 A				█												
PWSSDI740	PWS - Provide I&C Input to SSD	17-Mar-08 A	22-Apr-08 A				█												
PWSSDC750	PWS - Provide Civil Input to SSD	17-Mar-08 A	22-Apr-08 A				█												
PWSSD690	PWS - Review SSD	23-Apr-08 A	08-May-08					█											
PWSSD700	PWS - Incorporate Comments SSD	08-May-08	22-May-08						█										
PWSSD710	PWS - Approve/Issue SSD	23-May-08	29-May-08							█									
PWSSD720	PWS - SSD - Complete		29-May-08								█								
Calcs																			
Mechanical Calcs																			
PWSME720	PWS - Prep Mechanical Calcs	23-May-08	19-Jun-08																
PWSME730	PWS - Review Mechanical Calcs	05-Jun-08	11-Jun-08																
PWSME740	PWS - Incorporate Comments Mechanical Calcs	12-Jun-08	16-Jun-08																
PWSME750	PWS - Approve/Issue Mechanical Calcs	17-Jun-08	19-Jun-08																
PWSME760	PWS - Mechanical Calcs - Complete		19-Jun-08																
Dwgs																			
P&ID's																			
PWSME770	PWS - Prep P&ID's	03-Apr-08 A	09-May-08																
PWSELE870	PWS - Provide Electrical Input to P&ID's	03-Apr-08 A	08-May-08																
PWSICE880	PWS - Provide I&C Input to P&ID's	03-Apr-08 A	08-May-08																
PWSME780	PWS - Review P&ID's	12-May-08	23-May-08																
PWSME790	PWS - Incorporate Comments P&ID's	27-May-08	02-Jun-08																
PWSME800	PWS - Approve/Issue P&ID's	03-Jun-08	08-Jun-08																
PWSME810	PWS - P&ID's - Complete		09-Jun-08																
Piping Layout Dwgs																			
PWSME820	PWS - Prep Piping Layout Dwgs	11-Apr-08 A	25-Jun-08																
PWSME830	PWS - Review Piping Layout Dwgs	13-May-08	03-Jun-08																
PWSME840	PWS - Incorporate Comments Piping Layout Dwgs	04-Jun-08	13-Jun-08																
PWSME850	PWS - Approve/Issue Piping Layout Dwgs	16-Jun-08	25-Jun-08																
PWSME860	PWS - Piping Layout Dwgs - Complete		25-Jun-08																
RWS																			
SSD																			
RWSSD670	RWS - Prep SSD	03-Apr-08 A	30-Jun-08																
RWSSD6920	RWS - Provide Electrical Input to SSD	03-Apr-08 A	01-May-08 A																
RWSSDI930	RWS - Provide I&C Input to SSD	03-Apr-08 A	01-May-08 A																
RWSSDC840	RWS - Provide Civil Input to SSD	03-Apr-08 A	01-May-08 A																
RWSSD880	RWS - Internal Review SSD	02-May-08 A	13-May-08																
RWSSD890	RWS - Incorporate Comments SSD from Internal Review	14-May-08	23-May-08																
RWSSD920	RWS - Client Review SSD	27-May-08	06-Jun-08																

Activity Name	Start	Finish	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
RWSSD930 RWS - Incorporate Comments SSD from Client Review	09-Jun-08	16-Jun-08													
RWSSD900 RWS - Approve/Issue SSD	17-Jun-08	30-Jun-08													
RWSSD910 RWS - SSD - Complete		30-Jun-08													
Calcs	07-Apr-08 A	06-Jun-08													
Mechanical Calcs	07-Apr-08 A	06-Jun-08													
RWSME920 RWS - Prep Mechanical Calcs	07-Apr-08 A	14-May-08													
RWSME930 RWS - Review Mechanical Calcs	15-May-08	22-May-08													
RWSME940 RWS - Incorporate Comments Mechanical Calcs	23-May-08	02-Jun-08													
RWSME950 RWS - Approve/Issue Mechanical Calcs	03-Jun-08	06-Jun-08													
RWSME960 RWS - Mechanical Calcs - Complete		06-Jun-08													
Dwgs	04-Apr-08 A	30-Jun-08													
P&ID's	04-Apr-08 A	30-Jun-08													
RWSME970 RWS - Prep P&ID's	04-Apr-08 A	07-May-08													
RWSSE1070 RWS - Provide Electrical Input to P&ID's	04-Apr-08 A	07-May-08													
RWSICE1080 RWS - Provide I&C Input to P&ID's	04-Apr-08 A	07-May-08													
RWSME980 RWS - Internal Review P&ID's	08-May-08	27-May-08													
RWSME990 RWS - Incorporate Comments P&ID's from Internal Review	28-May-08	02-Jun-08													
RWSME1070 RWS - Client Review P&ID's	03-Jun-08	16-Jun-08													
RWSME1080 RWS - Incorporate Comments P&ID's from Client Review	17-Jun-08	20-Jun-08													
RWSME1000 RWS - Approve/Issue P&ID's	23-Jun-08	30-Jun-08													
RWSME1010 RWS - P&ID's - Complete		30-Jun-08													
Piping Layout Dwgs	17-Apr-08 A	27-Jun-08													
RWSME1020 RWS - Prep Piping Layout Dwgs	17-Apr-08 A	28-May-08													
RWSME1030 RWS - Review Piping Layout Dwgs	30-May-08	12-Jun-08													
RWSME1040 RWS - Incorporate Comments Piping Layout Dwgs	13-Jun-08	20-Jun-08													
RWSME1050 RWS - Approve/Issue Piping Layout Dwgs	23-Jun-08	27-Jun-08													
RWSME1060 RWS - Piping Layout Dwgs - Complete		27-Jun-08													
SSD	11-Feb-08 A	30-Jun-08													
SSD	11-Feb-08 A	10-Jun-08													
SDSSD1070 SDS - Prep SSD	11-Feb-08 A	05-May-08													
SDSSDE1120 SDS - Provide Electrical Input to SSD	11-Feb-08 A	05-May-08													
SDSSDI1130 SDS - Provide I&C Input to SSD	11-Feb-08 A	05-May-08													
SDSSDC1140 SDS - Provide Civil Input to SSD	11-Feb-08 A	05-May-08													
SDSSD1080 SDS - Review SSD	06-May-08	18-May-08													
SDSSD1090 SDS - Incorporate Comments SSD	20-May-08	03-Jun-08													
SDSSD1100 SDS - Approve/Issue SSD	04-Jun-08	10-Jun-08													
SDSSD1110 SDS - SSD - Complete		10-Jun-08													
Calcs	27-May-08	26-Jun-08													
Mechanical Calcs	27-May-08	26-Jun-08													
SDSME1120 SDS - Prep Mechanical Calcs	27-May-08	09-Jun-08													

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Progress Energy	Date	Revision	Checked	Approved
Levy Site	07-May-08			

Activity ID	Activity Name	Start	Finish	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008
				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
SDSME1130	SDS - Review Mechanical Calcs	10-Jun-08	18-Jun-08												
SDSME1140	SDS - Incorporate Comments Mechanical Calcs	18-Jun-08	23-Jun-08												
SDSME1150	SDS - Approve/Issue Mechanical Calcs	24-Jun-08	28-Jun-08												
SDSME1160	SDS - Mechanical Calcs - Complete														
Dwgs		03-Apr-08 A	30-Jun-08												
P&ID's		03-Apr-08 A	15-May-08												
SDSME1170	SDS - Prep P&ID's	03-Apr-08 A	21-Apr-08 A												
SDSELE1270	SDS - Provide Electrical Input to P&ID's	03-Apr-08 A	21-Apr-08 A												
SDSICE1280	SDS - Provide I&C Input to P&ID's	03-Apr-08 A	21-Apr-08 A												
SDSME1180	SDS - Review P&ID's	22-Apr-08 A	05-May-08												
SDSME1190	SDS - Incorporate Comments P&ID's	06-May-08	08-May-08												
SDSME1200	SDS - Approve/Issue P&ID's	09-May-08	15-May-08												
SDSME1210	SDS - P&ID's - Complete		15-May-08												
Piping Layout Dwgs		07-Apr-08 A	30-Jun-08												
SDSME1220	SDS - Prep Piping Layout Dwgs	07-Apr-08 A	03-Jun-08												
SDSME1230	SDS - Review Piping Layout Dwgs	04-Jun-08	17-Jun-08												
SDSME1240	SDS - Incorporate Comments Piping Layout Dwgs	18-Jun-08	24-Jun-08												
SDSME1250	SDS - Approve/Issue Piping Layout Dwgs	25-Jun-08	30-Jun-08												
SDSME1260	SDS - Piping Layout Dwgs - Complete		30-Jun-08												
WWS		11-Feb-08 A	30-Jun-08												
SSD		11-Feb-08 A	30-Jun-08												
WWS SSD1270	WWS - Prep SSD	11-Feb-08 A	14-Apr-08 A												
WWS SSD1320	WWS - Provide Electrical Input to SSD	11-Feb-08 A	23-Apr-08 A												
WWS SSD1330	WWS - Provide I&C Input to SSD	11-Feb-08 A	14-Apr-08 A												
WWS SSD1340	WWS - Provide Civil Input to SSD	11-Feb-08 A	14-Apr-08 A												
WWS SSD1280	WWS - Internal Review SSD	15-Apr-08 A	28-Apr-08 A												
WWS SSD1290	WWS - Incorporate Comments SSD from Internal Review	29-Apr-08 A	14-May-08												
WWS SSD1320	WWS - Client Review SSD	09-Jun-08	20-Jun-08												
WWS SSD1330	WWS - Incorporate Comments SSD from Client Review	23-Jun-08	25-Jun-08												
WWS SSD1300	WWS - Approve/Issue SSD	28-Jun-08	30-Jun-08												
WWS SSD1310	WWS - SSD - Complete		30-Jun-08												
Calcs		29-May-08	30-Jun-08												
Mechanical Calcs		29-May-08	30-Jun-08												
WWSME1320	WWS - Prep Mechanical Calcs	29-May-08	10-Jun-08												
WWSME1330	WWS - Review Mechanical Calcs	11-Jun-08	18-Jun-08												
WWSME1340	WWS - Incorporate Comments Mechanical Calcs	18-Jun-08	24-Jun-08												
WWSME1350	WWS - Approve/Issue Mechanical Calcs	25-Jun-08	30-Jun-08												
WWSME1380	WWS - Mechanical Calcs - Complete		30-Jun-08												
Dwgs		03-Apr-08 A	30-Jun-08												
P&ID's		03-Apr-08 A	30-Jun-08												

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Activity ID	Activity Name	Start	Finish	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
WWSME1370	WWS - Prep P&ID's	03-Apr-08 A	24-Apr-08 A				■									
WWSLE1470	WWS - Provide Electrical Input to P&ID's	03-Apr-08 A	24-Apr-08 A				■									
WWSICE1480	WWS - Provide I&C Input to P&ID's	03-Apr-08 A	24-Apr-08 A				■									
WWSME1380	WWS - Internal Review P&ID's	25-Apr-08 A	08-May-08				■									
WWSME1390	WWS - Incorporate Comments P&ID's from Internal Review	09-May-08	22-May-08				■									
WWSME1470	WWS - Client Review P&ID's	09-Jun-08*	20-Jun-08													
WWSME1480	WWS - Incorporate Comments P&ID's from Client Review	23-Jun-08	25-Jun-08													
WWSME1400	WWS - Approve/Issue P&ID's	25-Jun-08	30-Jun-08													
WWSME1410	WWS - P&ID's - Complete		30-Jun-08													
Piping Layout Dwgs																
WWSME1420	WWS - Prep Piping Layout Dwgs	11-Apr-08 A	21-May-08				■									
WWSME1430	WWS - Review Piping Layout Dwgs	22-May-08	08-Jun-08				■									
WWSME1440	WWS - Incorporate Comments Piping Layout Dwgs	10-Jun-08	23-Jun-08				■									
WWSME1450	WWS - Approve/Issue Piping Layout Dwgs	24-Jun-08	30-Jun-08													
WWSME1480	WWS - Piping Layout Dwgs - Complete		30-Jun-08													
YFS																
YFS		25-Feb-08 A	16-Jun-08													
SSD																
YFSSD1480	YFS - Prep SSD	25-Feb-08 A	10-Apr-08 A				■									
YFSSDE1510	YFS - Provide Electrical Input to SSD	25-Feb-08 A	10-Apr-08 A				■									
YFSSDI1520	YFS - Provide I&C Input to SSD	25-Feb-08 A	10-Apr-08 A				■									
YFSSDC1530	YFS - Provide Civil Input to SSD	25-Feb-08 A	10-Apr-08 A				■									
YFSSSD1470	YFS - Review SSD	11-Apr-08 A	23-Apr-08 A				■									
YFSSSD1480	YFS - Incorporate Comments SSD	25-Apr-08 A	06-May-08				■									
YFSSSD1490	YFS - Approve/Issue SSD	07-May-08	15-May-08													
YFSSSD1500	YFS - SSD - Complete		15-May-08													
Calcs																
YFSME1510	YFS - Prep Mechanical Calcs	23-Apr-08 A	06-May-08				■									
YFSME1520	YFS - Review Mechanical Calcs	07-May-08	14-May-08				■									
YFSME1530	YFS - Incorporate Comments Mechanical Calcs	15-May-08	20-May-08				■									
YFSME1540	YFS - Approve/Issue Mechanical Calcs	21-May-08	22-May-08				■									
YFSME1550	YFS - Mechanical Calcs - Complete		22-May-08													
Dwgs																
YFSME1560	YFS - Prep P&ID's	07-Apr-08 A	09-May-08				■									
YFSELE1560	YFS - Provide Electrical Input to P&ID's	07-Apr-08 A	09-May-08				■									
YFSICE1670	YFS - Provide I&C Input to P&ID's	07-Apr-08 A	09-May-08				■									
YFSME1570	YFS - Review P&ID's	12-May-08	28-May-08				■									
YFSME1580	YFS - Incorporate Comments P&ID's	28-May-08	06-Jun-08				■									
YFSME1590	YFS - Approve/Issue P&ID's	09-Jun-08	16-Jun-08				■									

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Activity ID	Activity Name	Start	Finish	2008													
				Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
Conditions Plan																	
A1550	Barge Slip - Prepare Existing Conditions Plan, including Boring Location	07-Mar-08 A	18-Apr-08 A														
A1560	Barge Slip - Review/Comment on Existing Conditions Plan, including Boring	26-Mar-08 A	03-Apr-08 A														
A1570	Barge Slip - Incorporate Comments on Existing Conditions Plan, including	04-Apr-08 A	14-Apr-08 A														
A1580	Barge Slip - Approve/Issue Existing Conditions Plan, including Boring Loca	18-Apr-08 A	18-Apr-08 A														
A1590	Barge Slip - Existing Conditions Plan, including Boring Location Complete		18-Apr-08 A														
Barge Slip Plan																	
A1600	Barge Slip - Prepare Barge Slip Plan	04-Apr-08 A	10-Apr-08 A														
A1610	Barge Slip - Review/Comment on Barge Slip Plan	11-Apr-08 A	17-Apr-08 A														
A1620	Barge Slip - Incorporate Comments on Barge Slip Plan	18-Apr-08 A	21-Apr-08 A														
A1630	Barge Slip - Approve/Issue Barge Slip Plan	22-Apr-08 A	23-Apr-08 A														
A1640	Barge Slip - Barge Slip Plan Complete		24-Apr-08 A														
Erosion and Sedimentation Control Plan																	
A1650	Barge Slip - Prepare Erosion and Sedimentation Control Plan	04-Apr-08 A	10-Apr-08 A														
A1660	Barge Slip - Review/Comment on Erosion and Sedimentation Control Plan	21-Apr-08 A	28-Apr-08 A														
A1670	Barge Slip - Incorporate Comments on Erosion and Sedimentation Control	29-Apr-08 A	30-Apr-08 A														
A1680	Barge Slip - Approve/Issue Erosion and Sedimentation Control Plan	01-May-08 A	02-May-08 A														
A1690	Barge Slip - Erosion and Sedimentation Control Plan Complete		02-May-08 A														
Erosion and Sedimentation Control Sections and Details																	
A1700	Barge Slip - Prepare Erosion and Sedimentation Control Sections and Deta	28-Apr-08 A	06-Jun-08														
A1710	Barge Slip - Review/Comment on Erosion and Sedimentation Control Secti	20-May-08	29-May-08														
A1720	Barge Slip - Incorporate Comments on Erosion and Sedimentation Control	30-May-08	05-Jun-08														
A1730	Barge Slip - Approve/Issue Erosion and Sedimentation Control Sections an	06-Jun-08	06-Jun-08														
A1740	Barge Slip - Erosion and Sedimentation Control Sections and Details Com		06-Jun-08														
Disposal Areas																	
A1750	Barge Slip - Prepare Disposal Areas	30-May-08	12-Jun-08														
A1760	Barge Slip - Review/Comment on Disposal Areas	13-Jun-08	18-Jun-08														
A1770	Barge Slip - Incorporate Comments on Disposal Areas	19-Jun-08	23-Jun-08														
A1780	Barge Slip - Approve/Issue Disposal Areas	24-Jun-08	24-Jun-08														
A1790	Barge Slip - Disposal Areas Complete		24-Jun-08														
HWY 19 & 40																	
Plan View																	
A1800	HWY 19 & 40 - Prepare Plan View for Improvements of HWY 19 & 40	11-Feb-08 A	20-Feb-08 A														
A1810	HWY 19 & 40 - Review/Comment on Plan View for Improvements of HWY	21-Feb-08 A	26-Feb-08 A														
A1820	HWY 19 & 40 - Incorporate Comments on Plan View for Improvements of	27-Feb-08 A	28-Feb-08 A														
A1830	HWY 19 & 40 - Approve/Issue Plan View for Improvements of HWY 19 & 40	03-Mar-08 A	03-Mar-08 A														
A1840	HWY 19 & 40 - Plan View for Improvements of HWY 19 & 40 Complete		03-Mar-08 A														
Elevation View																	
A1850	HWY 19 & 40 - Prepare HWY 19 & 40 Elevation Views	07-Apr-08 A	10-Apr-08 A														
A1860	HWY 19 & 40 - Review/Comment on HWY 19 & 40 Elevation Views	14-Apr-08 A	28-Apr-08 A														

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Activity ID	Activity Name	Start	Finish	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008
				Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A1870	HWY 19 & 40 - Incorporate Comments on HWY 19 & 40 Elevation Views	29-Apr-08 A	30-Apr-08 A											
A1880	HWY 19 & 40 - Approve/Issue HWY 19 & 40 Elevation Views	01-May-08 A	02-May-08 A											
A1890	HWY 19 & 40 - HWY 19 & 40 Elevation Views Complete													
Railroad														
Horizontal Alignment														
A1800	Railroad - Prepare Horizontal Alignment	11-Feb-08 A	08-Sep-08											
A1910	Railroad - Review/Comment on Horizontal Alignment	27-Feb-08 A	06-Mar-08 A											
A1920	Railroad - Incorporate Comments on Horizontal Alignment	07-Mar-08 A	13-Mar-08 A											
A1930	Railroad - Approve/Issue Horizontal Alignment	14-Mar-08 A	14-Mar-08 A											
A1840	Railroad - Horizontal Alignment Complete													
Vertical Alignment														
A1950	Railroad - Prepare Vertical Alignment	04-Aug-08	08-Sep-08											
A1960	Railroad - Review/Comment on Vertical Alignment	20-Aug-08	28-Aug-08											
A1970	Railroad - Incorporate Comments on Vertical Alignment	29-Aug-08	05-Sep-08											
A1980	Railroad - Approve/Issue Vertical Alignment	08-Sep-08	08-Sep-08											
A1990	Railroad - Vertical Alignment Complete													
Cross Sections														
A2000	Railroad - Prepare Typical Cross Sections	04-Apr-08 A	14-Apr-08 A											
A2010	Railroad - Review/Comment on Typica Cross Sections	08-Apr-08 A	08-Apr-08 A											
A2020	Railroad - Incorporate Comments on Typica Cross Sections	09-Apr-08 A	10-Apr-08 A											
A2030	Railroad - Approve/Issue Typica Cross Sections	14-Apr-08 A	14-Apr-08 A											
A2040	Railroad - Typical Cross Sections Complete													
RWS Intake Structure														
Plan View														
A2050	RWS Intake Structure - Prepare Plan View	11-Feb-08 A	19-Feb-08 A											
A2060	RWS Intake Structure - Review/Comment on Plan View	20-Feb-08 A	22-Feb-08 A											
A2070	RWS Intake Structure - Incorporate Comments on Plan View	25-Feb-08 A	26-Feb-08 A											
A2080	RWS Intake Structure - Approve/Issue Plan View	27-Feb-08 A	27-Feb-08 A											
A2090	RWS Intake Structure - Plan View Complete													
Cross Sections														
A2100	RWS Intake Structure - Prepare Cross Sections	25-Feb-08 A	18-Mar-08 A											
A2110	RWS Intake Structure - Review/Comment on Cross Sections	19-Mar-08 A	02-Apr-08 A											
A2120	RWS Intake Structure - Incorporate Comments on Cross Sections	03-Apr-08 A	10-Apr-08 A											
A2130	RWS Intake Structure - Approve/Issue Cross Sections	14-Apr-08 A	14-Apr-08 A											
A2140	RWS Intake Structure - Cross Sections Complete													
NI Plot Plan														
Foot Print of Excavation														
A2150	NI Plot Plan - Prepare Foot Print of Excavation	11-Feb-08 A	19-Feb-08 A											
A2160	NI Plot Plan - Review/Comment on Foot Print of Excavation	20-Feb-08 A	21-Feb-08 A											
A2170	NI Plot Plan - Incorporate Comments on Foot Print of Excavation	22-Feb-08 A	25-Feb-08 A											

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Activity ID	Activity Name	Start	Finish	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008	
				Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A2180	NI Plot Plan - Approve/Issue Foot Print of Excavation	26-Feb-08 A	28-Feb-08 A											
A2190	NI Plot Plan - Foot Print of Excavation Complete		26-Feb-08 A											
Cross Sections & Details		14-Apr-08 A	16-May-08											
A2200	NI Plot Plan - Prepare Cross Sections & Details	14-Apr-08 A	29-Apr-08 A											
A2210	NI Plot Plan - Review/Comment on Cross Sections & Details	30-Apr-08 A	08-May-08											
A2220	NI Plot Plan - Incorporate Comments on Cross Sections & Details	09-May-08	15-May-08											
A2230	NI Plot Plan - Approve/Issue Cross Sections & Details	16-May-08	16-May-08											
A2240	NI Plot Plan - Cross Sections & Details Complete		16-May-08											
Blowdown Pipe & Discharge		11-Feb-08 A	14-Apr-08 A											
Alignment and Discharge Details		11-Feb-08 A	14-Apr-08 A											
A2250	Blowdown Pipe & Discharge - Prepare Alignment and Discharge Details	11-Feb-08 A	11-Mar-08 A											
A2260	Blowdown Pipe & Discharge - Review/Comment on Alignment and Discharge	12-Mar-08 A	28-Mar-08 A											
A2270	Blowdown Pipe & Discharge - Incorporate Comments on Alignment and Discharge	31-Mar-08 A	08-Apr-08 A											
A2280	Blowdown Pipe & Discharge - Approve/Issue Alignment and Discharge Details	14-Apr-08 A	14-Apr-08 A											
A2290	Blowdown Pipe & Discharge - Alignment and Discharge Details Complete		14-Apr-08 A											
Calculations 30%		14-Apr-08 A	30-Jun-08											
Barge Slip		14-Apr-08 A	18-Apr-08 A											
A2300	Barge Slip - Prepare Drainage Ditch Sizing and Erosion Protection of Slope	14-Apr-08 A	15-Apr-08 A											
A2310	Barge Slip - Review/Comment on Drainage Ditch Sizing and Erosion Protection	16-Apr-08 A	17-Apr-08 A											
A2320	Barge Slip - Incorporate Comments on Drainage Ditch Sizing and Erosion Protection	17-Apr-08 A	18-Apr-08 A											
A2330	Barge Slip - Approve/Issue Drainage Ditch Sizing and Erosion Protection of Slope	18-Apr-08 A	18-Apr-08 A											
A2340	Barge Slip - Drainage Ditch Sizing and Erosion Protection of Slope Complete		18-Apr-08 A											
Prelim - Heavy Haul & Pipeline Bridge Design Calculations - 2016 COD Support		09-May-08	30-Jun-08											
A2341	Heavy Haul & Pipeline Bridge - Prepare Design Calculations - COD 2016	09-May-08	06-Jun-08											
A2800	Heavy Haul & Pipeline Bridge - Review Design Calculations - COD 2016	09-Jun-08	18-Jun-08											
A2810	Heavy Haul & Pipeline Bridge - Incorporate Comments Design Calculations - COD 2016	19-Jun-08	26-Jun-08											
A2820	Heavy Haul & Pipeline Bridge - Approve/Issue Design Calculations - COD 2016	27-Jun-08	30-Jun-08											
A2830	Heavy Haul & Pipeline Bridge - Design Calculations - COD 2016 Complete		30-Jun-08											
Specifications 30%		09-May-08	30-Jun-08											
Barge Slip Erection Specifications - 2016 COD Support		09-May-08	30-Jun-08											
A2850	Barge Slip Erection Specifications - Prepare Spec - COD 2016	09-May-08	06-Jun-08											
A2860	Barge Slip Erection Specifications - Review Spec - COD 2016	09-Jun-08	18-Jun-08											
A2870	Barge Slip Erection Specifications - Incorporate Comments Spec - COD 2016	19-Jun-08	26-Jun-08											
A2880	Barge Slip Erection Specifications - Approve/Issue Spec - COD 2016	27-Jun-08	30-Jun-08											
A2890	Barge Slip Erection Specifications - Spec - COD 2016 Complete		30-Jun-08											
Barge Slip Procurement Specifications - 2016 COD Support		09-May-08	30-Jun-08											
A2710	Barge Slip Procurement Specifications - Prepare Spec - COD 2016	09-May-08	06-Jun-08											
A2720	Barge Slip Procurement Specifications - Review Spec - COD 2016	09-Jun-08	18-Jun-08											
A2730	Barge Slip Procurement Specifications - Incorporate Comments Spec - COD 2016	19-Jun-08	26-Jun-08											
A2740	Barge Slip Procurement Specifications - Approve/Issue Spec - COD 2016	27-Jun-08	30-Jun-08											

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Activity ID	Activity Name	Start	Finish	2008	2009
				Feb	Mar
A2750	Barge Slip Procurement Specifications - Spec - COD 2016 Complete	30-Jun-06	30-Jun-06		
LWA - Civil Structural Facilities					
Drawings 30%					
NI Dewatering Plan					
A2350	Prepare NI Dewatering Plan Dwg	11-Feb-08 A	29-Feb-08 A		
A2360	Review NI Dewatering Plan Dwg	03-Mar-08 A	07-Mar-08 A		
A2370	Incorporate Comments NI Dewatering Plan Dwg	10-Mar-08 A	11-Mar-08 A		
A2380	Approve/Issue NI Dewatering Plan Dwg	12-Mar-08 A	13-Mar-08 A		
A2390	NI Dewatering Plan Dwg - Complete		13-Mar-08 A		
NI Structural Qualification of Retaining Wall					
A2450	Prepare NI Structural Qualification of Retaining Wall	03-Mar-08 A	24-Mar-08 A		
A2460	Review NI Structural Qualification of Retaining Wall	25-Mar-08 A	31-Mar-08 A		
A2470	Incorporate Comments NI Structural Qualification of Retaining Wall	01-Apr-08 A	02-Apr-08 A		
A2480	Approve/Issue NI Structural Qualification of Retaining Wall	03-Apr-08 A	04-Apr-08 A		
A2490	Approve/Issue NI Structural Qualification of Retaining Wall		04-Apr-08 A		
NI Retaining Wall for Dewatering					
A2400	Prepare NI Retaining Wall for Dewatering Dwg	25-Mar-08 A	14-Apr-08 A		
A2410	Review NI Retaining Wall for Dewatering Dwg	15-Apr-08 A	21-Apr-08 A		
A2420	Incorporate Comments NI Retaining Wall for Dewatering Dwg	22-Apr-08 A	28-Apr-08 A		
A2430	Approve/Issue NI Retaining Wall for Dewatering Dwg	29-Apr-08 A	01-May-08 A		
A2440	NI Retaining Wall for Dewatering Dwg - Complete		01-May-08 A		
Specifications 30%					
NI Concrete Erection Specification					
A2500	Prepare NI Concrete Erection Spec	14-Apr-08 A	12-May-08		
A2510	Review NI Concrete Erection Spec	13-May-08	19-May-08		
A2520	Incorporate Comments NI Concrete Erection Spec	20-May-08	21-May-08		
A2530	Approve/Issue NI Concrete Erection Spec	22-May-08	23-May-08		
A2540	NI Concrete Erection Spec - Complete		23-May-08		
NI Earthwork Erection Specification					
A2550	Prepare NI Earthwork Spec	20-May-08	10-Jun-08		
A2560	Review NI Earthwork Spec	11-Jun-08	17-Jun-08		
A2570	Incorporate Comments NI Earthwork Spec	18-Jun-08	18-Jun-08		
A2580	Approve/Issue NI Earthwork Spec	20-Jun-08	23-Jun-08		
A2590	NI Earthwork Spec - Complete		23-Jun-08		
Geotech - SCA					
Parameters & Descriptive Information for ERP					
GEO100	Issue ESSOW's, Evaluate Subcontractors & Award Subcontract	07-Mar-08 A	15-May-08		
GEO170	Survey & Stake Initial Boring & Testing Locations	08-May-08	14-May-08		
GEO180	Mobilize Drilling Contractor	19-May-08	19-May-08		
GEO190	Perform Drilling	20-May-08	30-Jun-08		

17 - 19
 Levy Site
 Progress Energy
 Date
 Revision
 Checked
 Approved
 07-May-08

Activity ID	Activity Name	Physical % Complete	Remaining Duration	Start	Finish	January 2008				February 2008				March 2008				April 2008						
						01	02	03	04	01	02	03	04	01	02	03	04	01	02	03	04			
Levy COLA Review						15	07-Jan-08 A	23-Apr-08																
Task 11- Administration						15	07-Jan-08 A	23-Apr-08																
AT11001	Begin Task 11	100%	0	07-Jan-08 A		◆ Begin Task 11																		
RAT11050	COLA Package to SS&W	84%	12	07-Jan-08 A	23-Apr-08																			
AT11060	Management & Administration	84%	12	07-Jan-08 A	23-Apr-08																			
Site Characteristics - Chapter 2						15	09-Jan-08 A	23-Apr-08																
Site Characteristics - Chapter 2.4						9	31-Mar-08 A	15-Apr-08																
RAT11095	Chapter 2.4 of COLA sent to SS&W	100%	0	31-Mar-08 A	31-Mar-08 A	◆ Chapter 2.4 of COLA sent to SS&W																		
AT11134	Internal Discipline Review of Chapter 2.4 of COLA	20%	4	03-Apr-08 A	10-Apr-08																			
AT11145	Internal Independent Review of Chapter 2.4 of COLA	0%	5	04-Apr-08 A	11-Apr-08																			
AT11055	Prepare Chapter 2.4 comments for transmittal to client	0%	1	14-Apr-08	14-Apr-08																			
DAT11045	Transmit Chapter 2.4 comments to client	0%	1	15-Apr-08	15-Apr-08																			
AT11106	Chapter 2.4 of COLA - Complete	0%	0		15-Apr-08	◆ Chapter 2.4 of COLA																		
Site Characteristics - Chapter 2.5						15	09-Jan-08 A	23-Apr-08																
Site Characteristics - Chapter 2.5.1						0	09-Jan-08 A	30-Jan-08 A																
RAT11105	Chapter 2.5.1 of COLA sent to SS&W	100%	0	09-Jan-08 A	09-Jan-08 A	◆ Chapter 2.5.1 of COLA sent to SS&W																		
AT11144	Internal Discipline Review of Chapter 2.5.1 of COLA	100%	0	09-Jan-08 A	21-Jan-08 A																			
AT11185	Internal Independent Review of Chapter 2.5.1 of COLA	100%	0	10-Jan-08 A	25-Jan-08 A																			
AT11205	Prepare Chapter 2.5.1 comments for transmittal to client	100%	0	29-Jan-08 A	29-Jan-08 A																			
DAT11055	Transmit Chapter 2.5.1 comments to client	100%	0	30-Jan-08 A	30-Jan-08 A																			
AT11116	Chapter 2.5.1 of COLA - Complete	100%	0		30-Jan-08 A	◆ Chapter 2.5.1 of COLA - Complete																		
Site Characteristics - Chapter 2.5.2						14	07-Apr-08	22-Apr-08																
RAT11115	Chapter 2.5.2 of COLA sent to SS&W	0%	0		07-Apr-08	◆ Chapter 2.5.2 of COLA sent to SS																		
AT11154	Internal Discipline Review of Chapter 2.5.2 of COLA	0%	5	10-Apr-08	17-Apr-08																			
AT11245	Internal Independent Review of Chapter 2.5.2 of COLA	0%	5	11-Apr-08	18-Apr-08																			
AT11265	Prepare Chapter 2.5.2 comments for transmittal to client	0%	1	18-Apr-08	21-Apr-08																			
DAT11065	Transmit Chapter 2.5.2 comments to client	0%	1	21-Apr-08	22-Apr-08																			
AT11126	Chapter 2.5.2 of COLA - Complete	0%	0		22-Apr-08	◆ Chapter 2.																		

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Activity ID	Activity Name	Physical Complete	Remaining Duration	Start	Finish	January 2008												February 2008				March 2008				April 2008													
						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			
Site Characteristics - Chapter 2.5.3						6	31-Mar-08 A	11-Apr-08																															
RAT11125	Chapter 2.5.3 of COLA sent to SS&W	100%	0		31-Mar-08 A	◆ Chapter 2.5.3 of COLA sent to SS&W																																	
AT11164	Internal Discipline Review of Chapter 2.5.3 of COLA	60%	2	02-Apr-08 A	08-Apr-08	■																																	
AT11305	Internal Independent Review of Chapter 2.5.3 of COLA	40%	3	02-Apr-08 A	09-Apr-08	■																																	
AT11325	Prepare Chapter 2.5.3 comments for transmittal to client	0%	1	10-Apr-08	10-Apr-08																																		
DAT11075	Transmit Chapter 2.5.3 comments to client	0%	1	11-Apr-08	11-Apr-08																																		
AT11136	Chapter 2.5.3 of COLA - Complete	0%	0		11-Apr-08	◆ Chapter 2.5.3 of COLA - Complete																																	
Site Characteristics - Chapter 2.5.4						14	08-Apr-08	23-Apr-08																															
RAT11135	Chapter 2.5.4 of COLA sent to SS&W	0%	0		08-Apr-08	◆ Chapter 2.5.4 of COLA sent to SS&W																																	
AT11174	Internal Discipline Review of Chapter 2.5.4 of COLA	0%	5	11-Apr-08	18-Apr-08	■																																	
AT11365	Internal Independent Review of Chapter 2.5.4 of COLA	0%	5	14-Apr-08	21-Apr-08	■																																	
AT11385	Prepare Chapter 2.5.4 comments for transmittal to client	0%	1	21-Apr-08	22-Apr-08																																		
DAT11085	Transmit Chapter 2.5.4 comments to client	0%	1	22-Apr-08	23-Apr-08																																		
AT11146	Chapter 2.5.4 of COLA - Complete	0%	0		23-Apr-08	◆ Chapter 2.5.4 of COLA - Complete																																	
Environmental Report (ER)						7	07-Jan-08 A	14-Apr-08																															
Environmental Report - Chapter 1						0	07-Jan-08 A	17-Jan-08 A																															
RAT11895	ER Chapter 1 of COLA sent to SS&W	100%	0		07-Jan-08 A	◆ ER Chapter 1 of COLA sent to SS&W																																	
AT11725	Internal Discipline Review of ER Chapter 1	100%	0	08-Jan-08 A	15-Jan-08 A	■																																	
AT11745	Internal Independent Review of ER Chapter 1	100%	0	10-Jan-08 A	14-Jan-08 A	■																																	
AT11755	Prepare ER Chapter 1 comments for transmittal to client	100%	0	17-Jan-08 A	17-Jan-08 A																																		
DAT11735	Transmit ER Chapter 1 comments to Progress Energy	100%	0	17-Jan-08 A	17-Jan-08 A																																		
AT11765	ER Chapter 1 of COLA - Complete	100%	0		17-Jan-08 A	◆ ER Chapter 1 of COLA - Complete																																	
Environmental Report - Chapter 2						2	27-Mar-08 A	08-Apr-08																															
RAT11705	ER Chapter 2 of COLA sent to SS&W	100%	0		27-Mar-08 A	◆ ER Chapter 2 of COLA sent to SS&W																																	
AT11775	Internal Discipline Review of ER Chapter 2	100%	0	28-Mar-08 A	03-Apr-08 A	■																																	
AT11785	Internal Independent Review of ER Chapter 2	100%	0	01-Apr-08 A	02-Apr-08 A	■																																	
AT11795	Prepare ER Chapter 2 comments for transmittal to client	0%	1	07-Apr-08	07-Apr-08																																		

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Remaining Level of Effort
 Actual Work
 Critical Remaining Work
 Actual Level of Effort
 Remaining Work
 ◆ Milestones

Activity Name	Start	Finish	2008	2009											
			Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Construction Storm Water Mngmnt Sections & Details	07-May-08	20-May-08													
DRSCSE1070 DRS - Prep Construction Storm Water Mngmnt Sections & Details	08-May-08	13-May-08													
DRSCSE1080 DRS - Review Construction Storm Water Mngmnt Sections & Details	14-May-08	15-May-08													
DRSCSE1090 DRS - Incorporate Comments Construction Storm Water Mngmnt Sections & Details	16-May-08	19-May-08													
DRSCSE1100 DRS - Approve/Issue Construction Storm Water Mngmnt Sections & Details	20-May-08	20-May-08													
DRSCSE1160 DRS - Construction Storm Water Mngmnt Sections & Details - Complete		20-May-08													
Permanent Storm Water Mngmnt Plan - Horizontal SW Dwgs & Vertical Profiles	24-Apr-08	21-May-08													
DRSCSE1120 DRS - Prep Permanent Storm Water Mngmnt Plan - Horizontal SW Dwgs & Vertical Profiles	24-Apr-08	06-May-08													
DRSCSE1130 DRS - Review Permanent Storm Water Mngmnt Plan - Horizontal SW Dwgs & Vertical Profiles	07-May-08	12-May-08													
DRSCSE1140 DRS - Incorporate Comments Permanent Storm Water Mngmnt Plan - Horizontal SW Dwgs & Vertical Profiles	13-May-08	15-May-08													
DRSCSE1150 DRS - Approve/Issue Permanent Storm Water Mngmnt Plan - Horizontal SW Dwgs & Vertical Profiles	19-May-08	21-May-08													
DRSCSE1210 DRS - Permanent Storm Water Mngmnt Plan - Horizontal SW Dwgs & Vertical Profiles - Complete		21-May-08													
Permanent Storm Water Mngmnt Sections & Details	30-Apr-08	23-May-08													
DRSCSE1170 DRS - Prep Permanent Storm Water Mngmnt Sections & Details	30-Apr-08	09-May-08													
DRSCSE1180 DRS - Review Permanent Storm Water Mngmnt Sections & Details	12-May-08	15-May-08													
DRSCSE1190 DRS - Incorporate Comments Permanent Storm Water Mngmnt Sections & Details	16-May-08	21-May-08													
DRSCSE1260 DRS - Approve/Issue Permanent Storm Water Mngmnt Sections & Details	22-May-08	23-May-08													
DRSCSE1260 DRS - Permanent Storm Water Mngmnt Sections & Details - Complete		23-May-08													
Storm Water Mngmnt Ponds	28-Apr-08	27-May-08													
DRSCSE1220 DRS - Prep Storm Water Mngmnt Ponds	28-Apr-08	08-May-08													
DRSCSE1230 DRS - Review Storm Water Mngmnt Ponds	12-May-08	15-May-08													
DRSCSE1240 DRS - Incorporate Comments Storm Water Mngmnt Ponds	16-May-08	21-May-08													
DRSCSE1250 DRS - Approve/Issue Storm Water Mngmnt Ponds	22-May-08	27-May-08													
DRSCSE1310 DRS - Storm Water Mngmnt Ponds - Complete		27-May-08													
Storm Water Mngmnt Ponds Sections & Details	30-Apr-08	23-May-08													
DRSCSE1270 DRS - Prep Storm Water Mngmnt Ponds Sections & Details	30-Apr-08	09-May-08													
DRSCSE1280 DRS - Review Storm Water Mngmnt Ponds Sections & Details	12-May-08	15-May-08													
DRSCSE1290 DRS - Incorporate Comments Storm Water Mngmnt Ponds Sections & Details	16-May-08	21-May-08													
DRSCSE1300 DRS - Approve/Issue Storm Water Mngmnt Ponds Sections & Details	22-May-08	23-May-08													
DRSCSE1360 DRS - Storm Water Mngmnt Ponds Sections & Details - Complete		23-May-08													
Site Grading Plan	17-Mar-08 A	01-May-08													
DRSCSE1320 DRS - Prep Site Grading Plan	17-Mar-08 A	08-Apr-08													
DRSCSE1330 DRS - Review Site Grading Plan	09-Apr-08	17-Apr-08													
DRSCSE1340 DRS - Incorporate Comments Site Grading Plan	16-Apr-08	20-Apr-08													
DRSCSE1350 DRS - Approve/Issue Site Grading Plan	29-Apr-08	01-May-08													
DRSCSE1410 DRS - Site Grading Plan - Complete		01-May-08													
Specs	16-May-08	30-Jun-08													
Erection Specs	10-May-08	25-Jun-08													
DRSCSE1370 DRS - Prep Erection Specs	16-May-08	06-Jun-08													
DRSCSE1380 DRS - Review Erection Specs	08-Jun-08	16-Jun-08													

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Activity Name		Start	End	2008											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
SSD															
EGSSDC580	EGS - Prep SSD	11-Feb-08 A	13-May-08	EGS - Prep SSD											
EGSSDC530	EGS - Provide Civil Input to SSD	11-Feb-08 A	30-Apr-08	EGS - Provide Civil Input to SSD											
EGSSDC590	EGS - Review SSD	01-May-08	08-May-08	EGS - Review SSD											
EGSSDC600	EGS - Incorporate Comments SSD	07-May-08	09-May-08	EGS - Incorporate Comments SSD											
EGSSDC810	EGS - Approve/Issue SSD	12-May-08	13-May-08	EGS - Approve/Issue SSD											
EGSSDC620	EGS - SSD - Complete		13-May-08	EGS - SSD - Complete											
Dwgs															
GA Dwgs															
EGSEE630	EGS - Prep General Arrangement Dwgs	14-May-08	16-Jun-08	EGS - Prep General Arrangement Dwgs											
EGSEE640	EGS - Review General Arrangement Dwgs	14-May-08	28-May-08	EGS - Review General Arrangement Dwgs											
EGSEE650	EGS - Incorporate Comments General Arrangement Dwgs	28-May-08	06-Jun-08	EGS - Incorporate Comments General Arrangement Dwgs											
EGSEE680	EGS - Approve/Issue General Arrangement Dwgs	09-Jun-08	12-Jun-08	EGS - Approve/Issue General Arrangement Dwgs											
EGSEE670	EGS - General Arrangement Dwgs - Complete	13-Jun-08	16-Jun-08	EGS - General Arrangement Dwgs - Complete											
PWS															
SSD															
PWSSDC680	PWS - Prep SSD	17-Mar-08 A	25-Jun-08	PWS - Prep SSD											
PWSSDC730	PWS - Provide Electrical Input to SSD	17-Mar-08 A	21-May-08	PWS - Provide Electrical Input to SSD											
PWSSDC740	PWS - Provide I&C Input to SSD	17-Mar-08 A	15-Apr-08	PWS - Provide I&C Input to SSD											
PWSSDC750	PWS - Provide Civil Input to SSD	17-Mar-08 A	15-Apr-08	PWS - Provide Civil Input to SSD											
PWSSDC690	PWS - Review SSD	16-Apr-08	01-May-08	PWS - Review SSD											
PWSSDC700	PWS - Incorporate Comments SSD	02-May-08	15-May-08	PWS - Incorporate Comments SSD											
PWSSDC710	PWS - Approve/Issue SSD	16-May-08	21-May-08	PWS - Approve/Issue SSD											
PWSSDC720	PWS - SSD - Complete		21-May-08	PWS - SSD - Complete											
Calcs															
Mechanical Calcs															
PWSME720	PWS - Prep Mechanical Calcs	23-May-08	19-Jun-08	PWS - Prep Mechanical Calcs											
PWSME730	PWS - Review Mechanical Calcs	23-May-08	04-Jun-08	PWS - Review Mechanical Calcs											
PWSME740	PWS - Incorporate Comments Mechanical Calcs	05-Jun-08	11-Jun-08	PWS - Incorporate Comments Mechanical Calcs											
PWSME750	PWS - Approve/Issue Mechanical Calcs	12-Jun-08	18-Jun-08	PWS - Approve/Issue Mechanical Calcs											
PWSME760	PWS - Mechanical Calcs - Complete	17-Jun-08	19-Jun-08	PWS - Mechanical Calcs - Complete											
Dwgs															
P&ID's															
PWSME770	PWS - Prep P&ID's	03-Apr-08 A	25-Jun-08	PWS - Prep P&ID's											
PWSLE870	PWS - Provide Electrical Input to P&ID's	03-Apr-08 A	25-Apr-08	PWS - Provide Electrical Input to P&ID's											
PWSICE880	PWS - Provide I&C Input to P&ID's	03-Apr-08 A	25-Apr-08	PWS - Provide I&C Input to P&ID's											
PWSME780	PWS - Review P&ID's	28-Apr-08	08-May-08	PWS - Review P&ID's											
PWSME790	PWS - Incorporate Comments P&ID's	12-May-08	16-May-08	PWS - Incorporate Comments P&ID's											
PWSME800	PWS - Approve/Issue P&ID's	19-May-08	23-May-08	PWS - Approve/Issue P&ID's											
PWSME810	PWS - P&ID's - Complete		23-May-08	PWS - P&ID's - Complete											

Activity	Activity Name	Start	Finish	2008	2009											
				Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Piping Layout Dwgs																
PWSME820	PWS - Prep Piping Layout Dwgs	08-Apr-08	25-Jun-08													
PWSME830	PWS - Review Piping Layout Dwgs	08-Apr-08	12-May-08													
PWSME840	PWS - Incorporate Comments Piping Layout Dwgs	04-Jun-08	13-Jun-08													
PWSME850	PWS - Approve/Issue Piping Layout Dwgs	16-Jun-08	25-Jun-08													
PWSME860	PWS - Piping Layout Dwgs - Complete		25-Jun-08													
RWS																
		03-Apr-08 A	30-Jun-08													
SSD																
RWSSSD870	RWS - Prep SSD	03-Apr-08 A	01-May-08													
RWSSSD8920	RWS - Provide Electrical Input to SSD	03-Apr-08 A	01-May-08													
RWSSSD8930	RWS - Provide I&C Input to SSD	03-Apr-08 A	01-May-08													
RWSSSD8940	RWS - Provide Civil Input to SSD	03-Apr-08 A	01-May-08													
RWSSSD8980	RWS - Internal Review SSD	02-May-08	13-May-08													
RWSSSD8990	RWS - Incorporate Comments SSD from Internal Review	14-May-08	23-May-08													
RWSSSD920	RWS - Client Review SSD	27-May-08	06-Jun-08													
RWSSSD930	RWS - Incorporate Comments SSD from Client Review	08-Jun-08	16-Jun-08													
RWSSSD900	RWS - Approve/Issue SSD	17-Jun-08	30-Jun-08													
RWSSSD910	RWS - SSD - Complete		30-Jun-08													
Calcs																
		01-May-08	06-Jun-08													
Mechanical Calcs																
RWSME920	RWS - Prep Mechanical Calcs	01-May-08	06-Jun-08													
RWSME930	RWS - Review Mechanical Calcs	15-May-08	22-May-08													
RWSME940	RWS - Incorporate Comments Mechanical Calcs	23-May-08	02-Jun-08													
RWSME950	RWS - Approve/Issue Mechanical Calcs	03-Jun-08	06-Jun-08													
RWSME960	RWS - Mechanical Calcs - Complete		06-Jun-08													
Dwgs																
		04-Apr-08 A	27-Jun-08													
P&ID's																
RWSME970	RWS - Prep P&ID's	04-Apr-08 A	30-Apr-08													
RWSLE1070	RWS - Provide Electrical Input to P&ID's	04-Apr-08 A	30-Apr-08													
RWSICE1060	RWS - Provide I&C Input to P&ID's	04-Apr-08 A	30-Apr-08													
RWSME980	RWS - Internal Review P&ID's	01-May-08	19-May-08													
RWSME990	RWS - Incorporate Comments P&ID's from Internal Review	20-May-08	23-May-08													
RWSME1070	RWS - Client Review P&ID's	27-May-08	09-Jun-08													
RWSME1080	RWS - Incorporate Comments P&ID's from Client Review	10-Jun-08	13-Jun-08													
RWSME1000	RWS - Approve/Issue P&ID's	16-Jun-08	23-Jun-08													
RWSME1010	RWS - P&ID's - Complete		23-Jun-08													
Piping Layout Dwgs																
RWSME1020	RWS - Prep Piping Layout Dwgs	17-Apr-08	27-Jun-08													
RWSME1030	RWS - Review Piping Layout Dwgs	17-Apr-08	29-May-08													
RWSME1040	RWS - Incorporate Comments Piping Layout Dwgs	30-May-08	12-Jun-08													
		13-Jun-08	20-Jun-08													

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Activity ID	Activity Name	Start	Finish	2007												2008										
				Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb										
WWSDD1280	WWS - Internal Review SSD	15-Apr-08	16-May-08																							
WWSDD1280	WWS - Incorporate Comments SSD from Internal Review	19-May-08	04-Jun-08																							
WWSDD1320	WWS - Client Review SSD	08-Jun-08*	20-Jun-08																							
WWSDD1330	WWS - Incorporate Comments SSD from Client Review	23-Jun-08	25-Jun-08																							
WWSDD1300	WWS - Approve/Issue SSD	26-Jun-08	30-Jun-08																							
WWSDD1310	WWS - SSD - Complete		30-Jun-08																							
Calcs				29-May-08	30-Jun-08																					
Mechanical Calcs				29-May-08	30-Jun-08																					
WWSME1320	WWS - Prep Mechanical Calcs	29-May-08	10-Jun-08																							
WWSME1330	WWS - Review Mechanical Calcs	11-Jun-08	18-Jun-08																							
WWSME1340	WWS - Incorporate Comments Mechanical Calcs	19-Jun-08	24-Jun-08																							
WWSME1350	WWS - Approve/Issue Mechanical Calcs	25-Jun-08	30-Jun-08																							
WWSME1380	WWS - Mechanical Calcs - Complete		30-Jun-08																							
Dwgs				03-Apr-08 A	30-Jun-08																					
P&ID's				03-Apr-08 A	30-Jun-08																					
WWSME1370	WWS - Prep P&ID's	03-Apr-08 A	24-Apr-08																							
WWSME1470	WWS - Provide Electrical Input to P&ID's	03-Apr-08 A	24-Apr-08																							
WWSICE1480	WWS - Provide I&C Input to P&ID's	03-Apr-08 A	24-Apr-08																							
WWSME1380	WWS - Internal Review P&ID's	25-Apr-08	08-May-08																							
WWSME1380	WWS - Incorporate Comments P&ID's from Internal Review	09-May-08	22-May-08																							
WWSME1470	WWS - Client Review P&ID's	09-Jun-08*	20-Jun-08																							
WWSME1480	WWS - Incorporate Comments P&ID's from Client Review	23-Jun-08	25-Jun-08																							
WWSME1400	WWS - Approve/Issue P&ID's	26-Jun-08	30-Jun-08																							
WWSME1410	WWS - P&ID's - Complete		30-Jun-08																							
Piping Layout Dwgs				08-Apr-08	30-Jun-08																					
WWSME1420	WWS - Prep Piping Layout Dwgs	08-Apr-08	21-May-08																							
WWSME1430	WWS - Review Piping Layout Dwgs	22-May-08	08-Jun-08																							
WWSME1440	WWS - Incorporate Comments Piping Layout Dwgs	10-Jun-08	23-Jun-08																							
WWSME1450	WWS - Approve/Issue Piping Layout Dwgs	24-Jun-08	30-Jun-08																							
WWSME1460	WWS - Piping Layout Dwgs - Complete		30-Jun-08																							
YFS				25-Feb-08 A	30-Jun-08																					
SSD				25-Feb-08 A	19-May-08																					
YFSSD1480	YFS - Prep SSD	25-Feb-08 A	10-Apr-08																							
YFSSDE1510	YFS - Provide Electrical Input to SSD	25-Feb-08 A	10-Apr-08																							
YFSSDI1520	YFS - Provide I&C Input to SSD	25-Feb-08 A	10-Apr-08																							
YFSSDC1530	YFS - Provide Civil Input to SSD	25-Feb-08 A	10-Apr-08																							
YFSSDI1470	YFS - Review SSD	11-Apr-08	28-Apr-08																							
YFSSDI1480	YFS - Incorporate Comments SSD	29-Apr-08	08-May-08																							
YFSSDI1490	YFS - Approve/Issue SSD	09-May-08	19-May-08																							
YFSSDI1500	YFS - SSD - Complete		19-May-08																							

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Activity ID	Activity Name	Start	End	2008	2009
				Jan	Feb
Calcs					
Mechanical Calcs					
		03-Jun-08	30-Jun-08		
		03-Jun-08	30-Jun-08		
YFSME1510	YFS - Prep Mechanical Calcs	03-Jun-08	12-Jun-08		
YFSME1520	YFS - Review Mechanical Calcs	13-Jun-08	20-Jun-08		
YFSME1530	YFS - Incorporate Comments Mechanical Calcs	23-Jun-08	28-Jun-08		
YFSME1540	YFS - Approve/Issue Mechanical Calcs	27-Jun-08	30-Jun-08		
YFSME1550	YFS - Mechanical Calcs - Complete		30-Jun-08		
Dwgs					
P&ID's					
		07-Apr-08	16-Jun-08		
		07-Apr-08	23-May-08		
YFSME1560	YFS - Prep P&ID's	07-Apr-08	23-Apr-08		
YFSELE1660	YFS - Provide Electrical Input to P&ID's	07-Apr-08	23-Apr-08		
YFSICE1670	YFS - Provide I&C Input to P&ID's	07-Apr-08	23-Apr-08		
YFSME1570	YFS - Review P&ID's	24-Apr-08	09-May-08		
YFSME1580	YFS - Incorporate Comments P&ID's	12-May-08	20-May-08		
YFSME1590	YFS - Approve/Issue P&ID's	21-May-08	28-May-08		
YFSME1600	YFS - P&ID's - Complete		28-May-08		
Piping Layout Dwgs					
		17-Apr-08	16-Jun-08		
		17-Apr-08	14-May-08		
YFSME1610	YFS - Prep Piping Layout Dwgs	17-Apr-08	14-May-08		
YFSME1620	YFS - Review Piping Layout Dwgs	15-May-08	28-May-08		
YFSME1630	YFS - Incorporate Comments Piping Layout Dwgs	30-May-08	06-Jun-08		
YFSME1640	YFS - Approve/Issue Piping Layout Dwgs	09-Jun-08	16-Jun-08		
YFSME1650	YFS - Piping Layout Dwgs - Complete		15-Jun-08		
SCA - Civil Structural Facilities					
Drawings 30%					
Access Road					
Horizontal Alignment					
		11-Feb-08 A	08-Sep-08		
		11-Feb-08 A	08-Sep-08		
		11-Feb-08 A	07-May-08		
		11-Feb-08 A	13-Mar-08 A		
A1000	Access Roads - Prepare Horizontal Alignment	11-Feb-08 A	28-Feb-08 A		
A1010	Access Roads - Review/Comment on Horizontal Alignment	27-Feb-08 A	08-Mar-08 A		
A1020	Access Roads - Incorporate Comments on Horizontal Alignment	07-Mar-08 A	12-Mar-08 A		
A1040	Access Roads - Horizontal Alignment Complete		13-Mar-08 A		
A1030	Access Roads - Approve/Issue Horizontal Alignment	13-Mar-08 A	13-Mar-08 A		
Vertical Alignment					
		07-Mar-08 A	10-Apr-08		
		07-Mar-08 A	25-Mar-08 A		
A1050	Access Roads - Prepare Vertical Alignment	07-Mar-08 A	25-Mar-08 A		
A1060	Access Roads - Review/Comment on Vertical Alignment	28-Mar-08 A	03-Apr-08 A		
A1070	Access Roads - Incorporate Comments on Vertical Alignment	04-Apr-08 A	08-Apr-08		
A1080	Access Roads - Approve/Issue Vertical Alignment	10-Apr-08	10-Apr-08		
A1090	Access Roads - Vertical Alignment Complete		10-Apr-08		
Cross Sections and Typical Sections					
		04-Apr-08 A	07-May-08		
		04-Apr-08 A	21-Apr-08		
A1100	Access Roads - Prepare Cross Sections and Typical Sections	04-Apr-08 A	21-Apr-08		
A1110	Access Roads - Review/Comment on Cross Sections and Typical Sections	22-Apr-08	30-Apr-08		

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Activity ID	Activity Name	Start	Finish	2006															
				Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2005				
A1120	Access Roads - Incorporate Comments on Cross Sections and Typical Sections	01-May-06	06-May-06																
A1130	Access Roads - Approve/Issue Cross Sections and Typical Sections	07-May-06	07-May-06																
A1140	Access Roads - Cross Sections and Typical Sections Complete		07-May-06																
Heavy Haul Roads																			
Horizontal Alignment																			
A1150	Heavy Haul Roads - Prepare Horizontal Alignment	11-Feb-06 A	25-Feb-06 A																
A1180	Heavy Haul Roads - Review/Comment on Horizontal Alignment	27-Feb-06 A	06-Mar-06 A																
A1170	Heavy Haul Roads - Incorporate Comments on Horizontal Alignment	07-Mar-06 A	12-Mar-06 A																
A1180	Heavy Haul Roads - Approve/Issue Horizontal Alignment	13-Mar-06 A	13-Mar-06 A																
A1190	Heavy Haul Roads - Horizontal Alignment Complete		13-Mar-06 A																
Vertical Alignment																			
A1200	Heavy Haul Roads - Prepare Vertical Alignment	07-Mar-06 A	10-Apr-06																
A1210	Heavy Haul Roads - Review/Comment on Vertical Alignment	07-Mar-06 A	25-Mar-06 A																
A1220	Heavy Haul Roads - Incorporate Comments on Vertical Alignment	26-Mar-06 A	03-Apr-06 A																
A1230	Heavy Haul Roads - Approve/Issue Vertical Alignment	04-Apr-06 A	09-Apr-06																
A1240	Heavy Haul Roads - Vertical Alignment Complete	10-Apr-06	10-Apr-06																
Cross Sections and Typical Sections																			
A1250	Heavy Haul Roads - Prepare Cross Sections and Typical Sections	04-Apr-06 A	21-Apr-06																
A1260	Heavy Haul Roads - Review/Comment on Cross Sections and Typical Sections	22-Apr-06	30-Apr-06																
A1270	Heavy Haul Roads - Incorporate Comments on Cross Sections and Typical Sections	01-May-06	06-May-06																
A1280	Heavy Haul Roads - Approve/Issue Cross Sections and Typical Sections	07-May-06	07-May-06																
A1290	Heavy Haul Roads - Cross Sections and Typical Sections Complete		07-May-06																
Heavy Haul & Pipeline Bridge																			
Plan View																			
A1300	Heavy Haul & Pipeline Bridge - Prepare the Plan Depicting the Approaches to the Heavy Haul	11-Feb-06 A	26-Feb-06 A																
A1310	Heavy Haul & Pipeline Bridge - Review/Comment on the Plan Depicting the Approaches to the	27-Feb-06 A	06-Mar-06 A																
A1320	Heavy Haul & Pipeline Bridge - Incorporate the Plan Depicting the Approaches to the Heavy H	07-Mar-06 A	12-Mar-06 A																
A1330	Heavy Haul & Pipeline Bridge - Approve/Issue the Plan Depicting the Approaches to the Heavy	13-Mar-06 A	13-Mar-06 A																
A1340	Heavy Haul & Pipeline Bridge - Plan Depicting the Approaches to the Heavy Haul & Pipeline B		13-Mar-06 A																
Elevation View																			
A1350	Heavy Haul & Pipeline Bridge - Prepare Evaluation Views on Heavy Haul & Pipeline Bridges	07-Mar-06 A	11-Apr-06																
A1360	Heavy Haul & Pipeline Bridge - Review/Comment on Evaluation Views on Heavy Haul & Pipeli	14-Apr-06	29-Apr-06																
A1370	Heavy Haul & Pipeline Bridge - Incorporate Comments on Evaluation Views on Heavy Haul &	30-Apr-06	06-May-06																
A1360	Heavy Haul & Pipeline Bridge - Approve/Issue Evaluation Views on Heavy Haul & Pipeline Bri	12-May-06	13-May-06																
A1390	Heavy Haul & Pipeline Bridge - Evaluation Views on Heavy Haul & Pipeline Bridges Complete		13-May-06																
Heavy Haul & Pipeline Bridge Profiles																			
A1400	Heavy Haul & Pipeline Bridge - Prepare Heavy Haul & Pipeline Bridge Profiles	30-Apr-06	15-May-06																
A1410	Heavy Haul & Pipeline Bridge - Review/Comment on Heavy Haul & Pipeline Bridge Profiles	16-May-06	27-May-06																
A1420	Heavy Haul & Pipeline Bridge - Incorporate Comments on Heavy Haul & Pipeline Bridge Profil	28-May-06	03-Jun-06																
A1430	Heavy Haul & Pipeline Bridge - Approve/Issue Heavy Haul & Pipeline Bridge Profiles	04-Jun-06	04-Jun-06																

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Activity ID	Activity Name	Start	Finish	2008	2009											
				Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Details & Cross Sections																
A1440	Heavy Haul & Pipeline Bridge - Heavy Haul & Pipeline Bridge Profiles Complete		04-Jun-08													
		28-May-08	30-Jun-08													
A1450	Heavy Haul & Pipeline Bridge - Prepare Details & Cross Sections	28-May-08	11-Jun-08													
A1460	Heavy Haul & Pipeline Bridge - Review/Comment on Details & Cross Sections	12-Jun-08	20-Jun-08													
A1470	Heavy Haul & Pipeline Bridge - Incorporate Comments on Details & Cross Sections	23-Jun-08	27-Jun-08													
A1480	Heavy Haul & Pipeline Bridge - Approve/Issue Details & Cross Sections	30-Jun-08	30-Jun-08													
A1490	Heavy Haul & Pipeline Bridge - Details & Cross Sections Complete		30-Jun-08													
Barge Slip																
Location Plan & Vicinity Plan																
A1500	Barge Slip - Prepare Location Plan & Vicinity Plan	11-Feb-08 A	14-Mar-08 A													
A1510	Barge Slip - Review/Comment on the Location Plan & Vicinity Plan	11-Feb-08 A	28-Feb-08 A													
A1520	Barge Slip - Incorporate Comments on the Location Plan & Vicinity Plan	07-Mar-08 A	13-Mar-08 A													
A1530	Barge Slip - Approve/Issue the Location Plan & Vicinity Plan	14-Mar-08 A	14-Mar-08 A													
A1540	Barge Slip - Location Plan & Vicinity Plan Complete		14-Mar-08 A													
Conditions Plan																
A1550	Barge Slip - Prepare Existing Conditions Plan, including Boring Location	07-Mar-08 A	25-Mar-08 A													
A1560	Barge Slip - Review/Comment on Existing Conditions Plan, including Boring Location	28-Mar-08 A	03-Apr-08 A													
A1570	Barge Slip - Incorporate Comments on Existing Conditions Plan, including Boring Location	04-Apr-08 A	10-Apr-08													
A1580	Barge Slip - Approve/Issue Existing Conditions Plan, including Boring Location	11-Apr-08	11-Apr-08													
A1590	Barge Slip - Existing Conditions Plan, including Boring Location Complete		11-Apr-08													
Barge Slip Plan																
A1600	Barge Slip - Prepare Barge Slip Plan	04-Apr-08 A	14-Apr-08													
A1610	Barge Slip - Review/Comment on Barge Slip Plan	15-Apr-08	17-Apr-08													
A1620	Barge Slip - Incorporate Comments on Barge Slip Plan	18-Apr-08	21-Apr-08													
A1630	Barge Slip - Approve/Issue Barge Slip Plan	22-Apr-08	22-Apr-08													
A1640	Barge Slip - Barge Slip Plan Complete		22-Apr-08													
Erosion and Sedimentation Control Plan																
A1650	Barge Slip - Prepare Erosion and Sedimentation Control Plan	18-Apr-08	18-May-08													
A1660	Barge Slip - Review/Comment on Erosion and Sedimentation Control Plan	30-Apr-08	07-May-08													
A1670	Barge Slip - Incorporate Comments on Erosion and Sedimentation Control Plan	08-May-08	12-May-08													
A1680	Barge Slip - Approve/Issue Erosion and Sedimentation Control Plan	13-May-08	13-May-08													
A1690	Barge Slip - Erosion and Sedimentation Control Plan Complete		13-May-08													
Erosion and Sedimentation Control Sections and Details																
A1700	Barge Slip - Prepare Erosion and Sedimentation Control Sections and Details	08-May-08	23-May-08													
A1710	Barge Slip - Review/Comment on Erosion and Sedimentation Control Sections and Details	27-May-08	04-Jun-08													
A1720	Barge Slip - Incorporate Comments on Erosion and Sedimentation Control Sections and Details	05-Jun-08	11-Jun-08													
A1730	Barge Slip - Approve/Issue Erosion and Sedimentation Control Sections and Details	12-Jun-08	12-Jun-08													
A1740	Barge Slip - Erosion and Sedimentation Control Sections and Details Complete		12-Jun-08													
Disposal Areas																
A1750	Barge Slip - Prepare Disposal Areas	05-Jun-08	18-Jun-08													

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Activity ID	Activity Name	Start	Finish	2008														
				Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		
A1760	Barge Slip - Review/Comment on Disposal Areas	19-Jun-08	24-Jun-08															
A1770	Barge Slip - Incorporate Comments on Disposal Areas	25-Jun-08	27-Jun-08															
A1780	Barge Slip - Approve/Issue Disposal Areas	30-Jun-08	30-Jun-08															
A1790	Barge Slip - Disposal Areas Complete		30-Jun-08															
HWY 19 & 40																		
Plan View																		
A1800	HWY 19 & 40 - Prepare Plan View for Improvements of HWY 19 & 40	11-Feb-08 A	20-Feb-08 A															
A1810	HWY 19 & 40 - Review/Comment on Plan View for Improvements of HWY 19 & 40	21-Feb-08 A	26-Feb-08 A															
A1820	HWY 19 & 40 - Incorporate Comments on Plan View for Improvements of HWY 19 & 40	27-Feb-08 A	29-Feb-08 A															
A1830	HWY 19 & 40 - Approve/Issue Plan View for Improvements of HWY 19 & 40	03-Mar-08 A	03-Mar-08 A															
A1840	HWY 19 & 40 - Plan View for Improvements of HWY 19 & 40 Complete		03-Mar-08 A															
Elevation View																		
A1850	HWY 19 & 40 - Prepare HWY 19 & 40 Elevation Views	07-Apr-08*	13-May-08															
A1860	HWY 19 & 40 - Review/Comment on HWY 19 & 40 Elevation Views	24-Apr-08	02-May-08															
A1870	HWY 19 & 40 - Incorporate Comments on HWY 19 & 40 Elevation Views	05-May-08	09-May-08															
A1880	HWY 19 & 40 - Approve/Issue HWY 19 & 40 Elevation Views	12-May-08	13-May-08															
A1890	HWY 19 & 40 - HWY 19 & 40 Elevation Views Complete		13-May-08															
Railroad																		
Horizontal Alignment																		
A1900	Railroad - Prepare Horizontal Alignment	11-Feb-08 A	26-Feb-08 A															
A1910	Railroad - Review/Comment on Horizontal Alignment	27-Feb-08 A	08-Mar-08 A															
A1920	Railroad - Incorporate Comments on Horizontal Alignment	07-Mar-08 A	13-Mar-08 A															
A1930	Railroad - Approve/Issue Horizontal Alignment	14-Mar-08 A	14-Mar-08 A															
A1940	Railroad - Horizontal Alignment Complete		14-Mar-08 A															
Vertical Alignment																		
A1950	Railroad - Prepare Vertical Alignment	04-Aug-08*	18-Aug-08															
A1960	Railroad - Review/Comment on Vertical Alignment	20-Aug-08	26-Aug-08															
A1970	Railroad - Incorporate Comments on Vertical Alignment	26-Aug-08	05-Sep-08															
A1980	Railroad - Approve/Issue Vertical Alignment	08-Sep-08	08-Sep-08															
A1990	Railroad - Vertical Alignment Complete		08-Sep-08															
Typical Cross Sections																		
A2000	Railroad - Prepare Typical Cross Sections	04-Apr-08 A	08-May-08															
A2010	Railroad - Review/Comment on Typical Cross Sections	22-Apr-08	30-Apr-08															
A2020	Railroad - Incorporate Comments on Typical Cross Sections	01-May-08	07-May-08															
A2030	Railroad - Approve/Issue Typical Cross Sections	08-May-08	08-May-08															
A2040	Railroad - Typical Cross Sections Complete		08-May-08															
RWS Intake Structure																		
Plan View																		
A2050	RWS Intake Structure - Prepare Plan View	11-Feb-08 A	19-Feb-08 A															
A2060	RWS Intake Structure - Review/Comment on Plan View	20-Feb-08 A	22-Feb-08 A															

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Activity ID	Activity Name	2008		2009														
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb				
A2070	RWS Intake Structure - Incorporate Comments on Plan View	25-Feb-08 A	28-Feb-08 A															
A2080	RWS Intake Structure - Approve/Issue Plan View	27-Feb-08 A	27-Feb-08 A															
A2090	RWS Intake Structure - Plan View Complete																	
Cross Sections				25-Feb-08 A	15-Apr-08													
A2100	RWS Intake Structure - Prepare Cross Sections	25-Feb-08 A	18-Mar-08 A															
A2110	RWS Intake Structure - Review/Comment on Cross Sections	19-Mar-08 A	02-Apr-08 A															
A2120	RWS Intake Structure - Incorporate Comments on Cross Sections	03-Apr-08 A	14-Apr-08															
A2130	RWS Intake Structure - Approve/Issue Cross Sections	15-Apr-08	15-Apr-08															
A2140	RWS Intake Structure - Cross Sections Complete		15-Apr-08															
NI Plot Plan				11-Feb-08 A	19-May-08													
Foot Print of Excavation				11-Feb-08 A	26-Feb-08 A													
A2150	NI Plot Plan - Prepare Foot Print of Excavation	11-Feb-08 A	18-Feb-08 A															
A2160	NI Plot Plan - Review/Comment on Foot Print of Excavation	20-Feb-08 A	21-Feb-08 A															
A2170	NI Plot Plan - Incorporate Comments on Foot Print of Excavation	22-Feb-08 A	25-Feb-08 A															
A2180	NI Plot Plan - Approve/Issue Foot Print of Excavation	28-Feb-08 A	28-Feb-08 A															
A2190	NI Plot Plan - Foot Print of Excavation Complete		28-Feb-08 A															
Cross Sections & Details				14-Apr-08	16-May-08													
A2200	NI Plot Plan - Prepare Cross Sections & Details	14-Apr-08	28-Apr-08															
A2210	NI Plot Plan - Review/Comment on Cross Sections & Details	30-Apr-08	08-May-08															
A2220	NI Plot Plan - Incorporate Comments on Cross Sections & Details	09-May-08	15-May-08															
A2230	NI Plot Plan - Approve/Issue Cross Sections & Details	16-May-08	16-May-08															
A2240	NI Plot Plan - Cross Sections & Details Complete		16-May-08															
Blowdown Pipe & Discharge				11-Feb-08 A	11-Apr-08													
Alignment and Discharge Details				11-Feb-08 A	11-Apr-08													
A2250	Blowdown Pipe & Discharge - Prepare Alignment and Discharge Details	11-Feb-08 A	11-Mar-08 A															
A2260	Blowdown Pipe & Discharge - Review/Comment on Alignment and Discharge Details	12-Mar-08 A	28-Mar-08 A															
A2270	Blowdown Pipe & Discharge - Incorporate Comments on Alignment and Discharge Details	31-Mar-08 A	09-Apr-08															
A2280	Blowdown Pipe & Discharge - Approve/Issue Alignment and Discharge Details	10-Apr-08	11-Apr-08															
A2290	Blowdown Pipe & Discharge - Alignment and Discharge Details Complete		11-Apr-08															
Calculations 30%				30-Apr-08	30-Jun-08													
Barge Slip				30-Apr-08	30-Jun-08													
A2300	Barge Slip - Prepare Drainage Ditch Sizing and Erosion Protection of Slope	30-Apr-08	03-Jun-08															
A2310	Barge Slip - Review/Comment on Drainage Ditch Sizing and Erosion Protection of Slope	04-Jun-08	17-Jun-08															
A2320	Barge Slip - Incorporate Comments on Drainage Ditch Sizing and Erosion Protection of Slope	18-Jun-08	24-Jun-08															
A2330	Barge Slip - Approve/Issue Drainage Ditch Sizing and Erosion Protection of Slope	25-Jun-08	30-Jun-08															
A2340	Barge Slip - Drainage Ditch Sizing and Erosion Protection of Slope Complete		30-Jun-08															
LWA - Civil Structural Facilities				11-Feb-08 A	23-Jun-08													
Drawings 30%				11-Feb-08 A	25-Apr-08													
NI Dewatering Plan				11-Feb-08 A	13-May-08 A													
A2350	Prepare NI Dewatering Plan Dwg	11-Feb-08 A	29-Feb-08 A															

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Progress Energy	Date	Revision	Checked	Approved
Levy Site	10-Apr-08	Rev. 0		

Task No.	Task Name	Start	End	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
A2360	Review NI Dewatering Plan Dwg	03-Mar-08 A	07-Mar-08 A													
A2370	Incorporate Comments NI Dewatering Plan Dwg	10-Mar-08 A	11-Mar-08 A													
A2380	Approve/Issue NI Dewatering Plan Dwg	12-Mar-08 A	13-Mar-08 A													
A2390	NI Dewatering Plan Dwg - Complete															
NI Structural Qualification of Retaining Wall																
A2450	Prepare NI Structural Qualification of Retaining Wall	03-Mar-08 A	04-Apr-08 A													
A2460	Review NI Structural Qualification of Retaining Wall	03-Mar-08 A	24-Mar-08 A													
A2470	Incorporate Comments NI Structural Qualification of Retaining Wall	25-Mar-08 A	31-Mar-08 A													
A2480	Approve/Issue NI Structural Qualification of Retaining Wall	01-Apr-08 A	02-Apr-08 A													
A2490	Approve/Issue NI Structural Qualification of Retaining Wall	03-Apr-08 A	04-Apr-08 A													
NI Retaining Wall for Dewatering																
A2400	Prepare NI Retaining Wall for Dewatering Dwg	25-Mar-08 A	25-Apr-08													
A2410	Review NI Retaining Wall for Dewatering Dwg	25-Mar-08 A	14-Apr-08													
A2420	Incorporate Comments NI Retaining Wall for Dewatering Dwg	15-Apr-08	21-Apr-08													
A2430	Approve/Issue NI Retaining Wall for Dewatering Dwg	22-Apr-08	23-Apr-08													
A2440	NI Retaining Wall for Dewatering Dwg - Complete	24-Apr-08	25-Apr-08													
Specifications 3054																
NI Concrete Erection Specification																
A2500	Prepare NI Concrete Erection Spec	22-Apr-08	23-May-08													
A2510	Review NI Concrete Erection Spec	22-Apr-08	12-May-08													
A2520	Incorporate Comments NI Concrete Erection Spec	13-May-08	19-May-08													
A2530	Approve/Issue NI Concrete Erection Spec	20-May-08	21-May-08													
A2540	NI Concrete Erection Spec - Complete	22-May-08	23-May-08													
NI Earthwork Erection Specification																
A2550	Prepare NI Earthwork Spec	20-May-08	23-Jun-08													
A2560	Review NI Earthwork Spec	20-May-08	10-Jun-08													
A2570	Incorporate Comments NI Earthwork Spec	11-Jun-08	17-Jun-08													
A2580	Approve/Issue NI Earthwork Spec	18-Jun-08	18-Jun-08													
A2590	NI Earthwork Spec - Complete	20-Jun-08	23-Jun-08													
Geotech - SCA																
Parameters & Descriptive Information for ERP																
GEO100	Issue ESSOWs, Evaluate Subcontractors & Award Subcontracts	07-Mar-08 A	30-Jun-08													
GEO180	Mobilize Surveyors to Site	07-Mar-08 A	18-Apr-08													
GEO170	Survey & Stake Initial Boring & Testing Locations	21-Apr-08	22-Apr-08													
GEO180	Mobilize Drilling Contractor	23-Apr-08	29-Apr-08													
GEO190	Perform Drilling	30-Apr-08	01-May-08													
GEO200	Perform Lab Testing Soil Samples - Phase 1	02-May-08	27-Jun-08													
Weekly Schedule Status Updates for the Permit Applications																
GEO110	Weekly Status Updates and Coordinate Shaw Engineering Products for the Permit Applications	07-Mar-08 A	30-Jun-08													
Geotech - LWA																
		11-Feb-08 A	30-Jun-08													

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Activity No	Activity Name	Start	Finish	2008	2009											
				Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
	Outline for Geotech Report/Investigations/Lab Tests for BOP	24-Jun-08	30-Jun-08													
GEO120	Outline for Geotech Report/Investigations/Lab Tests for BOP	24-Jun-08	30-Jun-08													
	Report for Pumping Tests - Hydrogeology Engineering Parameters/Grouting/Dewatering Systems	11-Feb-08 A	30-Jun-08													
GEO130	Prepare/Issue ESSDW for Pump Testing	11-Feb-08 A	27-Feb-08 A													
GEO210	Evaluate Subcontractors & Award Subcontract	28-Feb-08 A	11-Mar-08 A													
GEO220	Obtain Permits for Well Installation & GW Discharge	12-Mar-08 A	20-Mar-08 A													
GEO230	Mobilize Contractor to Site	24-Mar-08 A	27-Mar-08 A													
GEO250	Perform Pump Test	24-Mar-08 A	18-Apr-08													
GEO240	Install Pump Test Well & Piezometers	28-Mar-08 A	18-Apr-08													
GEO260	Demobilize Contractor	21-Apr-08	22-Apr-08													
GEO270	Analyze Test Data & Prepare Draft Report	24-Apr-08	05-Jun-08													
GEO280	Review Draft Pumping Test Report	06-Jun-08	16-Jun-08													
GEO290	Revise & Issue Pump Testing Report	19-Jun-08	30-Jun-08													
	Comments from Review of LWA Request & COLA FSAR Ch. 2 & ER Sections 2 & 4	11-Feb-08 A	30-Jun-08													
GEO140	Phase 1 Geotech/Environ Project Support	11-Feb-08 A	30-Jun-08													
GEO320	Progress/JVT Provide Draft ER Sections 2 & 4	11-Feb-08 A	02-Apr-08 A													
GEO300	Progress/JVT Provide Draft FSAR 2.4.12 & 2.5	11-Feb-08 A	03-Jun-08													
GEO330	Review Draft ER Sections 2 & 4	28-Mar-08 A	30-Apr-08													
GEO310	Review Draft FSAR Chapter 2 Sections	28-Mar-08 A	12-May-08													
	Geotech Engineering & Environmental Impact Mitigation & Monitoring Commitments	21-Apr-08	30-Jun-08													
GEO150	Summarize Comments & Eng/Constr Commitments (FSAR)	21-Apr-08*	16-Jun-08													
GEO340	Summarize Comments & Eng/Constr Commitments (ER)	21-Apr-08*	16-Jun-08													
GEO350	Issue Comments & Commitments Summary (FSAR)	17-Jun-08	30-Jun-08													
GEO360	Issue Comments & Commitments Summary (ER)	17-Jun-08	30-Jun-08													
	SCA Construction Support	11-Feb-08 A	30-Jun-08													
CON100	Construction Schedule	11-Feb-08 A	30-Jun-08													
CON110	Management Processes, Procedures, Labor & Subcontracts	11-Feb-08 A	30-Jun-08													
CON120	Construction Building & Facilities	11-Feb-08 A	30-Jun-08													
CON130	Module Management, Assembly Pads & Laydown Areas	11-Feb-08 A	30-Jun-08													
CON140	Underground Systems & Utilities	11-Feb-08 A	30-Jun-08													
CON150	Support Design Engineering	11-Feb-08 A	30-Jun-08													
CON160	Roads Heavy Haul Roads, Parking Lots, Railroads & General Laydown Areas	11-Feb-08 A	30-Jun-08													
CON115	Excavation Backfill, Diaphragm Wall Lamppost Pad	11-Feb-08 A	30-Jun-08													
	LWA Construction Support	11-Feb-08 A	30-Jun-08													
CON170	Excavation Backfill, Diaphragm Wall Lamppost Pad	11-Feb-08 A	30-Jun-08													

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Activity ID	Activity Name	Physical % Complete	Remaining Duration	Start	Finish
Levy COLA Review					
Task 11 - Administration					
AT11001	Begin Task 11	100%	0	07-Jan-08 A	23-Apr-08
RAT11050	COLA Package to SS&W	59%	31	07-Jan-08 A	23-Apr-08
AT11060	Management & Administration	59%	31	07-Jan-08 A	23-Apr-08
Site Characteristics - Chapter 2					
Site Characteristics - Chapter 2.4					
RAT11095	Chapter 2.4 of COLA sent to SS&W	0%	0	28-Mar-08	14-Apr-08
AT11134	Internal Discipline Review of Chapter 2.4 of COLA	0%	5	02-Apr-08	09-Apr-08
AT11145	Internal Independent Review of Chapter 2.4 of COLA	0%	5	03-Apr-08	10-Apr-08
AT11055	Prepare Chapter 2.4 comments for transmittal to client	0%	1	10-Apr-08	11-Apr-08
DAT11045	Transmit Chapter 2.4 comments to client	0%	1	11-Apr-08	14-Apr-08
AT11106	Chapter 2.4 of COLA - Complete	0%	0		14-Apr-08
Site Characteristics - Chapter 2.5					
Site Characteristics - Chapter 2.5.1					
RAT11105	Chapter 2.5.1 of COLA sent to SS&W	100%	0	09-Jan-08 A	30-Jan-08 A
AT11144	Internal Discipline Review of Chapter 2.5.1 of COLA	100%	0	09-Jan-08 A	21-Jan-08 A
AT11185	Internal Independent Review of Chapter 2.5.1 of COLA	100%	0	10-Jan-08 A	25-Jan-08 A
AT11205	Prepare Chapter 2.5.1 comments for transmittal to client	100%	0	29-Jan-08 A	29-Jan-08 A
DAT11055	Transmit Chapter 2.5.1 comments to client	100%	0	30-Jan-08 A	30-Jan-08 A
AT11118	Chapter 2.5.1 of COLA - Complete	100%	0		30-Jan-08 A
Site Characteristics - Chapter 2.5.2					
RAT11115	Chapter 2.5.2 of COLA sent to SS&W	0%	0	28-Mar-08	14-Apr-08
AT11154	Internal Discipline Review of Chapter 2.5.2 of COLA	0%	5	02-Apr-08	09-Apr-08
AT11245	Internal Independent Review of Chapter 2.5.2 of COLA	0%	5	03-Apr-08	10-Apr-08
AT11265	Prepare Chapter 2.5.2 comments for transmittal to client	0%	1	10-Apr-08	11-Apr-08

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Remaining Level of Effort
 Actual Work
 Critical Remaining Work

Actual Level of Effort
 Remaining Work
 Milestone

Activity ID	Activity Name	Physical % Complete	Remaining Duration	Start	Finish
DAT11065	Transmit Chapter 2.5.2 comments to client	0%	1	11-Apr-08	14-Apr-08
AT11126	Chapter 2.5.2 of COLA - Complete	0%	0		14-Apr-08
Site Characteristics - Chapter 2.5.2					
RAT11125	Chapter 2.5.3 of COLA sent to SS&W	0%	0	26-Mar-08	26-Mar-08*
AT11164	Internal Discipline Review of Chapter 2.5.3 of COLA	0%	5	31-Mar-08	07-Apr-08
AT11305	Internal Independent Review of Chapter 2.5.3 of COLA	0%	5	01-Apr-08	08-Apr-08
AT11325	Prepare Chapter 2.5.3 comments for transmittal to client	0%	1	08-Apr-08	09-Apr-08
DAT11075	Transmit Chapter 2.5.3 comments to client	0%	1	09-Apr-08	10-Apr-08
AT11136	Chapter 2.5.3 of COLA - Complete	0%	0		10-Apr-08
Site Characteristics - Chapter 2.5.4					
RAT11135	Chapter 2.5.4 of COLA sent to SS&W	0%	0	09-Apr-08	23-Apr-08*
AT11174	Internal Discipline Review of Chapter 2.5.4 of COLA	0%	5	11-Apr-08	18-Apr-08
AT11365	Internal Independent Review of Chapter 2.5.4 of COLA	0%	5	14-Apr-08	21-Apr-08
AT11385	Prepare Chapter 2.5.4 comments for transmittal to client	0%	1	21-Apr-08	22-Apr-08
DAT11085	Transmit Chapter 2.5.4 comments to client	0%	1	22-Apr-08	23-Apr-08
AT11146	Chapter 2.5.4 of COLA - Complete	0%	0		23-Apr-08
Environmental Report (ER)					
Environmental Report - Chapter 1					
RAT11695	ER Chapter 1 of COLA sent to SS&W	100%	0	07-Jan-08 A	17-Jan-08 A
AT11725	Internal Discipline Review of ER Chapter 1	100%	0	08-Jan-08 A	15-Jan-08 A
AT11745	Internal Independent Review of ER Chapter 1	100%	0	10-Jan-08 A	14-Jan-08 A
AT11755	Prepare ER Chapter 1 comments for transmittal to client	100%	0	17-Jan-08 A	17-Jan-08 A
DAT11735	Transmit ER Chapter 1 comments to Progress Energy	100%	0	17-Jan-08 A	17-Jan-08 A
AT11765	ER Chapter 1 of COLA - Complete	100%	0		17-Jan-08 A
Environmental Report - Chapter 2					
RAT11705	ER Chapter 2 of COLA sent to SS&W	0%	0	26-Mar-08	10-Apr-08

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Remaining Level of Effort
 Actual Work
 Critical Remaining Work
 Actual Level of Effort
 Remaining Work
 Milestone

Activity ID	Activity Name	Physical % Complete	Remaining Duration	Start	Finish	January 2008	February 2008	March 2008	April 2008
DAT11425	Transmit LWA & Site Redress Plan comments to Progress Energy	0%	1	22-Apr-08	23-Apr-08				
AT11435	LWA & Site Redress Plan of COLA - Complete	0%	0		23-Apr-08				
Auxiliary Systems - Chapter 9									
RAT11145	Auxiliary Systems Chapter 9 of COLA sent to SS&W	0%	0	08-Apr-08	23-Apr-08				
AT11155	Internal Discipline Review of Auxiliary Systems Chapter 9	0%	5	11-Apr-08	18-Apr-08				
AT11165	Internal Independent Review of Auxiliary Systems Chapter 9	0%	5	14-Apr-08	21-Apr-08				
AT11175	Prepare Auxiliary Systems Chapter 9 comments for transmittal to client	0%	1	21-Apr-08	22-Apr-08				
DAT11205	Transmit Auxiliary Systems Chapter 9 comments to client	0%	1	22-Apr-08	23-Apr-08				
AT11215	Auxiliary Systems Chapter 9 of COLA Complete	0%	0		23-Apr-08				
COLA Review Completion									
AT11090	COLA Reviews - Complete	0%	0	23-Apr-08	23-Apr-08				

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Remaining Level of Effort
 Actual Work
 Critical Remaining Work
 Actual Level of Effort
 Remaining Work
 Milestones

**PAGES 1 - 3
REDACTED**

Levy COLA Review		CDLA Review Schedule							11-Feb-08 09:12													
Activity ID	Activity Name	Physical % Complete	Remaining Duration	Budgeted Duration	Remaining Resources	Resolves	Start	Finish	January 2008			February 2008			March 2008			April 2008				
Levy COLA Review			51	799	682		07-Jan-08 A	23-Apr-08														
Task 11- Administration			51	180	121		07-Jan-08 A	23-Apr-08	▶ 23-Apr-													
AT11001	Begin Task 11	100%	0	0	0		07-Jan-08 A		▶ Begin Task 11													
RAT11050	COLA Package to SS&W	33%	51	0	0		07-Jan-08 A	23-Apr-08	▶													
AT11060	Management & Administration	33%	51	180	121	LE	07-Jan-08 A	23-Apr-08	▶													
Site Characteristics - Chapter 2			19	248	228		09-Jan-08 A	18-Apr-08	▶ 18-Apr-08, Site													
Site Characteristics - Chapter 2.4			11	92	82		28-Mar-08	14-Apr-08	▶ 14-Apr-08, Site Cha													
RAT11085	Chapter 2.4 of COLA sent to SS&W	0%	0	0	0			28-Mar-08	▶ Chapter 2.4 of COLA sent to SS&W													
AT11134	Internal Discipline Review of Chapter 2.4 of COLA	0%	5	40	40	EGE, CSE1	02-Apr-08	08-Apr-08	▶													
AT11145	Internal Independent Review of Chapter 2.4 of COLA	0%	5	40	40	CE	03-Apr-08	10-Apr-08	▶													
AT11055	Prepare Chapter 2.4 comments for transmittal to client	0%	1	8	8	LE	10-Apr-08	11-Apr-08	▶													
DAT11045	Transmit Chapter 2.4 comments to client	0%	1	4	4	DOC	11-Apr-08	14-Apr-08	▶													
AT11106	Chapter 2.4 of COLA - Complete	0%	0	0	0			14-Apr-08	▶ Chapter 2.4 of COLA													
Site Characteristics - Chapter 2.5			19	156	134		08-Jan-08 A	18-Apr-08	▶ 18-Apr-08, Site													
Site Characteristics - Chapter 2.5.1			0	22	0		09-Jan-08 A	30-Jan-08 A	▶ 30-Jan-08 A, Site Characteristics - Chapter 2.5.1													
RAT11105	Chapter 2.5.1 of COLA sent to SS&W	100%	0	0	0			09-Jan-08 A	▶ Chapter 2.5.1 of COLA sent to SS&W													
AT11144	Internal Discipline Review of Chapter 2.5.1 of COLA	100%	0	5	0	EGE	09-Jan-08 A	21-Jan-08 A	▶													
AT11185	Internal Independent Review of Chapter 2.5.1 of COLA	100%	0	5	0	CE	10-Jan-08 A	25-Jan-08 A	▶													
AT11205	Prepare Chapter 2.5.1 comments for transmittal to client	100%	0	8	0	LE	29-Jan-08 A	29-Jan-08 A	▶													
DAT11055	Transmit Chapter 2.5.1 comments to client	100%	0	4	0	DOC	30-Jan-08 A	30-Jan-08 A	▶													
AT11116	Chapter 2.5.1 of COLA - Complete	100%	0	0	0			30-Jan-08 A	▶ Chapter 2.5.1 of COLA - Complete													
Site Characteristics - Chapter 2.5.2			11	28	28		28-Mar-08	14-Apr-08	▶ 14-Apr-08, Site Cha													
RAT11115	Chapter 2.5.2 of COLA sent to SS&W	0%	0	0	0			28-Mar-08	▶ Chapter 2.5.2 of COLA sent to SS&W													
AT11154	Internal Discipline Review of Chapter 2.5.2 of COLA	0%	5	8	8	EGE	02-Apr-08	08-Apr-08	▶													
AT11245	Internal Independent Review of Chapter 2.5.2 of COLA	0%	5	8	8	CE	03-Apr-08	10-Apr-08	▶													

Remaining Level of Effort Actual Work Critical Remaining Work
 Actual Level of Effort Remaining Work Milestone

Levy COLA Review					COLA Review Schedule							11-Feb-08 09:12														
Activity ID	Activity Name	Physical % Complete	Remaining Duration	Budgeted Labor Units	Remaining Labor Units	Resource ID	Start	Finish	January 2008				February 2008				March 2008				April 2008					
									01	02	03	04	01	02	03	04	01	02	03	04	01	02	03	04		
AT11265	Prepare Chapter 2.5.2 comments for transmittal to client	0%	1	8	8	LE	10-Apr-08	11-Apr-08																		
DAT11085	Transmit Chapter 2.5.2 comments to client	0%	1	4	4	DOC	11-Apr-08	14-Apr-08																		
AT11126	Chapter 2.5.2 of COLA - Complete	0%	0	0	0			14-Apr-08																		
Site Characteristics - Chapter 2.5.3			11	28	28		24-Mar-08	08-Apr-08																		
RAT11125	Chapter 2.5.3 of COLA sent to SS&W	0%	0	0	0			24-Mar-08																		
AT11164	Internal Discipline Review of Chapter 2.5.3 of COLA	0%	5	8	8	EGE	27-Mar-08	03-Apr-08																		
AT11305	Internal Independent Review of Chapter 2.5.3 of COLA	0%	5	8	8	CE	28-Mar-08	04-Apr-08																		
AT11325	Prepare Chapter 2.5.3 comments for transmittal to client	0%	1	8	8	LE	04-Apr-08	07-Apr-08																		
DAT11075	Transmit Chapter 2.5.3 comments to client	0%	1	4	4	DOC	07-Apr-08	08-Apr-08																		
AT11136	Chapter 2.5.3 of COLA - Complete	0%	0	0	0			08-Apr-08																		
Site Characteristics - Chapter 2.5.4			11	78	78		03-Apr-08	18-Apr-08																		
RAT11135	Chapter 2.5.4 of COLA sent to SS&W	0%	0	0	0			03-Apr-08																		
AT11174	Internal Discipline Review of Chapter 2.5.4 of COLA	0%	5	40	40	EGE, CSE1	08-Apr-08	15-Apr-08																		
AT11365	Internal Independent Review of Chapter 2.5.4 of COLA	0%	5	28	28	CE	09-Apr-08	16-Apr-08																		
AT11385	Prepare Chapter 2.5.4 comments for transmittal to client	0%	1	8	8	LE	16-Apr-08	17-Apr-08																		
DAT11085	Transmit Chapter 2.5.4 comments to client	0%	1	4	4	DOC	17-Apr-08	18-Apr-08																		
AT11146	Chapter 2.5.4 of COLA - Complete	0%	0	0	0			18-Apr-08																		
Environmental Report (ER)			33	181	145		07-Jan-08 A	28-Mar-08																		
Environmental Report - Chapter 1			0	20	0		07-Jan-08 A	17-Jan-08 A																		
RAT11895	ER Chapter 1 of COLA sent to SS&W	100%	0	0	0			07-Jan-08 A																		
AT11725	Internal Discipline Review of ER Chapter 1	100%	0	8	0	EGE	08-Jan-08 A	15-Jan-08 A																		
AT11745	Internal Independent Review of ER Chapter 1	100%	0	8	0	CE	10-Jan-08 A	14-Jan-08 A																		

■ Remaining Level of Effort ■ Actual Work ■ Critical Remaining Work
 ■ Actual Level of Effort ■ Remaining Work ◆ Milestone

Activity ID	Activity Name	Physical % Complete	Remaining Duration	Budgeted Labor Units	Remaining Labor Units	Resource	Start	Finish	January 2008							February 2008							March 2008							April 2008																	
									01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03
AT11755	Prepare ER Chapter 1 comments for transmittal to client	100%	0	4	0	LE	17-Jan-08 A	17-Jan-08 A																																							
DAT11735	Transmit ER Chapter 1 comments to Progress Energy	100%	0	4	0	DOC	17-Jan-08 A	17-Jan-08 A																																							
AT11765	ER Chapter 1 of COLA - Complete	100%	0	0	0				◆ ER Chapter 1 of COLA - Complete																																						
Environmental Report - Chapter 2																																															
RAT11705	ER Chapter 2 of COLA sent to SS&W	0%	0	59	59		12-Mar-08	28-Mar-08	▼ 28-Mar-08, Environmental Report - Chapter 2 ◆ ER Chapter 2 of COLA sent to SS&W																																						
AT11775	Internal Discipline Review of ER Chapter 2	0%	5	30	30	EGE	17-Mar-08	25-Mar-08																																							
AT11785	Internal Independent Review of ER Chapter 2	0%	5	16	16	CE	18-Mar-08	26-Mar-08																																							
AT11795	Prepare ER Chapter 2 comments for transmittal to client	0%	1	9	9	LE	26-Mar-08	27-Mar-08																																							
DAT11745	Transmit Final ER Chapter 2 comments to Progress Energy	0%	1	4	4	DOC	27-Mar-08	28-Mar-08																																							
AT11805	ER Chapter 2 of COLA - Complete	0%	0	0	0				◆ ER Chapter 2 of COLA - Complete																																						
Environmental Report - Chapter 3																																															
RAT11715	ER Chapter 3 of COLA sent to SS&W	100%	0	29	13		30-Jan-08 A	12-Feb-08	▼ 12-Feb-08, Environmental Report - Chapter 3 ◆ ER Chapter 3 of COLA sent to SS&W																																						
AT11815	Internal Discipline Review of ER Chapter 3	100%	0	8	0	EGE	31-Jan-08 A	06-Feb-08 A																																							
AT11825	Internal Independent Review of ER Chapter 3	100%	0	8	0	CE	01-Feb-08 A	04-Feb-08 A																																							
AT11835	Prepare ER Chapter 3 comments for transmittal to client	0%	1	9	9	LE	11-Feb-08	11-Feb-08																																							
DAT11755	Transmit Final ER Chapter 3 comments to Progress Energy	0%	1	4	4	DOC	12-Feb-08	12-Feb-08																																							
AT11845	ER Chapter 3 of COLA - Complete	0%	0	0	0				◆ ER Chapter 3 of COLA - Complete																																						
Environmental Report - Chapter 4																																															
RAT11725	ER Chapter 4 of COLA sent to SS&W	0%	0	73	73		10-Mar-08	26-Mar-08	▼ 26-Mar-08, Environmental Report - Chapter 4 ◆ ER Chapter 4 of COLA sent to SS&W																																						
AT11855	Internal Discipline Review of ER Chapter 4	0%	5	40	40	EGE	13-Mar-08	20-Mar-08																																							
AT11865	Internal Independent Review of ER Chapter 4	0%	5	20	20	CE	14-Mar-08	24-Mar-08																																							
AT11875	Prepare ER Chapter 4 comments for transmittal to client	0%	1	9	9	LE	24-Mar-08	25-Mar-08																																							

Remaining Level of Effort
 Actual Work
 Critical Remaining Work
 Actual Level of Effort
 Remaining Work
 ◆ Milestone

Activity ID	Activity Name	Physical % Complete	Remaining Duration	Budgeted Labor (hrs)	Remaining Labor (hrs)	Resources	Start Date	Finish Date	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	
DAT11785	Transfer from EC Chapter 4 comments to Progress Energy	0%	1	4	4	DOC	25-Mar-08	26-Mar-08													
AT11985	ER Chapter 4 of COLA - Complete	0%	0	0	0			26-Mar-08													
LWA & Site Redress Plan																					
RAT11395	LWA & Site Redress Plan of COLA sent to S&SW	0%	11	130	130		15-Mar-08	04-Apr-08													
AT11395	Internal Discipline Review of LWA & Site Redress Plan	0%	5	84	84	CSET, EOE	25-Mar-08	01-Apr-08													
AT11405	Internal Independent of LWA & Site Redress Plan	0%	5	50	50	CE	26-Mar-08	02-Apr-08													
AT11415	Prepare LWA & Site Redress Plan comments for transmittal to client	0%	1	12	12	LE	02-Apr-08	03-Apr-08													
DAT11425	Transfer LWA & Site Redress Plan comments to Progress Energy	0%	1	4	4	DOC	03-Apr-08	04-Apr-08													
AT11435	LWA & Site Redress Plan of COLA - Complete	0%	0	0	0			04-Apr-08													
Auxiliary Systems - Chapter 9																					
RAT11145	Auxiliary System Chapter 9 of COLA sent to S&SW	0%	11	60	60		08-Apr-08	23-Apr-08													
AT11155	Internal Discipline Review of Auxiliary Systems Chapter 9	0%	5	24	24	ELE, ME	11-Apr-08	18-Apr-08													
AT11165	Internal Independent Review of Auxiliary Systems Chapter 9	0%	5	24	24	CE	14-Apr-08	21-Apr-08													
AT11175	Prepare Auxiliary System Chapter 9 comments for transmittal to client	0%	1	6	6	LE	21-Apr-08	22-Apr-08													
DAT11205	Transfer Auxiliary Systems Chapter 9 comments to client	0%	1	4	4	DOC	22-Apr-08	23-Apr-08													
AT11215	Auxiliary Systems Chapter 9 of COLA - Complete	0%	0	0	0			23-Apr-08													
COLA Review Completion																					
AT11090	COLA Review - Complete	0%	0	0	0			23-Apr-08													

Remaining Level of Effort
 Actual Work
 Critical Remaining Work
 Actual Level of Effort
 Remaining Work
 Milestones

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TASK Filter: All Activities

(c) Primavera Systems, Inc

◆ ER Chapter 4 of COLA - Complete
 ◆ LWA & Site Redress Plan of COLA sent to S&SW
 ◆ LWA & Site Redress Plan of COLA - Complete
 ◆ Auxiliary Systems Chapter 9
 ◆ COLA Review Completion

**PAGES 1 - 7
REDACTED**



**Nuclear Plant Development
& License Renewal**

Performance Report

August 2007

**Progress Energy, Inc.
410 South Wilmington Street
Raleigh, North Carolina 27601**



Submitted by

Supervisor Projects Controls

A handwritten signature in cursive script, appearing to read 'Lewis Spurgeon', written over a horizontal line.

Approval

General Manager NPD&LR:

A handwritten signature in cursive script, appearing to read 'G. DeMall', written over a horizontal line.

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1. Executive Summary

1.1. Safety

A CH2M Hill subcontract worker slipped backwards off of a drilling platform and bruised his back during deep hole drilling activities at the Levy Site. The worker has been cleared medically and has returned to work. Prosonic, the drilling sub-contractor, has completed corrective actions to modify the drill rig by installing a bigger platform and adding railings.

1.2. Cost

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1.3. Schedule

PEC COLA - The project is 86% complete and trending behind schedule. Delays in NuStart COLA completion is the biggest challenge to the schedule. The project schedule has been updated to reflect an October 31, 2007 NuStart COLA submittal date. Due to the late completion of the NuStart FSAR sections, the COLA submittal date from JVT to Progress Energy is now scheduled for December 17, 2007. Submittal to NRC is scheduled for January 2008.

PEF COLA -The project is 43% complete and trending behind schedule. Fieldwork delays, completing the vibratory ground motion report, and insufficient progress made on certain FSAR and ER Chapters are the biggest challenges to the schedule. JVT is implementing a plan to recover the schedule delays for all critical tasks to improve the targeted COLA submittal date from 8/22/08 to 7/31/08. The COLA must be filed with the NRC by 12/31/08 to be eligible for Production Tax Credits.

PEF Phase 1A Activities – The project is 48% complete and is currently 13 days behind schedule. This is primarily due to the site layout plan not being finalized until August 10th. The current Phase 1A completion date is now scheduled for October 25th. The overall schedule will be re-evaluated due to a redirection of resources to support Price Finalization cost estimate and schedule.

PEF Site Certification Application – The project is approximately 5% complete. A logically tied baseline schedule will be issued with the September monthly status report.

1.4. Key Issues

- Offsite electrical power licensing requirements for passive plants is not resolved. Westinghouse has escalated this issue to NRC management.
- Site specific ITAAC to address soil remediation will be required by the NRC.
- PEF COLA schedule predicts an August 22nd 2008 submittal date. JVT is implementing a plan to recover the schedule for all critical tasks to improve the targeted COLA submittal date to July 31st, 2008.
- Resolution of the site boundary (EAB) as determined by the initial meteorological data.
- Implement remaining process documents for the major project controls functions.

1.5. Look Ahead


- Progress Energy will perform a QA Audit of CH2M Hill during the week of October 1, 2007.
- NRC QA Audit of Progress Energy COLA Development Project is scheduled for the week of October 29, 2007.
- NuStart COLA submittal scheduled for October 31, 2007.

2. Project Performance Data and KPIs

2.1. KPI Summary

See Attachment 1 for more information on the NPD Annunciator Panel of key project metrics.

Project Cost Current Year
Project Cost Total COLA BAP
Major Milestone Achievement



See Attachment II for more information on trending of the JVT COLA Prep cost and schedule performance.

PEF SPI - .90	Yellow
PEF CPI - 1.01	
PEC SPI - .89	Yellow
PEC CPI - 1.08	

Attachments will be updated next month to include Shaw Stone & Webster Phase 1A metrics. As of August 31st the initial Shaw Stone & Webster SPI is .64 (behind schedule) and the CPI is 1.28 (under budget).

2.2. Cost Performance

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2.3. Contract Status (exceeding

REDACTED

2.4. Schedule Performance

2.4.1. PEC COLA Development

Overall COLA project is 86% complete. The Schedule Performance Index (SPI) for the project is .89. The project has trended behind schedule since June 2006. A delay by NuStart in issuing standard FSAR chapters is the biggest contributing factor to the SPI. The COLA submittal date is scheduled for December 17, 2007. The Cost Performance Index (CPI) for the project is 1.08. The project has consistently trended under the approved project baseline budget. The JVT provided updated forecasts in August to reflect current cost projections.

2.4.2. PEF COLA Development

Overall COLA project is 43% complete. The SPI for the project is 0.90. The project has been trending behind schedule since June 2007. Fieldwork delays, completing the vibratory ground motion report, and insufficient progress made on certain FSAR and ER Chapters are the biggest contributing factors to the SPI. JVT is implementing a plan to recover the schedule delays for all critical tasks. JVT will also implement shorter task durations and schedule logic changes to improve targeted COLA submittal from 8/22/08 to 7/31/08. The CPI for the project is 1.01. The project has consistently trended under the approved project baseline budget. The JVT provided updated forecasts in August to reflect current cost projections.

2.4.3. PEF SCA Development

The project is approximately 5% complete. A logically tied baseline schedule will be issued with the September status report.

2.4.4. PEF SS&W Phase 1A Conceptual Design/Planning

Overall Phase 1A project is 48% complete. The SPI for the project is 0.64. The project has trended behind schedule since June 2007. This is primarily due to due delay in finalization of the site layout plan. The current schedule reflects a 13 day delay from the October 5th, 2007 completion date and is now forecasted to be October 25th, 2007. It is anticipated that Phase 1A activities will be further delayed as resources are re-directed to support Price Finalization cost estimate activities. The schedule impact to Phase 1A will be documented via an Impact Evaluation to be submitted by Shaw Stone & Webster.

2.5. Scope Changes

2.5.1. Business Analysis Package (BAP) Changes

A revision to the Business Analysis Package (BAP) for COLA Development was approved on September 12th, 2007. The revision was needed to cover the projected cost of Levy County land acquisition and adjacent land acquisition, annual FEMA fee requirements for new plant applicants, and to start the Site Certification Application process to support the planned commercial operation date for the Levy Nuclear Plant. A new BAP incorporating total plant cost for the Levy Nuclear Plant is currently under development.

2.5.2. PEC Scope Changes Authorized

Since approval of WA Amendment # 4 in April 2007, NPD has approved seven Impact Evaluations for a total of **REDACTED**. These will be incorporated into the next WA Amendment #5. Updated task descriptions to support Amendment #5 will be submitted by the JVT on 10/13/2007. Most of the Impact Evaluations approved were required to support conceptual design work for site specific systems needed for the COLA. In 2007, nine Impact Evaluations approved for a total of **REDACTED**.

2.5.3. PEC Potential and/or Pending Scope Changes

Other potential Progress Energy Carolina scope changes include:

- NRC QA Audit of COLA contractors.
- Wind data analysis & CHI/Q calculations per requirements of Reg. Guide 1.23, Revision 1.
- Filter requirements for Raw Water Systems.
- COLA Peer Review Support.
- New Scope related to FSAR 2.5.

2.5.4. PEF Authorized Scope Changes

Since approval of WA Amendment # 2 in June 2007, NPD has approved 19 Impact Evaluations for a total of **REDACTED**. These will be incorporated into the next WA Amendment #3. Updated task descriptions to support Amendment 3 will be submitted by the JVT on 10/13/2007. Most Impact Evaluations were required to support additional field activities required after selecting the site, and also for conceptual design work for site specific systems needed for the COLA. In 2007, 23 Impact Evaluations approved for a total of

REDACTED

2.5.5. PEF Potential and/or Pending Scope Changes

Other Progress Energy Florida potential scope changes include:

- Siren Study.
- Expediting COLA submittal to July 31st, 2008.
- Soil Resistivity Measurements.
- Evaluation of six month Meteorological Data & CHI/Q calculations to resolve EAB distance related risk.
- Excess storm water conceptual design.

2.6. High Risk Issues

The following risk items identified for Management attention for PEC include:

- Progress Energy QA audit of CH2M Hill in October 2007.
- NRC inspection of COLA contractors QA program in October 2007.
- NRC Acceptance Review of NuStart COLA to be submitted October 2007.

The following risk items identified for Management attention for PEF include:

- Resolution of the site boundary (EAB) as determined by the initial meteorological data.
- Suitability of the soil/rock substrata for AP1000 structures.
- Evaluation of the makeup and blowdown options.

2.7. Organization & Staffing

2.7.1. Permanent Positions

The following authorized positions are vacant/ being recruited in the NPD organization:

- Manager – Nuclear Plant Engineering – vacancy created by promotion of last incumbent, recruiting now in progress.
- Electrical Engineer – vacancy created by resignation, recruiting in progress.
- I&C Engineer – recruiting in progress.
- Sr Engineer – (undesigned discipline), will be posted soon.
- Sr Technical Support Specialist - (undesigned discipline), will be posted soon.

2.7.2. Contract Staff

The following functional areas are covered by contract personnel augmentation via Comensura or Enercon:

- Field & Construction Management.
- Emergency Planning.
- Administrative Reviews.
- Scheduling (part-time support via NGG Fire Protection contract staff).

Plans are underway to secure additional contract support for environmental permitting & licensing.

2.7.3. License Renewal Staffing Transition

A transition plan is being developed for the conclusion of License Renewal activities for HNP. Updates will be provided in subsequent NPD Monthly status reports.

3. Significant Project Decisions

The following significant recently made decisions regarding the HAR and LNP Deployments.

3.1. HAR

- Failure Mode Effects Analysis for the switchyard will be completed per Reg. Guide 1.206 and the NRC Standard Review Plan.
- A separate Technical Support Center will be implemented for the new units.
- Will not excavate the non-active fault that extends to the Unit 2 area prior to COLA submittal.
- To support the ER, will use table top evaluations that show Transmission Right of Way through the county impacted since route is not final.
- Finalize the location of the Cape Fear Make-up.
- An additional 20 cfs will be pulled from the Cape Fear to flow through the lake to meet regulatory limits of liquid effluents.

3.2. LNP

- COLA borings confirming the location & orientation of Units 1&2.
- Conceptual foundation design approach finalized. Compacted fill will be used for the nuclear island, piles will be used for other buildings (i.e.: Turbine, Diesel, and Annex. Buildings).
- Railroad will follow an Eastern route to Dunnellon.
- Transmission line corridors will include three 500kv lines traversing to the South.
- The line voltage from Switchyard to the Reserve Auxiliary Transformer is 500kv, not 69kv.
- Utilizing a combined Switchyard for both units instead of separate Switchyard.
- The freshwater source for Potable, Demineralized, and Service Water Cooling Tower systems.

- The north bank of the Barge Canal is the tentatively selected option for the Blowdown discharge into the Gulf.
- The Barge Canal is the option selected for the Make-up water intake.

4. Self-Evaluation results

4.1. Self Assessments and Audits

Upcoming assessments/ audits include:

- Audit of Worley Parsons - Late August 2007.
- Audit of Sargent and Lundy - Mid September 2007.
- Re-Audit of CH2M Hill – October 1st, 2007.
- NRC QA Audit of COLA contractors – October 29th, 2007.
- Financial charging Practices – October 31st, 2007.
- PES Audit of NPD – November 5th, 2007.

4.2. NPD Corrective Action Program (CAP)

The following NPD NCRs have been written during 3rd Quarter 2007

- 245231 – Personal injury to contractor during core boring activities at Levy.
- 247430 – Personal injury to contract diver during aquatic sampling at Levy.
- 247809 – Incorrect primary route list was noted on NPD assignments in Passport.
- 245364 – Heighten awareness of wording and content contained in COLA documents.

NPD will provide CAP update to CSERB on October 16th, 2007.

4.3. NPD Benchmarking

NPD Self Assessment & Benchmark Coordinator has been named and will complete Passport set up of 2008 plans. No formal benchmarks have been completed during the 3rd Quarter 2007.

4.4. NPD Quality Assurance Activities

NGGM-PM-0030 formally documents existing business philosophy to use existing NGGC procedures and processes to implement Appendix B for new plant activities.

4.4.1. CH2M Hill Recovery Plan

The history and current status of the CH2M Hill QA recovery plan is as follows:

- Progress Energy (PE) Audit of CH2M Hill conducted – March 5 - 8, 2007.
- Stop work order verbally issued by audit team - March 8, 2007.
- Stop work order issued in writing – March 12, 2007.
- Stop work order lifted by PE – May 1, 2007.
- Stop work order lifted based on PE's review and acceptance of CH2M Hill Recovery Plan and Corrective Actions including revisions to the Corporate QA Manual; QA Implementing Procedures; Project Quality Plan; Project Instructions; and the retraining of Project personnel.
- CH2M Hill Compensatory Measures documented in rev. 1 of Recovery Plan were:
 - Require an independent review of all deliverables by the CH2M Hill Recovery Manager.
 - Require a readiness review of all deliverables by the CH2M Hill Management Review Board prior to delivery.
 - Require an intermediate effectiveness review of the corrective actions by CH2M Hill and JVT.
 - Revised CH2M Hill Recovery Plan and Corrective Actions transmitted to PE on June 11, 2007.
 - Revised Recovery Plan and Project Instruction reduced compensatory measures put in place by CH2M Hill without providing a basis for reduction in neither review activities nor objective evidence from management surveillances for improved performance.
- Intermediate effectiveness review of the corrective actions by CH2M Hill and JVT has not been conducted.
- PE reviewers identified numerous problems with recently completed and submitted CH2M Hill deliverables.
- Progress Energy management concerns with CH2M Hill revised actions and performance discussed during JVT Quarterly Meeting – June 20, 2007.

4.4.2. NPD Quality Assurance Plan

Quality Assurance Plan for Nuclear Plant Development and Construction Activities is included in NGG Program Manual and approved by Scotty Hinnant, as Chief Nuclear Officer. NGGM-PM-0030, Quality Assurance Plan for New Nuclear Plant Development and Construction Activities, Revision 0 issued and effective June 25, 2007.

4.4.3. Planned COLA Reviews

- Peer reviews of Emergency Plan, Security Plan and Environmental Report COLA. Review includes technical, licensing and administrative review.
- An Integrated review includes Corporate Reg Affairs, QA and NPD.
- Final review will incorporate any required changes from the NRC sufficiency review of the Reference COLA.

5. Engineering Update

5.1. PEF Land Acquisition

NPD formally requested approval from PGN senior management in mid-August to purchase and close on the Levy site Rayonier property. This approval was granted and the seller was notified of our intent to close on the property on or before Sept 14th, 2007. NPD will support the development of closing documents, particularly associated with the perpetual easement location.

Negotiations continue for adjacent parcels that would be used for permanent construction/operations driveway entrances and piping/heavy haul conveyances.

5.2. PEF Field Activities

Field activities continue at Levy, including the boring of two deep ~ 500 holes at each reactor location. These holes will provide additional information on shear wave velocities below 250', and also further substantiate the absence of large karst formations at these deeper depths.

DOT has visited the site with PGN staff for the purpose of laying out a new temporary drive way access that enters the site on Rayonier property from Highway 19. This new driveway installation will be pursued with DOT following closing on the property sale. Plans are also being made to also install gates and postings on the Rayonier site following closing.

Borings at the Barge Canal shored have been successfully completed, and equipment has been demobilized.

5.3. PEF Site Engineering

LNP site engineering efforts are well underway with SS&W executing Phase 1A conceptual site design and conceptual construction planning. This activity is scheduled to complete in early October 2007. The JVT in concert with PGN management finalized the locations of the power blocks, switchyard, and cooling towers. This information was then transmitted to SS&W to begin conceptual layout of all other temporary and permanent facilities. As this effort progresses, the JVT then works with SS&W to create the grading and drainage plan for the site, which is a COLA input.

The first six months of Met tower data showed more calm periods than expected as compared to the CR3 met tower. CH2M Hill is currently evaluating the data to determine the associated Xi/Q values and determine how the EAB distance is affected.

5.4. HAR Field Activities

Currently, there are no field activities in progress at HAR.

5.5. HAR Site Engineering

HAR site engineering efforts at this time only include those decisions necessary for COL development. SS&W has been contracted to provide a "constructability review" of the certain specific sections of the HAR COLA to ensure there are not statements inconsistent with their plans/capabilities to construct the plant. HAR Phase 1A SS&W conceptual design and planning is estimated to start late 2007 or early 2008.

5.6. AP1000 Design Activities

DCD revision 16 now under review by the NRC has includes several important changes needed for the HAR and LNP sites including:

- Resolution of Xi/Q and associated Control Doses
- Inclusion of security feature physical changes
- Changes to ambient temperature limits (wet bulb and dry bulb) for siting in Florida
- Addition of multiple tanks in the radwaste building to increase hold-up capacity for effluent management.
- Reactor Auxiliary Transformer with Fast Bus Transfer

6. Licensing Update

6.1. Harris

Current schedule predicts a COLA submittal date of 1/30/08 – Delay due to late submittal of NuStart sections. NRC Environmental records assessment planned for 9/16/07. NRC Public Information meeting 9/18/07. A meeting with local government officials will also to be held.

6.2. Levy

Current schedule predicts a COLA submittal date of 8/22/08 and must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits. NRC Pre-Application environmental visit completed 8/19/07.

We expect that LWA will be desired to support soil remediation (backfill) and other construction activities prior to COL. Construction schedule and tasks are being evaluated to determine scope of LWA.

Site Certification Application (SCA) scheduled for submittal in June 2008. We anticipate that pre-construction work will require permits to be issued in advance of SCA. Scope and schedule for required permits is being developed.

6.3. Regulatory Update

The revised 10 CFR Part 52 was officially issued during August 2007.

7. License Renewal Update

7.1. HNP License Renewal Application Review

NRC Audits have been completed. NRC RAIs are being processed.

7.2. CR3 License Renewal Application Development

IPA calculations are in progress for ECCS, Fire Services & Sampling, Raw Water and Steam systems. Civil AMR for outside areas is approximately 65% complete. Project is on schedule with license submittal September 2008.

8. NuStart Development LLC Update

NuStart remains on schedule for submission of the Bellefonte reference AP1000 COLA in late October 2007. The decision was made by NuStart to accept Dominion's North Anna Station as the reference ESBWR COL, and as a result decided to delay the submittal of NuStart's ESBWR COLA for Grand Gulf to February 2008. NuStart is also developing a process for configuration control/change management of DCD/COLA after COL submittal.

9. APOG LLC Update

The APOG LLC (which stands for Advanced Passive 1000 Owners Group) was officially formed in August 2007, with initial members consisting of Progress Energy, SCANA, Duke Energy, and Southern. The first kick-off meeting was scheduled for early September 2007.

10. Public and Media Interaction

The NRC scheduled a pre-application public visit for the Harris COLA in Apex NC for mid-September 2007.

11. Attachment I – NPD Annunciator Panel

As of 8/31/07

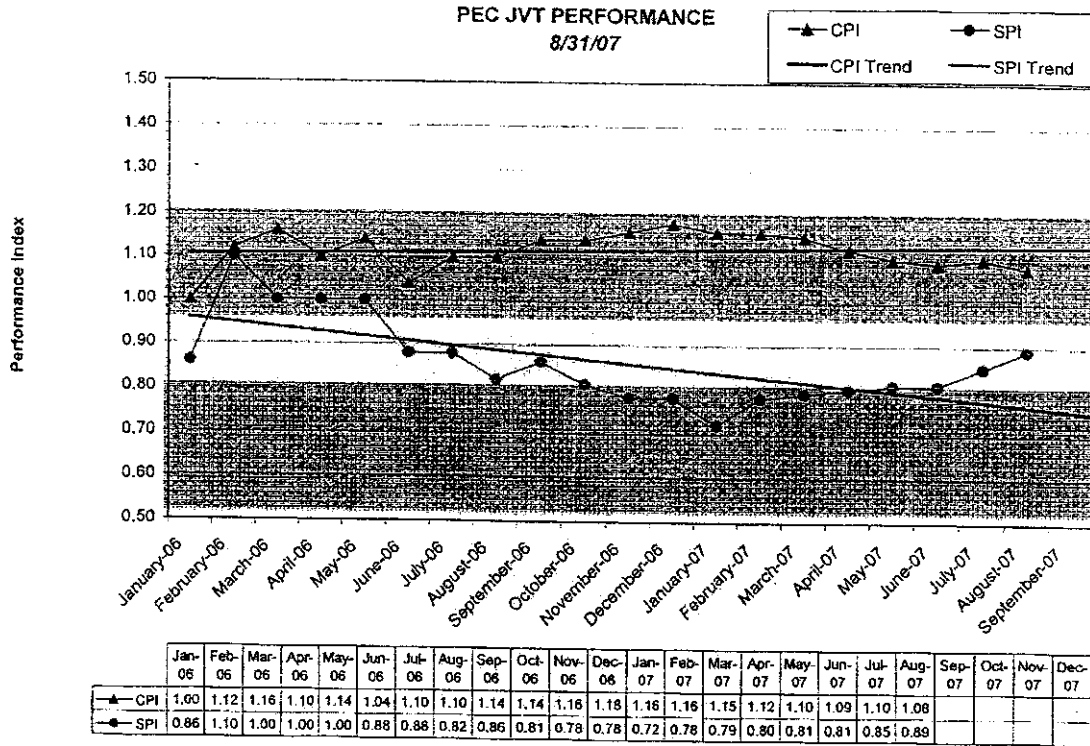
JVT KPI		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; text-align: center;">PEC</th> <th style="width: 50%; text-align: center;">PEF</th> </tr> <tr> <td style="text-align: center;">Cost Performance Index (CPI)</td> <td style="text-align: center;">Schedule Performance Index (SPI)</td> </tr> </table>	PEC	PEF	Cost Performance Index (CPI)	Schedule Performance Index (SPI)
PEC	PEF					
Cost Performance Index (CPI)	Schedule Performance Index (SPI)					
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On Target
 In Jeopardy
 Off Target
 Not Stated

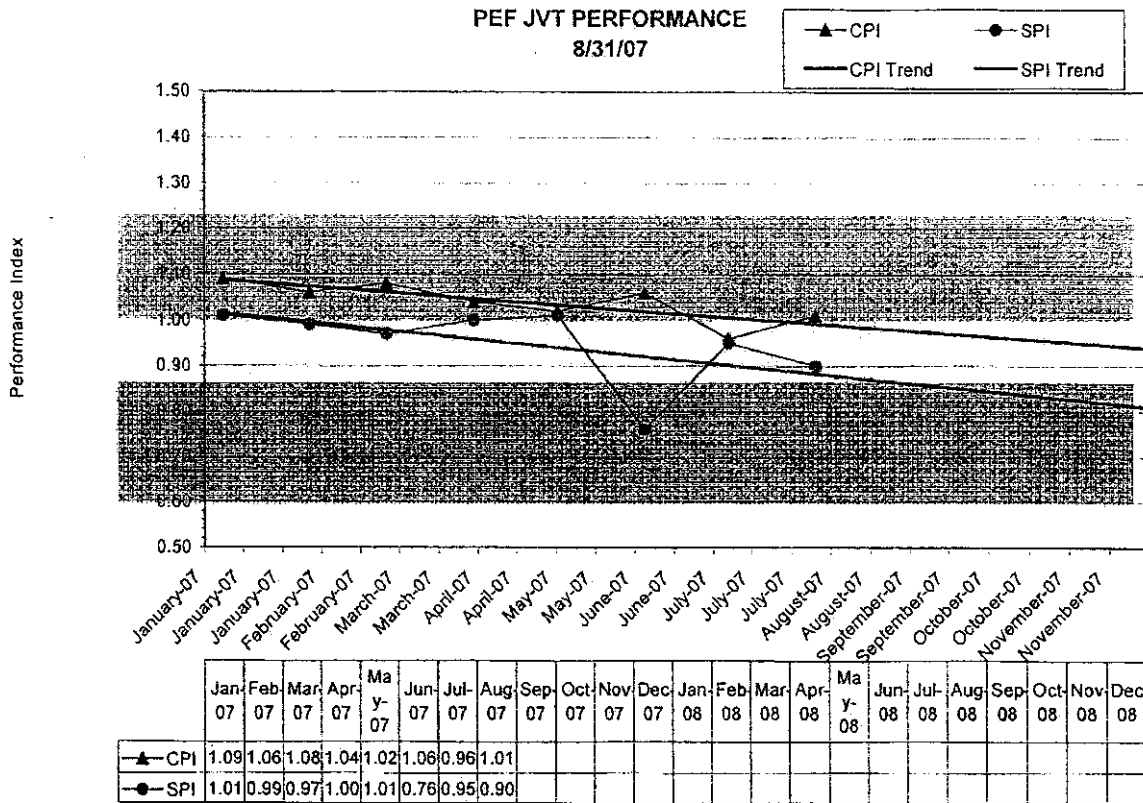
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12. Attachment II – JVT COL Development Performance

12.1. PEC COLA Performance



12.2. PEF COLA Performance



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**Nuclear Plant Development
& License Renewal**

Performance Report


September 2007

**Progress Energy, Inc.
410 South Wilmington Street
Raleigh, North Carolina 27601**



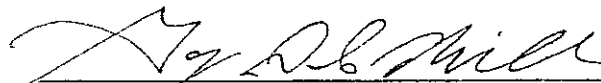
Submitted by

Supervisor Projects Controls



Approval

General Manager NPD&LR:



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1. Executive Summary

1.1. Safety

On September 13th 2007, a dive team member from CSA International, a CH2M Hill subcontractor, was injured while conducting a sea grass survey near the proposed Levy Site. The diver was exiting the water in full scuba gear by climbing the dive ladder that was fixed to the boat. The diver lost her balance while standing on the dive ladder causing a sensation similar to a muscle pull in the right hip. Work was stopped and immediate actions were taken to interview dive team members and review the ladder arrangement for divers exiting the water. No dangers or weaknesses were found. There was no medical attention needed or time lost from work. CH2M Hill has completed a safety review of the incident and submitted to NPD.

1.2. Cost

REDACTED

1.3. Schedule

PEC COLA - The project is 90% complete. The project schedule has been updated to reflect an October 31, 2007 NuStart COLA submittal date. Due to the late completion of the NuStart FSAR sections and the Security Plan, the COLA submittal date from JVT to Progress Energy is now scheduled for December 17, 2007. Submittal to the NRC is scheduled for January 2008.

PEF COLA -The project is 47% complete. Fieldwork delays, completing the vibratory ground motion report, and insufficient progress made on certain FSAR and ER Chapters are the biggest challenges to the schedule. JVT is developing a plan to expedite the schedule to improve the targeted COLA submittal date from 8/22/08 to 7/31/08. The COLA must be filed with the NRC by 12/31/08 to be eligible for Production Tax Credits.

PEF Phase 1A Activities – The project is 69% complete. An impact evaluation has been submitted by Shaw to revise the target completion date from 10/25/07 until 12/18/07. This is due to the redirection of resources to support price finalization work and receipt of required documentation from the JVT needed to complete remaining preliminary engineering packages.

PEF Site Certification Application – The project is 6% complete and currently on schedule. Meeting scheduled October 19th to discuss new schedule for ER to support the SCA submittal date.

1.4. Key Issues

- Site specific ITAAC to address soil remediation will be required by the NRC.
- PEF COLA schedule predicts an August 22nd 2008 submittal date. JVT is reviewing what actions are required to expedite the schedule to enable COLA submittal by July 31st, 2008.
- Issue project control process documents for change control and schedule control management.
- LNP pre-construction activities will require permits in advance of the SCA to support the schedule.

1.5. Look Ahead

- EPC Negotiation session October 23rd through October 25th.
- NRC QA Audit of Progress Energy COLA Development Project is scheduled for the week of October 29, 2007.
- NuStart Reference COLA submittal scheduled for October 31, 2007.
- PES Assessment scheduled for 11/5/07.
- AP1000 Standard Plant Cost Book completion scheduled for 11/30/07.
- Harris COLA submittal scheduled for January 2008.

2. Project Performance Data and KPIs

2.1. KPI Summary

See Attachment 1 for more information on the NPD Annunciator Panel of key project metrics.

Project Cost Current Year	Yellow
Project Cost Total COLA BAP	
Major Milestone Achievement	

See Attachment II for more information on trending of the JVT COLA Prep cost and schedule performance.

PEF COLA SPI - .85	Yellow
PEF COLA CPI - 1.02	
PEC COLA SPI - .94	Yellow
PEC COLA CPI - 1.12	
Shaw PH 1A SPI - .81	Yellow
Shaw PH 1A CPI - 1.29	
SCA SPI - 1.01	
SCA CPI - .70	Yellow

The SCA budget overrun is due to initial mobilization and project setup. No additional budget request is anticipated as a result of the current overrun.

2.2. Cost Performance

REDACTED

**PAGE 7
REDACTED**

2.3. Contract Status (exceeding \$ 100k)

REDACTED

2.4. Schedule Performance

2.4.1. PEC COLA Development

Overall COLA project is 90% complete. The Schedule Performance Index (SPI) for the project is .94. The SPI has trended behind schedule since June 2006. A delay by NuStart in issuing standard FSAR chapters is the biggest contributing factor to the SPI. Delays in completing the Security Plan have also contributed to the SPI. The COLA submittal date to the NRC is scheduled for January, 2008. The Cost Performance Index (CPI) for the project is 1.12. The project CPI has consistently trended under the approved project baseline budget.

2.4.2. PEF COLA Development

Overall COLA project is 47% complete. The SPI for the project is 0.85. The SPI has been trending behind schedule since June 2007. Fieldwork delays, completing the vibratory ground motion report, and insufficient progress made on certain FSAR and ER Chapters are the biggest contributing factors to the SPI. JVT is implementing a plan to expedite the schedule for all critical tasks. JVT will also implement shorter task durations and schedule logic changes to improve targeted COLA submittal date from 8/22/08 to 7/31/08. The CPI for the project is 1.02. The CPI has consistently trended under the approved project baseline budget.

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2.4.3. PEF SCA Development

The project is approximately 6% complete. The SPI for the project is 1.01 and on schedule. The CPI is .70 and is slightly over budget due to initial mobilization and project setup costs. No additional budget request is anticipated. A logically tied baseline schedule is being finalized and will be discussed during the October 25th status call.

2.4.4. PEF SS&W Phase 1A Conceptual Design/Planning

Overall Phase 1A project is 69% complete. The SPI for the project is 0.81. The project has trended behind schedule since June 2007. This is primarily due to delay in finalization of the site layout plan. An impact evaluation has been submitted by Shaw to revise the target completion date from 10/25/07 until 12/18/07. This is due to the redirection of resources to support price finalization work and receipt of required documentation from the JVT needed to complete remaining preliminary engineering packages.

2.5. Scope Changes**2.5.1. Business Analysis Package (BAP) Changes**

Revision 1 to the Business Analysis Package (BAP) for COLA Development was approved on September 12th, 2007. The revision was needed to cover the projected cost of Levy County land acquisition and adjacent land acquisition, annual FEMA fee requirements for new plant applicants, and to start the Site Certification Application process to support the planned commercial operation date for the Levy Nuclear Plant. A new BAP (will be Revision 2) incorporating total plant cost for the Levy Nuclear Plant is currently under development.

2.5.2. PEC Scope Changes Authorized

Since approval of JVT WA Amendment # 4 in April 2007, NPD has approved ten Impact Evaluations for a total of **REDACTED**. These will be incorporated into the next WA Amendment #5. Updated task descriptions to support Amendment #5 are to be submitted by the JVT in October. Most of the Impact Evaluations approved were required to support conceptual design work for site specific systems needed for the COLA and for new scope items required for FSAR 2.5. In 2007, 14 Impact Evaluations have been approved or are pending approval for a total of

REDACTED

2.5.3. PEC Potential and/or Pending Scope Changes

Other potential Progress Energy Carolina scope changes include:

- Support the NRC QA Audit support.
- Wind data analysis & CHI/Q calculations per requirements of Reg. Guide 1.23, Revision 1.
- Determine filter requirements for Raw Water Systems.
- Provide COLA Peer Review Support.
- Complete NuStart document deletion process implementation.
- Support NRC Pre-application ER review.

2.5.4. PEF Authorized Scope Changes

Since approval of JVT WA Amendment # 2 in June 2007, NPD has approved 20 Impact Evaluations for a total of **REDACTED**. These will be incorporated into the next WA Amendment #3. Updated task descriptions to support Amendment 3 are to be submitted by the JVT in October. Most Impact Evaluations were required to support additional field activities required after selecting the site, and also for conceptual design work for site specific systems needed for the COLA. In 2007, 24 Impact Evaluations have been approved or are pending approval for a total of **REDACTED**. The large number of Impact Evaluations and associated cost is due to the Levy Site not being selected at the time the COLA work started.

2.5.5. PEF Potential and/or Pending Scope Changes

Other Progress Energy Florida potential scope changes include:

- Completing the Siren Study. (JVT is not completing the study; instead, a contract has been established with a separate vendor).
- Expediting COLA submittal to July 31st, 2008.
- Complete Soil Resistivity Measurements.
- Evaluation of six month Meteorological Data & CHI/Q calculations to resolve EAB distance related risk.
- Independent review of down-hole measurements.
- Estimate to complete fieldwork at Levy.
- Develop maximum 100 year wet bulb and dry bulb temperature (100 year return period basis).

2.6. High Risk Issues

The following risk items identified for Management attention for PEC include:

- Progress Energy QA audit of CH2M Hill in October 2007.
- NRC inspection of COLA QA program in October 2007.
- NRC Acceptance Review of NuStart COLA to be submitted late October 2007.
- Expectations for water requirements from the Cape Fear River.

The following risk items identified for Management attention for PEF include:

- Resolution of the site boundary (EAB) as determined by the initial 6 months of meteorological data.
- Suitability of the soil/rock substrata for AP1000 structures.
- Evaluation & environmental impacts of the makeup and blowdown options.
- Permits for pre-construction activities required to support the commercial operation date.
- Develop maximum 100 year wet bulb and dry bulb temperature (100 year return period basis).

2.7. Organization & Staffing

2.7.1. Permanent Positions

The following authorized positions are vacant/ being recruited in the NPD organization:

- Manager – Nuclear Plant Engineering – vacancy created by promotion of last incumbent, recruiting now in progress.
- Electrical Engineer – vacancy created by resignation, recruiting in progress.
- I&C Engineer – recruiting in progress.
- Sr Engineer – (undesignated discipline), will be posted soon.
- Sr Technical Support Specialist - (undesignated discipline), will be posted soon.

2.7.2. Contract Staff

The following functional areas are covered by contract personnel augmentation:

- Field & Construction Management.
- Emergency Planning.
- COLA Administrative Reviews.
- Scheduling (part-time support via NGG Fire Protection contract staff).

Plans are underway to secure additional contract support for environmental permitting & licensing.

2.7.3. License Renewal Staffing Transition

A transition plan is being developed for the conclusion of License Renewal activities for HNP. Updates will be provided in subsequent NPD Monthly status reports.

3. Significant Project Decisions

The following significant recently made decisions regarding the Harris and Levy Deployments.

3.1. PEC

- Failure Mode Effects Analysis for the switchyard will be completed per Reg. Guide 1.206 and the NRC Standard Review Plan.
- Technical Support Center will be in the nuclear island as originally designed by Westinghouse.
- Will not excavate the non-active fault that extends to the Unit 2 area prior to COLA submittal.
- To support the ER, will use table top evaluations that show Transmission Right of Way through the county impacted since route is not final.
- Location of the Cape Fear Make-up was finalized.

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3.2. PEF

- COLA borings confirming the location & orientation of Units 1&2.
- Conceptual foundation design approach finalized. Compacted fill will be used for the nuclear island, piles will be used for other buildings (i.e.: Turbine, Diesel, and Annex. Buildings).
- Railroad will follow an Eastern route to Dunnellon.
- Transmission line corridors will include three 500kv lines traversing to the South.
- Utilizing a combined Switchyard for both units instead of separate Switchyard.
- The freshwater source for Potable, Demineralized, and Service Water Cooling Tower systems is well water.
- The north bank of the Barge Canal is the tentatively selected option for the Blowdown discharge into the Gulf.
- The Barge Canal is the option selected for the Make-up water intake.

4. Self-Evaluation Results

4.1. Self Assessments and Audits

Upcoming assessments/ audits include:

- Re-Audit of CH2M Hill – October 1st, 2007.
- NRC QA Audit of COLA contractors – October 29th, 2007.
- Financial charging Practices – 4th Quarter, 2007.
- PES Audit of NPD – November 5th, 2007.

4.2. NPD Corrective Action Program (CAP)

The following NPD NCRs have been written during 3rd Quarter 2007

- 245231 – Personal injury to contractor during core boring activities at Levy.
- 247430 – Personal injury to contract diver during aquatic sampling at Levy.
- 247809 – Incorrect primary route list was noted on NPD assignments in Passport.
- 245364 – Heighten awareness of wording and content contained in COLA documents.
- 252015 – Improvement opportunities for monitoring vendor performance.

NPD will provide CAP update to CSERB on October 16th, 2007.

4.3. NPD Benchmarking

NPD Self Assessment & Benchmark Coordinator has been named and will complete Passport set up of 2008 plans. No formal benchmarks have been completed during the 3rd Quarter 2007.

4.4. NPD Quality Assurance Activities

NGGM-PM-0030 formally documents existing business philosophy to use existing NGGC procedures and processes to implement Appendix B for new plant activities.

4.4.1. CH2M Hill Recovery Plan

The history and current status of the CH2m Hill QA recovery plan is as follows:

- Progress Energy (PE) Audit of CH2M Hill conducted – March 5 - 8, 2007.
- Stop work order verbally issued by audit team - March 8, 2007.
- Stop work order issued in writing – March 12, 2007.
- Stop work order lifted by PE – May 1, 2007.
- Stop work order lifted based on PE's review and acceptance of CH2M Hill Recovery Plan and Corrective Actions including revisions to the Corporate QA Manual; QA Implementing Procedures; Project Quality Plan; Project Instructions; and the retraining of Project personnel.
- CH2M Hill Compensatory Measures documented in rev. 1 of Recovery Plan were:
 - Require an independent review of all deliverables by the CH2M Hill Recovery Manager.
 - Require a readiness review of all deliverables by the CH2M Hill Management Review Board prior to delivery.
 - Require an intermediate effectiveness review of the corrective actions by CH2M Hill and JVT.
 - Revised CH2M Hill Recovery Plan and Corrective Actions transmitted to PE on June 11, 2007.
 - Revised Recovery Plan and Project Instruction reduced compensatory measures put in place by CH2M Hill without providing a basis for reduction in neither review activities nor objective evidence from management surveillances for improved performance.
- PE reviewers identified numerous problems with recently completed and submitted CH2M Hill deliverables.
- Progress Energy management concerns with CH2M Hill revised actions and performance discussed during JVT Quarterly Meeting – June 20, 2007.

4.4.2. NPD Quality Assurance Plan

Quality Assurance Plan for Nuclear Plant Development and Construction Activities is included in NGG Program Manual and approved by Scotty Hinnant, as Chief Nuclear Officer. NGGM-PM-0030, Quality Assurance Plan for New Nuclear Plant Development and Construction Activities, Revision 0 issued and effective June 25, 2007.

4.4.3. Planned COLA Reviews

- Peer reviews of Emergency Plan, Security Plan and Environmental Report COLA. Review includes technical, licensing and administrative review.
- An independent review includes Corporate Reg Affairs, QA and NPD.
- Final review will incorporate any required changes from the NRC sufficiency review of the Reference COLA that have been identified by year end.

5. Engineering Update

5.1. PEF Land Acquisition

NPD formally requested approval from PGN senior management in mid-August to purchase and close on the Levy site Rayonier property. This approval was granted and the seller was notified of our intent to close on the property on or before Sept 14th, 2007. NPD will support the development of closing documents, particularly associated with the perpetual easement location.

Negotiations continue for adjacent parcels that would be used for permanent construction/operations driveway entrances and piping/heavy haul conveyances.

5.2. PEF Field Activities

Field activities continue at Levy, including the boring of two deep ~ 500 holes at each reactor location. These holes will provide additional information on shear wave velocities below 250', and also further substantiate the absence of large karst formations at these deeper depths.

DOT has visited the site with PGN staff for the purpose of laying out a new temporary drive way access that enters the site on Rayonier property from Highway 19. This new driveway installation will be pursued with DOT following closing on the property sale. Plans are also being made to also install gates and postings on the Rayonier site following closing.

Borings at the Barge Canal shored have been successfully completed, and equipment has been demobilized.

5.3. PEF Site Engineering

LNP site engineering efforts are well underway with SS&W executing Phase 1A conceptual site design and conceptual construction planning. This activity is scheduled to complete in early October 2007. The JVT in concert with PGN management finalized the locations of the power blocks, switchyard, and cooling towers. This information was then transmitted to SS&W to begin conceptual layout of all other temporary and permanent facilities. As this effort progresses, the JVT then works with SS&W to create the grading and drainage plan for the site, which is a COLA input.

The first six months of Met tower data showed more calm periods than expected as compared to the CR3 met tower. CH2M Hill is currently evaluating the data to determine the associated Xi/Q values and determine how the EAB distance is affected.

5.4. PEC Field Activities

Currently, there are no field activities in progress at HAR.

5.5. PEC Site Engineering

HAR site engineering efforts at this time only include those decisions necessary for COL development. SS&W has been contracted to provide a "constructability review" of the certain specific sections of the HAR COLA to ensure there are not statements inconsistent with their plans/capabilities to construct the plant. HAR Phase 1A SS&W conceptual design and planning is estimated to start late 2007 or early 2008.

5.6. AP1000 Design Activities

DCD revision 16 includes several important changes needed for the HAR and LNP sites including:

- Resolution of Xi/Q and associated Control Doses
- Inclusion of security feature physical changes
- Changes to ambient temperature limits (wet bulb and dry bulb) for siting in Florida
- Addition of multiple tanks in the radwaste building to increase hold-up capacity for effluent management.
- Reactor Auxiliary Transformer with Fast Bus Transfer

The NRC has not docketed DCD Revision 16.

6. Licensing Update

6.1. PEC

Current schedule predicts a COLA submittal date of 1/30/08 – Delay due to late submittal of NuStart sections and to allow incorporation of NRC comments regarding the R-COLA. NRC Environmental records assessment completed on 9/18/07. NRC stated that documents appeared to meet NUREG 1555 requirements but some work was needed to make the report more clear on how conclusions were reached. NRC Public Information meeting was held on 9/18/07. A meeting with local government officials was also held.

There is community interest in the following activities associated with the Harris COLA:

- We anticipate that water usage will be a significant interest area from state regulators and local residents. The current drought conditions have increased the focus in this area.
- We expect that the Western Wake Reclamation Facility will request that we accept discharge of this facility into Harris Lake.
- There is interest by the News & Observer in the results of the Evacuation Time Estimate (ETE) study performed for Harris Emergency Plan. The News & Observer may run a story regarding this report.

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6.2. PEF

Current schedule predicts a COLA submittal date of 8/22/08. The COLA must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits. JVT is reviewing actions needed to improve submittal date to July 30, 2007 but if that is practical has not been determined.

We expect that LWA will be desired to support soil remediation (backfill) and other construction activities prior to COL. Construction schedule and tasks are being evaluated to determine scope of LWA.

Site Certification Application (SCA) is scheduled for submittal in June 2008. We anticipate that pre-construction work will require permits to be issued in advance of SCA. We anticipate that this will be a significant challenge to the LNP schedule and may be the critical path for the LNP project. Scope and schedule for required permits is being developed and meetings with the state agencies will be setup to review permitting needs.

6.3. Regulatory Update

The revised 10 CFR Part 52 was officially issued during August 2007. The NRC also issued guidelines for COLA Acceptance Review (NRO-REG-100) on September 26, 2007.

7. License Renewal Update

7.1. HNP License Renewal Application Review

NRC Audits have been completed. NRC RAIs are being processed.

7.2. CR3 License Renewal Application Development

IPA calculations are in progress for ECCS, Fire Services & Sampling, Raw Water and Steam systems. Civil AMR for outside areas is approximately 65% complete. Project is on schedule with license submittal January 2009.

8. NuStart Development LLC Update

NuStart remains on schedule for submission of the Bellefonte reference AP1000 COLA in late October 2007. The decision was made by NuStart to accept Dominion's North Anna Station as the reference ESBWR COL, and as a result decided to delay the submittal of NuStart's ESBWR COLA for Grand Gulf to February 2008. NuStart is also developing a process for configuration control/change management of DCD / COLA after COL submittal.

9. APOG LLC Update

The APOG LLC (which stands for Advanced Passive 1000 Owners Group) was officially formed in August 2007, with initial members consisting of Progress Energy, SCANA, Duke Energy, and Southern. The first kick-off meeting was scheduled for early September 2007.

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10. Public and Media Interaction

The NRC scheduled a pre-application public visit for the Harris COLA in Apex NC for mid-September 2007.

Attachment I – NPD Annunciator Panel

NPD Annunciator Panel
As of 9/30/07

JVT Earned Value Metrics

	PEC	PEF
Cost Performance Index (CPI)	Schedule Performance Index (SPI)	

SSW Earned Value Metrics

Cost Performance Index (CPI)	Schedule Performance Index (SPI)

Project Cost Performance

***In future years, indicators will reflect cost comparisons to both Authorized and to Budget.*

YTD Authorized** vs YTD Actual Cost	Yr End Authorized** vs Year End Projection

COLA BAP Total Authorized** vs Projected COLA BAP

Integrated Schedule Adherence

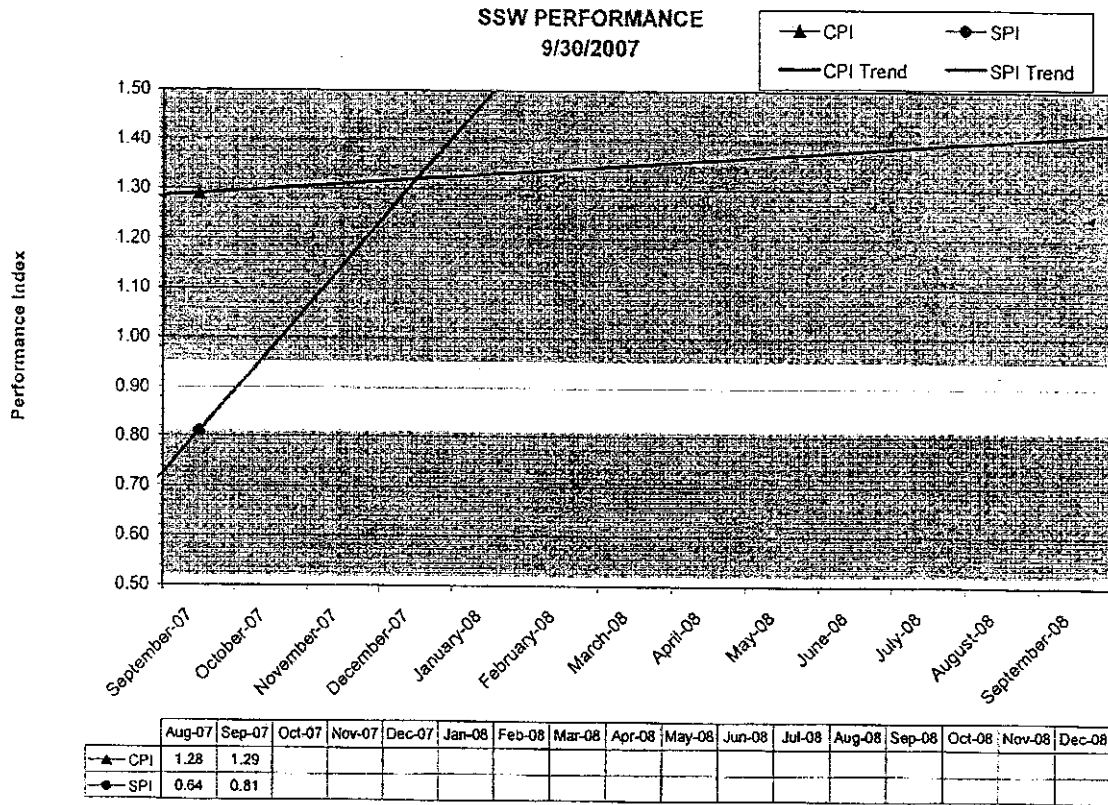
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On Target
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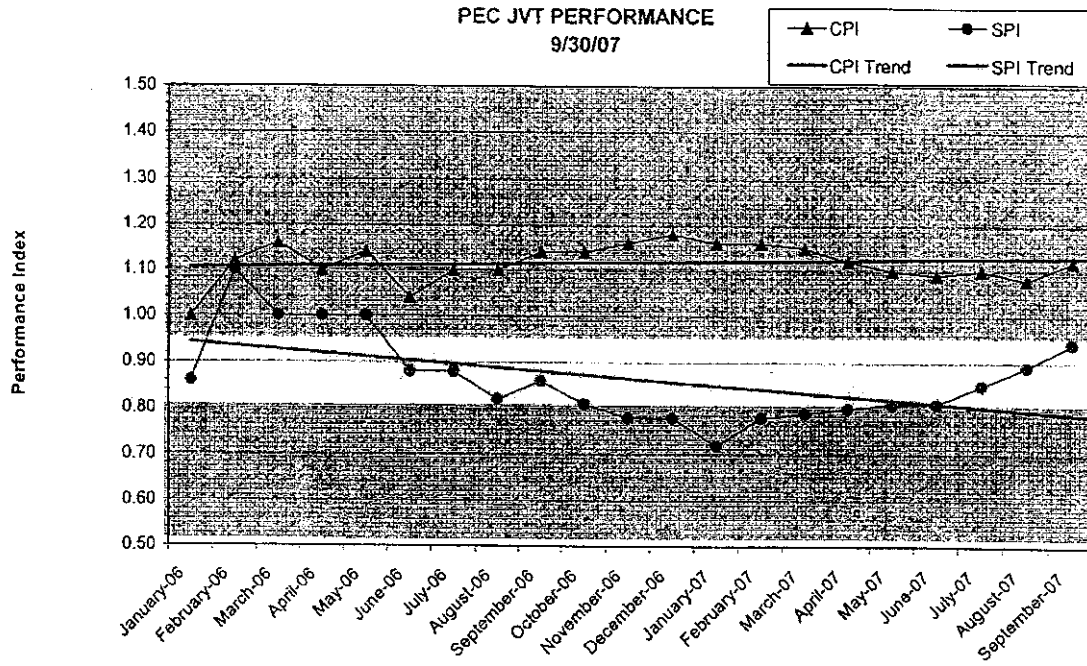
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Attachment II – COL Development Performance

Shaw Performance

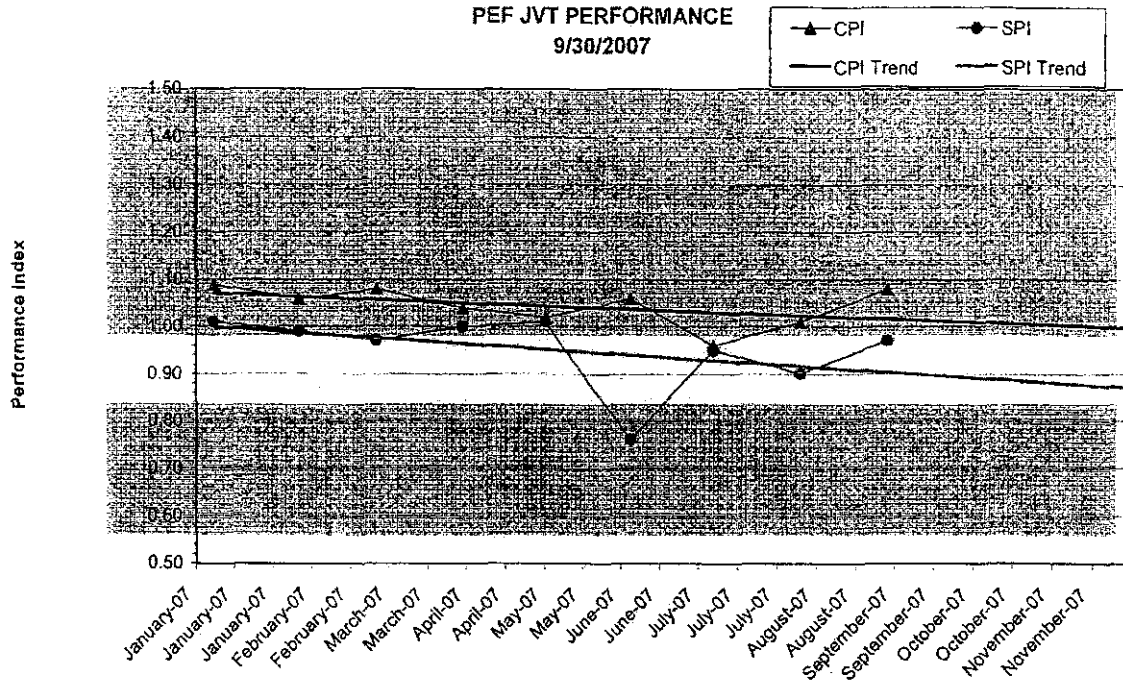


PEC COLA Performance



	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07
▲ CPI	1.00	1.12	1.16	1.10	1.14	1.04	1.10	1.10	1.14	1.14	1.16	1.18	1.16	1.16	1.15	1.12	1.10	1.09	1.10	1.08	1.12			
● SPI	0.86	1.10	1.00	1.00	1.00	0.88	0.88	0.82	0.86	0.81	0.78	0.78	0.72	0.78	0.79	0.80	0.81	0.81	0.85	0.89	0.94			

PEF COLA Performance



	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	
▲ CPI	1.09	1.06	1.08	1.04	1.02	1.06	0.96	1.01	1.08																
● SPI	1.01	0.99	0.97	1.00	1.01	0.76	0.95	0.90	0.97																



**Nuclear Plant Development
& License Renewal**

Performance Report

October 2007

**Progress Energy, Inc.
410 South Wilmington Street
Raleigh, North Carolina 27602**



Submitted by

Supervisor Projects Controls

A handwritten signature in cursive script, appearing to read "Kevin Spivey", positioned above a horizontal line.

Approval

General Manager NPD&LR:

A handwritten signature in cursive script, appearing to read "G. D. Miller", positioned above a horizontal line.

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1. Executive Summary

1.1. Safety

On October 22nd 2007, a Shaw Stone & Webster (SSW) employee was involved in a traffic accident that resulted in a broken leg. The employee was in route to the site on his motorcycle, but had not yet reported to the site. SSW has determined that this was a recordable accident. The investigation is continuing and a final report will be issued to Progress Energy in November.

1.2. Cost

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1.3. Schedule

PEC COLA - The project is 95% complete. Work is proceeding per the PEC End Game Schedule. Page Turn is in progress for the ER, FSAR 2.5, and other FSAR Chapters. The project schedule has been updated to reflect an October 31, 2007 NuStart COLA submittal date. Due to the late completion of the NuStart FSAR sections and the Security Plan, the COLA submittal date from JVT to Progress Energy is now scheduled for December 17, 2007. Submittal to the NRC is scheduled for January 30, 2008.

PEF COLA - The project is 55% complete. Fieldwork delays, completing the vibratory ground motion report, and insufficient progress made on certain FSAR and ER Chapters are the biggest challenges to the schedule. JVT is developing a plan to expedite the schedule to improve the targeted COLA submittal date from 8/22/08 to 7/31/08. A weekly schedule review meeting with JVT is being implemented. The NRC has stated that sufficiency reviews for the Bellefonte COLA will take 60-120 days. The July submittal date is critical with the longer NRC acceptance review schedule. The COLA must be filed with the NRC by 12/31/08 to be eligible for Production Tax Credits.

PEF Price Finalization -- The project is 35% complete. Work is progressing in all four major categories, Building & Yard Areas, Construction, Environmental – Geotechnical, and Project Management. Technical Reports have been issued for review on numerous systems. SSW is developing a plan to expedite completing the geotechnical work activities as early as possible.

PEF Phase 1A Activities – The project is 76% complete. An impact evaluation has been approved to revise the target completion date from 10/25/07 until 12/18/07. SSW has completed a re-baseline of the project. The need for an Impact Evaluation was driven by the need to redirect resources to support price finalization work, which is being executed in parallel with Phase 1A work, and receipt of required documentation from the JVT to complete remaining preliminary engineering packages. Significant progress was made during the reporting period in completion of Progress Energy Owner Acceptance Reviews and receipt of COLA material from the JVT.

PEF Site Certification Application – The project is 10% complete. The documentation work element of the project is slightly behind schedule. Follow up with CH2M project manager is in progress.

1.4. Key Issues

- Site specific ITAAC to address soil remediation will be required by the NRC.
- PEF COLA schedule predicts an August 22nd 2008 submittal date. The July 2008 submittal is challenged based on site geotechnical analysis requirements. JVT is reviewing what actions are required to expedite the schedule to enable COLA submittal by July 31st, 2008. Weekly schedule review meetings are scheduled.
- Complete 30 day due diligence activities associated with Lybass purchase contract.
- LNP pre-construction activities will require permits in advance of the SCA to support the schedule. Infrastructure improvements require detailed engineering designs to be completed. A meeting with the US Army Corps of Engineers in Jacksonville, Florida is scheduled for November 19, 2008 to discuss permits and the schedule required to allow construction of these facilities.
- FPSC Need Determination Petition to be filed in January 2008 requires updated cost. Updated power block costs received in November will be incorporated. Currently working with SSW to incorporate updated site specific cost that have higher risk construction activities prior to the Levy Total Site cost books which will be delivered in February 2008.
- Address comments received from the Florida Department of Community Affairs related to wetlands protection and the Gulf and Barge Canal impacts.
- JVT has developed an action plan to address NRC QA Audit nonconformance conditions. The plan includes a complete review of CH2MHILL field activities for geotechnical investigation at Harris and Levy and correction of deficiencies. The investigation team is composed of QA and geotechnical personnel from Sargent & Lundy and Worley Parsons. In addition, Progress Energy will conduct an audit of these activities to confirm completeness and accuracy. Final team report is scheduled for January 25, 2008 and must be completed prior to final Harris COLA approval.

1.5. Look Ahead

- PES Assessment scheduled for the week of 11/5/07.
- Meeting with US Army Corps of Engineers to discuss permit requirements to support construction of Levy site infrastructure on 11/19/07.

- NRC will start sufficiency review of the R-COLA on 11/19/07. The review will require 60-120 days.
- Senior Management Committee Review of Levy Nuclear Plant and Transmission 11/26/2007.
- AP1000 Standard Plant Cost Book completion scheduled for 11/30/07.
- Closing on Lybass property expected to occur on 12/14/07.
- December 2007 Board of Director's Meeting to request approval of the Need Filing & Joint Ownership percentage ownership.
- Harris COLA submittal targeted for January 30, 2008.

2. Project Performance Data and KPIs

2.1. KPI Summary

Project Cost Current Year		Yellow
Project Cost Total COLA BAP		
Major Milestone Achievement		
PEF COLA SPI -	.83	Yellow
PEF COLA CPI -	1.11	
PEC COLA SPI -	.99	
PEC COLA CPI -	1.14	
Shaw PH 1A SPI -	1.00	
Shaw PH 1A CPI -	1.00	
Shaw Price Final SPI -	.92	Yellow
Shaw Price Final CPI -	1.84	
SCA SPI -	.82	Yellow
SCA CPI -	1.10	

2.2. Cost Performance

REDACTED

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**PAGE 8
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2.3. Contract Status (exceeding

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2.4. Schedule Performance

2.4.1. PEC COLA Development

Overall COLA project is 95% complete. The Schedule Performance Index (SPI) for the project is .99. Work is proceeding per the PEC End Game Schedule. Page Turn is in progress for the ER, FSAR 2.5, and other FSAR Chapters. Electronic linking is in progress for the EP and FSAR Sections 2.1 - 2.4. Due to the late completion of the NuStart FSAR sections and the Security Plan, the COLA submittal date from JVT to Progress Energy is now scheduled for December 17, 2007. The COLA submittal date to the NRC is scheduled for January 30, 2008. The Cost Performance Index (CPI) for the project is 1.14. The project CPI has consistently trended under the approved project baseline budget.

2.4.2. PEF COLA Development

Overall COLA project is 55% complete. The SPI for the project is 0.83. The SPI has been trending behind schedule since June 2007. Fieldwork delays, completing the vibratory ground motion report, and insufficient progress made on certain FSAR and ER Chapters are the biggest contributing factors to the SPI. JVT is implementing a plan to expedite the schedule for all critical tasks. JVT will also implement shorter task durations and schedule logic changes to improve

targeted COLA submittal date from 8/22/08 to 7/31/08. A weekly schedule review meeting with JVT is being implemented. The NRC has stated that sufficiency reviews for the Bellefonte COLA will take 60-120 days. The July submittal date is critical with the longer NRC acceptance review schedule. The CPI for the project is 1.11. The CPI has consistently trended under the approved project baseline budget.

2.4.3. PEF SCA Development

The project is approximately 10% complete. The SPI for the project is .82. The CPI is 1.10. Following up with the PM to determine drivers for the documentation work element that is behind schedule.

2.4.4. PEF SS&W Price Finalization

The project is 35% complete. Work is progressing in all four major categories: Building & Yard Areas, Construction, Environmental – Geotechnical, and Project Management. Technical Reports have been issued for Owner Acceptance review on numerous systems. SSW is developing a plan to expedite completing the geotechnical work activities as early as possible.

2.4.5. PEF SS&W Phase 1A Conceptual Design/Planning

Overall Phase 1A project is 76% complete. The SPI & CPI for the project is 1.00. An impact evaluation was approved to revise the target completion date from 10/25/07 until 12/18/07. SSW has completed a re-baseline of the project. The Impact Evaluation was driven by the need to redirect resources to support price finalization work, which is being executed in parallel with Phase 1A work, and receipt of required documentation from the JVT to complete remaining preliminary engineering packages. Significant progress was made during the reporting period in completion of Progress Energy Owner Acceptance Reviews and receipt of COLA material from the JVT.

2.5. Scope Changes

2.5.1. Business Analysis Package (BAP) Changes

Discussions are ongoing with Capital Planning & Control to convert the LNP project from the Business Analysis Package Process (BAP) to the Integrated Project Plan Process (IPP). The current plan is to complete a 2nd COLA BAP revision to bridge the project for work activities required until Price Finalization and EPC negotiations are completed and an updated total project cost can be incorporated into the IPP.

2.5.2. PEC Scope Changes Authorized

Since approval of JVT WA Amendment #4 in April 2007, NPD has approved 10 Impact Evaluations for a total of **REDACTED** These will be incorporated into the next WA Amendment #5. Updated task descriptions to support Amendment #5 are to be submitted by the JVT in November. Most of the Impact Evaluations approved were required to support conceptual design work for site specific

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systems needed for the COLA and for new scope items required for FSAR 2.5. In 2007, 12 Impact Evaluations have been approved for a total of

REDACTED

2.5.3. PEC Potential and/or Pending Scope Changes

Other potential Progress Energy Carolina scope changes include:

- Support of the NRC QA Audit.
- Wind data analysis & CHI/Q calculations per requirements of Reg. Guide 1.23, Revision 1.
- Determine filter requirements for Raw Water Systems.
- Provide COLA Peer Review Support.
- Complete NuStart document deletion process implementation.
- Support NRC Pre-application ER review.

2.5.4. PEF Authorized Scope Changes

Since approval of JVT WA Amendment # 2 in June 2007, NPD has approved 21 Impact Evaluations for a total of **REDACTED**. These will be incorporated into the next WA Amendment #3. Updated task descriptions to support Amendment 3 are to be submitted by the JVT in October. Most Impact Evaluations were required to support additional field activities required after selecting the site, and also for conceptual design work for site specific systems needed for the COLA. In 2007, 24 Impact Evaluations have been approved or are pending approval for a total of **REDACTED**. The large number of Impact Evaluations and associated cost is due to the Levy Site not being selected at the time the COLA work started.

2.5.5. PEF Potential and/or Pending Scope Changes

Other Progress Energy Florida potential scope changes include:

- Expediting COLA submittal to July 31st, 2008.
- Permitting work to support SSW
- Evaluation of six month Meteorological Data & CHI/Q calculations to resolve EAB distance related risk.
- Independent review of downhole measurements.
- Estimate to complete fieldwork at Levy.
- Soil Resistivity Measurements for Grounding Conceptual Design.
- Develop maximum 100 year wet bulb and dry bulb temperature (100 year return period basis).

2.6. High Risk Issues

The following risk items identified for Management attention for PEC include:

- NRC identified issues with the CH2M Hill field work plan. An independent Assessment Team was formed to evaluate NQA-1 compliance of the field work implementing procedures, field data, and field work plan.
- Expectations for water requirements from the Cape Fear River.

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The following risk items identified for Management attention for PEF include:

- Resolution of the site boundary (EAB) as determined by the initial meteorological data.
- Suitability of the soil/rock substrata for AP1000 structures.
- Evaluation & environmental impacts of the makeup and blowdown options.
- Obtaining US Army Corps of Engineer and Florida state concurrence to review permits required to construct Levy site infrastructure in advance of the SCA is required to support the planned in service date.
- Develop maximum 100 year wet bulb and dry bulb temperature (100 year return period basis).
- JVT schedule performance must be closely monitored and improved. CH2MHILL, in particular, has been unsuccessful in meeting schedules. Critical areas include Geotechnical (FSAR 2.5), Environmental Report, the evaluation of meteorological data and preparation of the Site Certification Application (SCA).

2.7. Organization & Staffing

2.7.1. Permanent Positions

The following authorized positions are vacant/ being recruited in the NPD organization:

- Manager – Nuclear Plant Engineering – vacancy created by promotion of last incumbent, announcement on the position forthcoming.
- Electrical Engineer – vacancy created by resignation, recruiting in progress.
- I&C Engineer – recruiting in progress.
- Sr Engineer – (undesigned discipline), will be posted soon.
- Sr Technical Support Specialist - (undesigned discipline), will be posted soon.

2.7.2. Contract Staff

The following functional areas are covered by contract personnel augmentation:

- Field & Construction Management.
- Emergency Planning.
- COLA Administrative Reviews.
- Environmental permitting & licensing.
- Scheduling (part-time support via NGG Fire Protection contract staff).

2.7.3. License Renewal Staffing Transition

A transition plan has been developed for the conclusion of License Renewal activities for HNP.

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3. Significant Project Decisions

The following significant recently made decisions regarding the Harris and Levy Deployments.

3.1. PEC

- Failure Mode Effects Analysis for the switchyard will be completed per Reg. Guide 1.206 and the NRC Standard Review Plan.
- Technical Support Center will be in the nuclear island as originally designed by Westinghouse.
- Will not excavate the non-active fault that extends to the Unit 2 area prior to COLA submittal.
- To support the ER, will use table top evaluations that show Transmission Right of Way through the county impacted since route is not final.
- Location of the Cape Fear Make-up was finalized.

3.2. PEF

- COLA borings confirming the location & orientation of Units 1&2.
- Conceptual foundation design approach finalized. Compacted fill will be used for the nuclear island, piles will be used for other buildings (i.e.: Turbine, Diesel, and Annex. Buildings).
- Railroad will follow an Eastern route to Dunnellon.
- Transmission line corridors will include three 500kv lines traversing to the South.
- Utilizing a combined Switchyard for both units instead of separate Switchyard.
- The freshwater source for Potable, Demineralized, and Service Water Cooling Tower systems is well water.
- The north bank of the Barge Canal is the tentatively selected option for the Blowdown discharge into the Gulf.
- The Barge Canal is the option selected for the Make-up water intake.

4. Self-Evaluation Results

4.1. Self Assessments and Audits

Upcoming assessments/ audits include:

- Financial charging Practices – 4th Quarter, 2007.
- PES Audit of NPD – November 5th, 2007.

4.2. NPD Corrective Action Program (CAP)

The following NPD NCRs were written during October 2007

- 252694 – Errors discovered in HAR Emergency Plan after page turn.
- 252015 – Improvement opportunities identified in monitoring vendor performance.

- 251309 – NPD Records Management has records that were transmitted which exceeded the 90 day procedure limit.

4.3. NPD Benchmarking

NPD Self Assessment & Benchmark Coordinator has been named and is working with PES to complete Passport set up of 2008 plans. No formal benchmarks were completed during October 2007.

4.4. NPD Quality Assurance Activities

NGGM-PM-0030 formally documents existing business philosophy to use existing NGGC procedures and processes to implement Appendix B for new plant activities.

- The FSAR Section 2.5 was submitted for page turn without all of the attachments. Also figure numbers do not follow instructions per PI-002.
- A Progress Energy audit is planned in December to verify the JVT actions planned to resolve NRC QA deficiencies.

4.4.1. NRC QA Audit

The NRC QA Audit identified a number of nonconforming conditions. A team for an independent assessment of the CH2M Hill Safety Related activities has been constituted for this assessment.

- The detailed independent assessment plan and schedule was discussed with progress Energy on 11/12/07.
- CH2M is proceeding with the disposition of the 8 CARs from the NRC Audit.
- Initial evaluations will be completed by 12/05/07.
- Fieldwork and subcontractor reports will be completed by 12/31/07.
- Final report is schedule for 01/25/07.

The LNP fieldwork plan and implementing procedures are being reviewed by the independent team. The fieldwork plan will be submitted to Progress Energy for acceptance once the fieldwork plan is accepted by the independent team including any required revisions. (11/15/07).

4.4.2. NPD Quality Assurance Plan

Quality Assurance Plan for Nuclear Plant Development and Construction Activities is included in NGG Program Manual and approved by Scotty Hinnant, as Chief Nuclear Officer. NGGM-PM-0030, Quality Assurance Plan for New Nuclear Plant Development and Construction Activities, Revision 0 issued and effective June 25, 2007.

- CNO approval of the QA Program Description that will be submitted with the Harris COLA is required.

4.4.3. Planned COLA Reviews

- Peer reviews of Emergency Plan, Security Plan and Environmental Report COLA. Review includes technical, licensing and administrative review.

- An independent review includes Corporate Reg Affairs, QA and NPD.
- Final review will incorporate any required changes from the NRC sufficiency review of the Reference COLA that have been identified by year end.

5. Engineering Update

5.1. PEF Land Acquisition

NPD closed on the ~3,105 acre Rayonier site on Sept 13th, 2007. Following the land closing, activities continue to secure permission from FL DOT to install a permanent access road to the site that does not cross non-PGN property.

PEF has also signed a "Contract for Sale and Purchase" for an addition ~ 2100 acre parcel south of the Rayonier site. This site is referred to as the "Lybass property". Per the contract, closing for this additional land must take place by Dec 14th, 2007.

NPD is currently having discussions with outside firms to provide a Phase 1 review of this additional Lybass acreage prior to purchase.

5.2. PEF Field Activities

Field activities were completed on the four deep borings at the Levy site. These holes reamed to 6" diameter and grouted with a 3" ID PVC insert.

P-S logging and Acoustic logging was completed in the 4 deep borings in open holes.

GeoVison built and tested a new "dual source" shear wave plank for down-hole measurements. Geomatrix was provided shear wave data from P-S logging. Geomatrix was also provided the preliminary top of rock contours as well as cross-sections of the soil/rock profiles

5.3. PEF Site Engineering

NPD continues to monitor and support SS&W in Phase 1A site specific engineering activities, including the site layout development and conceptual design packages for the facilities at the Levy site. This Phase 1A activity is expect to take longer than originally expected based on the authorization by PGN for SS&W to start price certainty scope in support of the EPC negotiations.

5.4. PEC Field Activities

Currently, there are no field activities in progress at HAR.

5.5. PEC Site Engineering

HAR site engineering efforts at this time only continue to include only those decisions necessary for COL development. SS&W is currently providing a "constructability review" of the certain specific sections of the HAR COLA to ensure there are not statements inconsistent with their plans/capabilities to construct the plant. HAR Phase 1A SS&W conceptual design and planning continues to be estimated to start late 2007 or early 2008.

5.6. AP1000 Design Activities

PGN working through the NuStart Engineering committee continues the review of AP1000 Design Change Packages (DCPs) and design finalization products from WEC. Issues currently under resolution include:

- Use of a cable bridge on the Integrated Head
- Increasing the capacity of new fuel storage racks
- Transformer spacing and order
- Leakage margins (prior to LCOs) on the Main Control Room emergency habitability system
- NRC approval of Xi/Q methodology
- Turbine Building Closed Cooling Water System availability during refueling outages for selected components.

NPD Engineering will continue to work through these issues with WEC.

DCD revision 16 included several important changes needed for the HAR and LNP sites including:

- Resolution of Xi/Q and associated Control Doses
- Inclusion of security feature physical changes
- Changes to ambient temperature limits (wet bulb and dry bulb) for siting in Florida
- Addition of multiple tanks in the radwaste building to increase hold-up capacity for effluent management.
- Reactor Auxiliary Transformer with Fast Bus Transfer

WEC's DCD Revision 16 amendment to the DCD remains under review by the NRC. There is no NRC decision yet on the docketing of the DCD change.

6. Licensing Update

6.1. PEC

Current schedule predicts a COLA submittal date of 1/30/08 – Delay due to late submittal of NuStart sections and to allow incorporation of NRC comments regarding the R-COLA. TVA submitted the R-COLA (Bellefonte) on 10/30/07 as scheduled. NRC sufficiency review is expected to take 60 days.

6.2. PEF

Current schedule predicts a COLA submittal date of 8/22/08. The COLA must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits. JVT is reviewing actions needed to improve submittal date to July 30, 2007 but if that is practical has not been determined.

We expect that LWA will be desired to support soil remediation (backfill) and other construction activities prior to COL. Construction schedule and tasks are being evaluated to determine scope of LWA.

Site Certification Application (SCA) is scheduled for submittal in June 2008. We anticipate that pre-construction work will require permits to be issued in advance of SCA. We anticipate that this will be a significant challenge to the LNP schedule and may be the critical path for the LNP project. Scope and schedule for required permits is being developed and meetings with the state agencies will be setup to review permitting needs.

6.3. Regulatory Update

No update.

7. License Renewal Update

7.1. HNP License Renewal Application Review

NRC Audits have been completed. NRC RAIs are being processed.

7.2. CR3 License Renewal Application Development

IPA calculations are in progress for ECCS, Fire Services & Sampling, Raw Water and Steam systems. Civil AMR for outside areas is approximately 65% complete. Project is on schedule with license submittal January 2009.

8. NuStart Development LLC Update

NuStart officially submitted the Bellefonte AP1000 Reference R-COLA on October 30th, 2007.

9. APOG LLC Update

The APOG LLC (which stands for Advanced Passive 1000 Owners Group) was officially formed in August 2007, with initial members consisting of Progress Energy, SCANA, Duke Energy, and Southern. The first kick-off meeting was held Sept 5th, 2007. No APOG meetings were held during this reporting period.

10. Public and Media Interaction

The NRC completed a pre-application public visit for the Harris COLA in Apex NC on Sept 18th, 2007.

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Progress Energy

**Nuclear Plant Development
& License Renewal**

Performance Report


November 2007

**Progress Energy, Inc.
410 South Wilmington Street
Raleigh, North Carolina 27602**



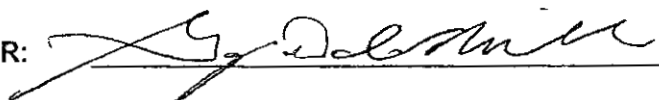
Submitted by

Supervisor Projects Controls



Approval

General Manager NPD&LR:



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1. Executive Summary

1.1. Safety

There were no health and safety issues to report for the month of November.

1.2. Cost

REDACTED

1.3. Schedule

PEC COLA - The project is 97% complete. Work is proceeding per the PEC End Game Schedule. ER page turn comments are being incorporated, Security Plan page turn is complete, and page turn has been completed for all FSAR chapters except for 1 and 13 and Sections 2.0, and 2.5. The project schedule has been updated to reflect an October 31, 2007 NuStart COLA submittal date. Due to the late completion of the NuStart FSAR sections and the Security Plan, the COLA submittal date from JVT to Progress Energy is now scheduled for January 7, 2008. Submittal to the NRC is scheduled for January 30, 2008.

PEF COLA -The project is 59% complete. Fieldwork delays, completing the vibratory ground motion report, and insufficient progress made on certain FSAR and ER Chapters are the biggest challenges to the schedule. JVT and Progress Energy have developed a plan to expedite the schedule to improve the targeted COLA submittal date from 8/22/08 to 7/31/08. A weekly schedule review meeting with JVT is in progress. The NRC has stated that sufficiency reviews for the Bellefonte COLA will take 60-120 days. The July submittal date is critical with the longer NRC acceptance review schedule. The COLA must be filed with the NRC by 12/31/08 to be eligible for Production Tax Credits.

PEF Price Finalization (Shaw) – The project is 43% complete. Work is progressing in all four major categories, Building & Yard Areas, Construction, Environmental – Geotechnical, and Project Management. Technical Reports have been issued for review on numerous systems. SSW is developing a plan to expedite completing the geotechnical work activities as early as possible.

PEF Price Finalization (WEC) – Continued development of the Standard Plant Overnight Cost Book and the Standard Plant Generic 2 unit schedule. The cost book is 85% complete and the schedule is 20% complete. The Standard Plant Cost Book and the Standard Plant Generic Schedule are planned to be submitted on 12/17/07.

PEF Phase 1A Activities – The project is 81% complete. An impact evaluation has been approved to revise the target completion date from 10/25/07 until 12/18/07. SSW has completed a re-baseline of the project. The need for an Impact Evaluation was driven by the need to redirect resources to support price finalization work, which is being executed in parallel with Phase 1A work, and receipt of required documentation from the JVT to complete remaining preliminary engineering packages. Significant progress was made during the reporting period in completion of Progress Energy Owner Acceptance Reviews and receipt of COLA material from the JVT.

PEF Site Certification Application – The project is 10% complete. The appendices and documentation work element of the project is slightly behind schedule. Follow up with CH2M PM.

1.4. Key Issues

- Site specific ITAAC to address soil remediation will be required by the NRC.
- FPSC Need Determination Petition to be filed in January 2008 requires updated cost. Updated power block costs received in November will be incorporated. Currently working with SSW to incorporate updated site specific cost that have higher risk construction activities prior to the Levy Total Site cost books which will be delivered in February 2008.
- Address comments received from the Florida Department of Community Affairs related to wetlands protection and the Gulf and Barge Canal impacts.
- JVT has developed an action plan to address NRC QA Audit nonconformance conditions. The plan includes a complete review of CH2MHILL field activities for geotechnical investigation at Harris and Levy and correction of deficiencies. The investigation team is composed of QA and geotechnical personnel from Sargent & Lundy and Worley Parsons. In addition, Progress Energy will conduct an audit of these activities to confirm completeness and accuracy. Final team report is scheduled for January 25, 2008 and must be completed prior to final Harris COLA approval.

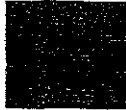
1.5. Look Ahead

- AP1000 Standard Plant Cost Book and standard plant schedule is scheduled for delivery on 12/14/07
- Closing on Lybass property expected to occur on 12/14/07.
- December 2007 Board of Director's Meeting to request approval of the Need Filing & Joint Ownership percentage ownership.
- Harris COLA submittal targeted for January 30, 2008.

2. Project Performance Data and KPIs

2.1. KPI Summary

Project Cost Current Year
Project Cost Total COLA BAP
Major Milestone Achievement



PEF COLA SPI - .91
PEF COLA CPI - 1.09
PEC COLA SPI - 1.00
PEC COLA CPI - 1.13
Shaw PH 1A SPI - 1.00
Shaw PH 1A CPI - 1.38
Shaw Price Final SPI - 1.00
Shaw Price Final CPI - 1.26
SCA SPI - .94
SCA CPI - .98



2.2. Cost Performance

REDACTED

**PAGE 7
REDACTED**

2.3. Contract Status (exceeding \$ 100k)

REDACTED

2.4. Schedule Performance

2.4.1. PEC COLA Development

The project is 97% complete. Work is proceeding per the PEC End Game Schedule. ER page turn comments are being incorporated, Security Plan page turn is complete, and page turn has been completed for all FSAR chapters except for 1 and 13 and Sections 2.0, and 2.5. The project schedule has been updated to reflect an October 31, 2007 NuStart COLA submittal date. Due to the late completion of the NuStart FSAR sections and the Security Plan, the COLA submittal date from JVT to Progress Energy is now scheduled for January 7, 2008. Submittal to the NRC is scheduled for January 30, 2008.

2.4.2. PEF COLA Development

The project is 59% complete. Fieldwork delays, completing the vibratory ground motion report, and insufficient progress made on certain FSAR and ER Chapters are the biggest challenges to the schedule. JVT and Progress Energy have developed a plan to expedite the schedule to improve the targeted COLA submittal date from 8/22/08 to 7/31/08. A weekly schedule review meeting with JVT is in progress. The NRC has stated that sufficiency reviews for the Bellefonte COLA will take 60-120 days. The July submittal date is critical with the longer NRC acceptance review schedule. The COLA must be filed with the NRC by 12/31/08 to be eligible for Production Tax Credits.

2.4.3. PEF SCA Development

The project is approximately 10% complete. The SPI for the project is .94. The CPI is .98. Following up with the PM to determine drivers for Appendices and Documentation work elements that are behind schedule.

2.4.4. PEF SS&W Price Finalization

The project is 43% complete. Work is progressing in all four major categories, Building & Yard Areas, Construction, Environmental – Geotechnical, and Project Management. Technical Reports have been issued for review on numerous systems. SSW is developing a plan to expedite completing the geotechnical work activities as early as possible. WEC continued development of the Standard Plant Overnight Cost Book and the Standard Plant Generic 2 unit schedule. The cost book is 85% complete and the schedule is 20% complete. The Standard Plant Cost Book and the Standard Plant Generic Schedule are planned to be submitted on 12/17/07.

2.4.5. PEF SS&W Phase 1A Conceptual Design/Planning

The SPI is 1.00 & CPI is 1.38 for the project. The project is 81% complete. An impact evaluation has been approved to revise the target completion date from 10/25/07 until 12/18/07. SSW has completed a re-baseline of the project. The need for an Impact Evaluation was driven by the need to redirect resources to support price finalization work, which is being executed in parallel with Phase 1A work, and receipt of required documentation from the JVT to complete remaining preliminary engineering packages. Significant progress was made during the reporting period in completion of Progress Energy Owner Acceptance Reviews and receipt of COLA material from the JVT.

2.5. Scope Changes

2.5.1. Business Analysis Package (BAP) Changes

Discussions are ongoing with Capital Planning & Control to convert the LNP project from the Business Analysis Package Process (BAP) to the Integrated Project Plan Process (IPP). The current plan is to complete a 2nd COLA BAP revision to bridge the project for work activities required until Price Finalization and EPC negotiations are completed and an updated total project cost can be incorporated into the IPP.

2.5.2. PEC Scope Changes Authorized

Since approval of JVT WA Amendment # 4 in April 2007, NPD has approved 14 Impact Evaluations for a total of **REDACTED** these will be incorporated into the next WA Amendment #5. Updated task descriptions to support Amendment #5 are to be submitted by the JVT. Most of the Impact Evaluations approved were required to support conceptual design work for site specific systems needed for the COLA and for new scope items required for FSAR 2.5.

2.5.3. PEC Potential and/or Pending Scope Changes

Other potential Progress Energy Carolina scope changes include:

- Support of the NRC QA Audit.
- Complete NuStart document deletion process implementation.
- Support NRC Pre-application ER review.

2.5.4. PEF Authorized Scope Changes

Since approval of JVT WA Amendment # 2 in June 2007, NPD has approved 25 Impact Evaluations for a total of **REDACTED**. These will be incorporated into the next WA Amendment #3. Updated task descriptions to support Amendment 3 are to be submitted by the JVT. Most Impact Evaluations were required to support additional field activities required after selecting the site, and also for conceptual design work for site specific systems needed for the COLA. The large number of Impact Evaluations and associated cost is due to the Levy Site not being selected at the time the COLA work started.

2.5.5. PEF Potential and/or Pending Scope Changes

Other Progress Energy Florida potential scope changes include:

- Expediting COLA submittal to July 31st, 2008.
- Soil Resistivity Measurements for Grounding Conceptual Design.
- FIRS consistent Time History
- Develop maximum 100 year wet bulb and dry bulb temperature (100 year return period basis)
- Additional Barge Canal Water Quality data
- Preconstruction permit activities (SCA)
- Railroad permitting (SCA)
- Technical items identified by NRC during ER pre-application meeting (SCA)

2.6. High Risk Issues

The following risk items identified for Management attention for PEC include:

- NRC identified issues with the CH2M Hill filed work plan. An independent Assessment Team was formed to evaluate NQA-1 compliance of the field work implementing procedures, field data, and field work plan.
- Expectations for water requirements from the Cape Fear River.

The following risk items identified for Management attention for PEF include:

- Resolution of the site boundary (EAB) as determined by the initial meteorological data.
- Suitability of the soil/rock substrata for AP1000 structures.
- Evaluation & environmental impacts of the makeup and blowdown options.
- Obtaining US Army Corps of Engineer and Florida state concurrence to review permits required to construct Levy site infrastructure in advance of the SCA is required to support the planned in service date.

- Develop maximum 100 year wet bulb and dry bulb temperature (100 year return period basis).
- JVT schedule performance must be closely monitored and improved. CH2MHILL, in particular, has been unsuccessful in meeting schedules. Critical areas include Geotechnical (FSAR 2.5), Environmental Report, evaluation of meteorological data and preparation of the Site Certification Application (SCA).

2.7. Organization & Staffing

2.7.1. Permanent Positions

The following authorized positions are vacant/ being recruited in the NPD organization:

- Manager – Nuclear Plant Engineering – vacancy created by promotion of last incumbent, announcement on the position forthcoming.
- Electrical Engineer – vacancy created by resignation, recruiting in progress.
- I&C Engineer – recruiting in progress.
- Sr Engineer – (undesigned discipline), will be posted soon.
- Sr Technical Support Specialist - (undesigned discipline), will be posted soon.

2.7.2. Contract Staff

The following functional areas are covered by contract personnel augmentation:

- Field & Construction Management.
- Emergency Planning.
- COLA Administrative Reviews.
- Environmental permitting & licensing.
- Scheduling (part-time support via NGG Fire Protection contract staff).

2.7.3. License Renewal Staffing Transition

A transition plan has been developed for the conclusion of License Renewal activities for HNP.

3. Significant Project Decisions

The following significant recently made decisions regarding the Harris and Levy Deployments.

3.1. PEC

- Failure Mode Effects Analysis for the switchyard will be completed per Reg. Guide 1.206 and the NRC Standard Review Plan.
- Technical Support Center will be in the nuclear island as originally designed by Westinghouse.
- Will not excavate the non-active fault that extends to the Unit 2 area prior to COLA submittal.

- To support the ER, will use table top evaluations that show Transmission Right of Way through the county impacted since route is not final.
- Location of the Cape Fear Make-up was finalized.

3.2. PEF

- COLA borings confirming the location & orientation of Units 1&2.
- Conceptual foundation design approach finalized. Compacted fill will be used for the nuclear island, piles will be used for other buildings (i.e.: Turbine, Diesel, and Annex. Buildings).
- Railroad will follow an Eastern route to Dunnellon.
- Transmission line corridors will include three 500kv lines traversing to the South.
- Utilizing a combined Switchyard for both units instead of separate Switchyard.
- The freshwater source for Potable, Demineralized, and Service Water Cooling Tower systems is well water.
- The north bank of the Barge Canal is the tentatively selected option for the Blowdown discharge into the Gulf.
- The Barge Canal is the option selected for the Make-up water intake.

4. Self-Evaluation Results

4.1. Self Assessments and Audits

Upcoming assessments/ audits include:

- Financial charging Practices – 4th Quarter, 2007.
- PES Audit of NPD – November 5th, 2007.

4.2. NPD Corrective Action Program (CAP)

The following NPD NCRs were written during November 2007

- 253940 – Training & Qualification Record problems
- 253941 – Document not in QA Records
- 253943 – NRC pre-COLA QA Audit potential audit response request
- 253945 – Non-Qualified individual signed for Qualified individual

4.3. NPD Benchmarking

NPD Self Assessment & Benchmark Coordinator has been named and is working with PES to complete Passport set up of 2008 plans. No formal benchmarks were completed during November 2007.

4.4. NPD Quality Assurance Activities

NGGM-PM-0030 formally documents existing business philosophy to use existing NGGC procedures and processes to implement Appendix B for new plant activities.

- The FSAR Section 2.5 was submitted for page turn without all of the attachments. Also figure numbers do not follow instructions per PI-002.

- A Progress Energy audit is planned in December to verify the JVT actions planned to resolve NRC QA deficiencies.

4.4.1. NRC QA Audit

The NRC QA Audit identified a number of nonconforming conditions. A team for an independent assessment of the CH2M Hill Safety Related activities has been constituted for this assessment.

- The detailed independent assessment plan and schedule was discussed with progress Energy on 11/12/07.
- CH2M is proceeding with the disposition of the 8 CARs from the NRC Audit.
- Initial evaluations will be completed by 12/05/07.
- Fieldwork and subcontractor reports will be completed by 12/31/07.
- Final report is schedule for 01/25/07.

The LNP fieldwork plan and implementing procedures are being reviewed by the Independent team. The fieldwork plan will be submitted to Progress Energy for acceptance once the fieldwork plan is accepted by the independent team including any required revisions. (11/15/07).

4.4.2. NPD Quality Assurance Plan

Quality Assurance Plan for Nuclear Plant Development and Construction Activities is included in NGG Program Manual and approved by Scotty Hinnant, as Chief Nuclear Officer. NGGM-PM-0030, Quality Assurance Plan for New Nuclear Plant Development and Construction Activities, Revision 0 issued and effective June 25, 2007.

- CNO approval of the QA Program Description that will be submitted with the Harris COLA is required.

4.4.3. Planned COLA Reviews

- Peer reviews of Emergency Plan, Security Plan and Environmental Report COLA. Review includes technical, licensing and administrative review.
- An independent review includes Corporate Reg Affairs, QA and NPD.
- Final review will incorporate any required changes from the NRC sufficiency review of the Reference COLA that have been identified by year end.

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5. Engineering Update

5.1. PEF Land Acquisition

PGN awarded a contract to Nordase & Associates for the completion of a Phase 1 review of the Lybass property to be completed by the end-of-November 2007.

The review was completed and no issues were identified by Nordase that would prevent closing on the Lybass property on or before Dec 14th, 2007.

5.2. PEF Field Activities

Field activities continue at the Levy site. GeoVision and Technos were re-mobilized following the availability of the four deep holes on the Levy site. The remaining field geophysical measurements by Technos have been completed. GeoVision scope is scheduled for completion on Dec 8th, 2007.

5.3. PEF Site Engineering

NPD continues the oversight and review of products produced by SS&W on the Phase 1A site specific Work Authorization. Detailed site layout design activities continue, and are coupled with the JVT COLA preparer to translate the proposed layout into a grading plan. The grading plan further relates to the site flooding analysis.

Conceptual design packages (CDPs) continue to be developed by SS&W and are on-going review by NPD engineers.

5.4. PEC Field Activities

Currently, there are no field activities in progress at HAR.

5.5. PEC Site Engineering

HAR Phase 1A SS&W conceptual design and planning continues to be estimated to start in late 2007 or early 2008.

5.6. AP1000 Design Activities

The NRC has yet to docket the DCD revision 16 submittal by WEC. Ongoing discussions continue between WEC and the NRC on this DCD amendment request, with WEC submitting additional TRs. In November, the NRC notified WEC that the amendment was now ready for a sufficiency review.

NPD continues active involvement in the NuStart Engineering Committee with the following active issues under resolution:

- Use of a cable bridge on the Integrated Head
- Transformer spacing and order

- Leakage margins (prior to LCOs) on the Main Control Room emergency habitability system
- NRC approval of Xi/Q methodology
- Turbine Building Closed Cooling Water System availability during refueling outages for selected components.

6. Licensing Update

6.1. PEC

Current schedule predicts a COLA submittal date of 1/30/08. End-game schedule has been developed to detail activities required to complete final review of COLA and electronic packaging for submittal to NRC.

NRC QA Audit of Harris COLA identified deficiencies with CH2MHILL QA controls. We expect an Audit Response Requests (ARR) related to the Harris geotechnical field work in the following areas:

- Training & Qualifications
- Procedure Control (QA Review and Revision Control)
- Design Control (interchange of information)

We are working with JVT to develop action plan for resolution.

6.2. PEF

Current schedule predicts a COLA submittal date of 8/22/08. The COLA must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits. JVT is reviewing actions needed to improve submittal date to July 30, 2007 but if that is practical has not been determined. A meeting is planned with JVT members to review actions needed to improve schedule. This may involve reassignment of responsibility for some activities.

We expect that LWA will be desired to support soil remediation (backfill) and other construction activities prior to COL. Construction schedule and tasks are being evaluated to determine scope of LWA.

Site Certification Application (SCA) is scheduled for submittal in June 2008. We anticipate that pre-construction work will require permits to be issued in advance of SCA. We anticipate that this will be a significant challenge to the LNP schedule and may be the critical path for the LNP project. Scope and schedule for required permits is being developed and meetings with the state agencies will be setup to review permitting needs.

6.3. Regulatory Update

No update.

7. License Renewal Update

7.1. HNP License Renewal Application Review

NRC Audits have been completed. NRC RAIs are being processed.

7.2. CR3 License Renewal Application Development

IPA calculations are in progress for ECCS, Fire Services & Sampling, Raw Water and Steam systems. Civil AMR for outside areas is approximately 65% complete. Project is on schedule with license submittal January 2009.

8. NuStart Development LLC Update

NuStart submitted the Bellefonte AP1000 Reference COLA (R-COLA) on October 30th, 2007. The NRC advised NuStart that the sufficiency review for this COLA officially started on November 19th, 2007 and was expected to take ~ 60 to 120 days.

The process for controlling RAIs on the reference COLA continues to be developed.

9. APOG LLC Update

No APOG meetings occurred during November 2007.

10. Public and Media Interaction

No significant public and/or media interaction occurred in November 2007 related to new nuclear plant development.



Progress Energy

**Nuclear Plant Development
& License Renewal**

Performance Report

December 2007

**Progress Energy, Inc.
410 South Wilmington Street
Raleigh, North Carolina 27602**



Submitted by

Supervisor Projects Controls

Levin Spjorn

Approval

General Manager NPD&LR:

Ly D. Smith

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1. Executive Summary

1.1. Safety

There are no health and safety issues to report for the month of December 2007.

1.2. Cost

REDACTED

1.3. Schedule

PEC COLA - The project is 99% complete. Work is proceeding on schedule per the PEC End Game Schedule. With the later than planned completion of the NuStart FSAR sections and the Security Plan, the integrated COLA submittal date from JVT to Progress Energy is now scheduled for January 4, 2008. Submittal to the NRC is scheduled for January 30, 2008.

PEF COLA -The project is 63% complete. Impact Evaluation # 109 has been submitted and upon approval sets the baseline that supports a July 31, 2008 COLA submittal to the NRC. The improvement in COLA schedule is the result of significant planning and implementation of an alternate approach to complete FSAR 2.5. Critical work activities include complete and issue FASR 2.4, FSAR 2.5, and ER Chapter 7.

PEF Price Finalization (Shaw) – The project is 66% complete. Final reviews of cost book write-ups and estimates are being completed in all four major categories, Building & Yard Areas, Construction, Environmental – Geotechnical, and Project Management. Updates are continuing to be provided to Westinghouse to support delivery of the Levy schedule on January 31, 2008. Critical work activity continues to be on completing the proposed plan for the BOP Geological Site Investigation. Due date is 1/15/08.

PEF Phase 1A Activities – The project is 100% complete for all original tasks (1-10). Progress is requesting formal documentation from Shaw of task completion and acceptance and that no additional charges are expected. Remaining items for the work authorization is for Task 11, Levy COLA constructability reviews and Task 13, Early Permitting Support.

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SECURITY INFORMATION

PEF Price Finalization (Westinghouse) – Remaining project milestones are on schedule. The November 29th milestone for delivery of the standard plant cost book was delayed and issued on December 17th. December activities focused on completing the standard plant generic two unit schedule and the standard plant cost book. On schedule to deliver integrated price book on February 14th.

PEF Site Certification Application – The project is 15% complete. Current schedule indicates all activities are currently on schedule to support June 2008 SCA submittal. Current critical activities are developing Appendices for state and federal permits, the land use plan, and zoning. Requesting additional details is included in future JVT Status Reports.

1.4. Key Issues

- Site specific ITAAC to address soil remediation will be required by the NRC.
- FPSC Need Determination Petition to be filed in January 2008 requires updated cost. Updated power block costs received in December have been incorporated. Costs provided by Westinghouse have increased significantly. It is anticipated that site specific costs will also rise. Meetings schedule with Westinghouse to address this issue.
- CH2M must close all corrective actions related to the Harris COLA before January 25th, 2008. The final Independent assessment Team report is scheduled for January 28, 2008 and must be completed prior to final Harris COLA approval.
- Establish DOR and determine the impact of the requirement by the Army Corp. of Engineers to not accept segmented approach to early permitting.

1.5. Look Ahead

- Submit updated total project cost estimate to System Planning to support Need Filing by January 4th, 2008.
- NRC Pre-application inspection of Levy site selection process – Jan 7th,
- Technical meeting with NRC staff to discuss geotechnical topics associated with the Levy County site - Jan 10th
- Electronically linked integrated COLA to be submitted to Progress Energy on January 11th, 2008.
- Sr. Management meeting between Progress Energy and Westinghouse Shaw Stone & Webster to be held January 19th.
- Harris COLA submittal to NRC targeted for January 30, 2008.
- Delivery of Levy project schedule from Westinghouse January 31, 2008.
- Independent assessment team final report scheduled for January 30th, 2008.
- Need filing submittal targeted for January 31, 2008.

2. Project Performance Data and KPIs

2.1. KPI Summary

Project Cost Current Year		Yellow
Project Cost Total COLA BAP		
Major Milestone Achievement		
PEF COLA SPI -	0.97	
PEF COLA CPI -	1.04	
PEC COLA SPI -	1.00	
PEC COLA CPI -	1.10	
Shaw PH 1A SPI -	1.00	
Shaw PH 1A CPI -	1.35	
Shaw Price Final SPI -	1.00	
Shaw Price Final CPI -	1.15	
SCA SPI -	0.97	
SCA CPI -	0.99	

2.2. Cost Performance

REDACTED

**PAGES 7 - 8
REDACTED**

2.4. Schedule Performance

2.4.1. PEC COLA Development

Overall COLA project is 99% complete. The Schedule Performance Index (SPI) for the project is 1.00. Work is proceeding on schedule per the PEC End Game Schedule. With the later than planned completion of the NuStart FSAR sections and the Security Plan, the integrated COLA submittal date from JVT to Progress Energy is now scheduled for January 4, 2008. Submittal to the NRC is scheduled for January 30, 2008. The Cost Performance Index (CPI) for the project is 1.10. The project CPI has consistently trended under the approved project baseline budget.

2.4.2. PEF COLA Development

Overall COLA project is 63% complete. The SPI for the project is 0.97. The SPI has been trending behind schedule since June 2007. Impact Evaluation # 109 has been submitted and upon approval sets the baseline that supports a July 31, 2008 COLA submittal to the NRC. The improvement in COLA schedule is the result of significant planning and implementation of an alternate approach to complete FSAR 2.5. Critical work activities include complete and issue FASR 2.4, FSAR 2.5, and ER Chapter 7. Weekly schedule review meetings to review critical items, action items, and upcoming activities with the JVT continue. The NRC has stated that sufficiency reviews for the Bellefonte COLA will take 60-120 days. The July submittal date is critical with the longer NRC acceptance review schedule. The CPI for the project is 1.04. The CPI has consistently trended under the approved project baseline budget.

2.4.3. PEF SCA Development

The project is approximately 15% complete. The SPI for the project is .97. The CPI is .99. Current schedule indicates all activities are currently on schedule to support June 2008 SCA submittal. Current critical activities are developing Appendices for state and federal permits, the land use plan, and zoning. Requesting additional details is included in future JVT Status Reports.

2.4.4. PEF SS&W Price Finalization

The project is 66% complete. The SPI is 1.0. Final reviews of cost book write-ups and estimates are being completed in all four major categories, Building & Yard Areas, Construction, Environmental – Geotechnical, and Project Management. Updates are continuing to be provided to Westinghouse to support delivery of the Levy schedule on January 31, 2008. Critical work activity continues to be on completing the proposed plan for the BOP Geological Site Investigation. Due date is 1/15/08. The CPI is 1.15 with current forecasted cost expected to be approximately under the funds authorized.

REDACTED

2.4.5. PEF Westinghouse Price Finalization

Remaining project milestones are on schedule. The November 29th milestone for delivery of the standard plant cost book was delayed and issued on December 17th. December activities focused on completing the standard plant generic two unit schedule and the standard plant cost book. On schedule to deliver integrated price book on February 14th.

2.4.6. PEF SS&W Phase 1A Conceptual Design/Planning

REDACTED

Overall Phase 1A project is 100% complete for the original tasks. The SPI for the project is 1.00 (approved impact evaluation established a re-baseline for project). Progress Energy review of CDP's completed. Remaining open items are to complete comment resolution on 5 packages and complete review of the interface report for site security. The CPI is 1.35 with current forecasted cost to be under the \$1 funds authorized. This underun will be utilized to fund the majority of the cost for additional impact evaluations submitted for COLA Constructability Reviews (Task 11) and Early Permitting Support (Task 12).

2.5. Scope Changes

2.5.1. Business Analysis Package (BAP) Changes

Discussions are ongoing with Capital Planning & Control to convert the LNP project from the Business Analysis Package Process (BAP) to the Integrated Project Plan Process (IPP). The current plan is to complete a 2nd COLA BAP revision to bridge the project for work activities required until Price Finalization and EPC negotiations are completed and an updated total project cost can be incorporated into the IPP.

REDACTED

2.5.2. PEC Scope Changes Authorized

Since approval of JVT WA Amendment # 4 in April 2007, NPD has approved 22 Impact Evaluations for a total of . These will be incorporated into the next WA Amendment #5. Updated task descriptions to support Amendment #5 have been submitted by the JVT and work on the WA amendment is proceeding. Most of the Impact Evaluations approved were required to support conceptual design work for site specific systems needed for the COLA and for new scope items required for FSAR 2.5. Also, 3 Impact Evaluations were reviewed and rejected for a total of

REDACTED

2.5.3. PEC Potential and/or Pending Scope Changes

Other potential Progress Energy Carolina scope changes include:

- All identified items were resolved. No items currently identified.

REDACTED

2.5.4. PEF Authorized Scope Changes

- Since approval of JVT WA Amendment # 2 in June 2007. NPD has approved 33 Impact Evaluations for a total of REDACTED. These will be incorporated into the next WA Amendment #3. Updated task descriptions to support Amendment 3 have been submitted by the JVT and work on the WA amendment is proceeding. Most Impact Evaluations were required to support additional field activities required after selecting the site, and also for conceptual design work for site specific systems needed for the COLA. It should be noted that the large number of Impact Evaluations and associated cost is due to the Levy Site not being selected at the time the COLA work started. Also, 2 Impact Evaluations were reviewed and rejected for a total of REDACTED.
- Since approval of JVT WA # 3 for the Site Certification Application in July 2007, 2 Impact Evaluations were approved for a total of REDACTED. The Impact Evaluations incorporated new scope related to Federal Permitting and Baseline Ecological Survey.
- Since approval of SSW WA#2 for Phase 1A support, one impact evaluation was approved for REDACTED to complete COLA constructability reviews. Impact Evaluation pending for Early Permitting Support. REDACTED

2.5.5. PEF Potential and/or Pending Scope Changes

Other Progress Energy Florida potential scope changes include:

- Soil Resistivity Measurements for Grounding Conceptual Design.
- NRC ER comment resolution & documentation.
- SCA- pre-construction permitting activities.
- SCA- railroad permitting.
- SCA- additional meetings for agency coordination and project management.

2.6. High Risk Issues

The following risk items identified for Management attention for PEC include:

- NRC identified issues with the CH2M Hill field work plan. An independent Assessment Team was formed to evaluate NQA-1 compliance of the field work implementing procedures, field data, and field work plan.
- Expectations for water requirements from the Cape Fear River.

The following risk items identified for Management attention for PEF include:

- Resolution of the site boundary (EAB) as determined by the initial meteorological data.
- Suitability of the soil/rock substrata for AP1000 structures.
- Evaluation & environmental impacts of the makeup and blowdown options.

- Obtaining US Army Corps of Engineer and Florida state concurrence to review permits required to construct Levy site infrastructure in advance of the SCA is required to support the planned in service date.
- Develop maximum 100 year wet bulb and dry bulb temperature (100 year return period basis).
- JVT schedule performance must be closely monitored and improved. CH2MHILL, in particular, has been unsuccessful in meeting schedules. Critical areas include Geotechnical (FSAR 2.5), Environmental Report, and evaluation of meteorological data and preparation of the Site Certification Application (SCA).

2.7. Organization & Staffing

2.7.1. Permanent Positions

The following authorized positions are vacant/ being recruited in the NPD organization:

- Manager – Nuclear Plant Engineering – vacancy filled.
- Electrical Engineer – vacancy created by resignation, recruiting in progress.
- I&C Engineer – recruiting in progress.
- Sr Engineer – (undesignated discipline), will be posted soon.
- Sr Technical Support Specialist - (undesignated discipline), will be posted soon.

2.7.2. Contract Staff

The following functional areas are covered by contract personnel augmentation:

- Field & Construction Management.
- Emergency Planning.
- COLA Administrative Reviews.
- Environmental permitting & licensing.
- Scheduling (part-time support via NGG Fire Protection contract staff).

2.7.3. License Renewal Staffing Transition

A transition plan has been developed for the conclusion of License Renewal activities for HNP.

3. Significant Project Decisions

The following significant recently made decisions regarding the Harris and Levy Deployments.

3.1. PEC

- Failure Mode Effects Analysis for the switchyard will be completed per Reg. Guide 1.206 and the NRC Standard Review Plan.
- Technical Support Center will be in the nuclear island as originally designed by Westinghouse.

- Will not excavate the non-active fault that extends to the Unit 2 area prior to COLA submittal.
- To support the ER, will use table top evaluations that show Transmission Right of Way through the county impacted since route is not final.
- Location of the Cape Fear Make-up was finalized.

3.2. PEF

- COLA borings confirming the location & orientation of Units 1&2.
- Conceptual foundation design approach finalized. Compacted fill will be used for the nuclear island, piles will be used for other buildings (i.e.: Turbine, Diesel, and Annex. Buildings).
- Railroad will follow an Eastern route to Dunnellon.
- Transmission line corridors will include three 500kv lines traversing to the South.
- Utilizing a combined Switchyard for both units instead of separate Switchyard.
- The freshwater source for Potable, Demineralized, and Service Water Cooling Tower systems is well water.
- The north bank of the Barge Canal is the tentatively selected option for the Blowdown discharge into the Gulf.
- The Barge Canal is the option selected for the Make-up water intake.

4. Self-Evaluation Results

4.1. Self Assessments and Audits

Upcoming assessments/ audits include:

- Financial charging Practices – 4th Quarter, 2007 (report complete, debrief remains).
- PES Audit of NPD – November 5th, 2007. (Complete, implementing recommendations and corrective actions).

4.2. NPD Corrective Action Program (CAP)

The following NPD NCRs were written during December 2007

- 258091 – Creation & completion of formal benchmark (LR).

4.3. NPD Benchmarking

NPD Self Assessment & Benchmark Coordinator has completed set up of 2008 plans. No benchmarks were completed during December 2007.

4.4. NPD Quality Assurance Activities

NGGM-PM-0030 formally documents existing business philosophy to use existing NGGC procedures and processes to implement Appendix B for new plant activities.

- The FSAR Section 2.5 was submitted for page turn without all of the attachments. Also figure numbers do not follow instructions per PI-002.
- A Progress Energy audit is planned in December to verify the JVT actions planned to resolve NRC QA deficiencies.

4.4.1. NRC QA Audit

The NRC QA Audit identified a number of nonconforming conditions. A team for an independent assessment of the CH2M Hill Safety Related activities has been constituted for this assessment.

- The detailed independent assessment plan and schedule was discussed with progress Energy on 11/12/07.
- CH2M is proceeding with the disposition of the 8 CARs from the NRC Audit.
- Initial evaluations will be completed by 12/05/07.
- Fieldwork and subcontractor reports will be completed by 12/31/07.
- Final report is schedule for 01/25/07.

The LNP fieldwork plan and implementing procedures are being reviewed by the independent team. The fieldwork plan will be submitted to Progress Energy for acceptance once the fieldwork plan is accepted by the independent team including any required revisions. (11/15/07).

4.4.2. NPD Quality Assurance Plan

Quality Assurance Plan for Nuclear Plant Development and Construction Activities is included in NGG Program Manual and approved by Scotty Hinnant, as Chief Nuclear Officer. NGGM-PM-0030, Quality Assurance Plan for New Nuclear Plant Development and Construction Activities, Revision 0 issued and effective June 25, 2007.

- CNO approval of the QA Program Description that will be submitted with the Harris COLA is required.

4.4.3. Planned COLA Reviews

- Peer reviews of Emergency Plan, Security Plan and Environmental Report COLA. Review includes technical, licensing and administrative review.
- An independent review includes Corporate Reg Affairs, QA and NPD.
- Final review will incorporate any required changes from the NRC sufficiency review of the Reference COLA that have been identified by year end.

5. Engineering Update

5.1. PEF Land Acquisition

PEF officially closed on the ~ 2,159 acre Lybass parcels on Dec 14th, 2008. This acquisition includes a small ~ 50 acre parcel at the northwest corner of the Rayonier site and a large ~ 2000 acre parcel immediately south of the Rayonier site. Both will be used for access and/or conveyance routes.

A portion of this acquisition will be assigned to the Levy project for the piping and heavy haul road conveyance. A second portion of the parcel will be assigned to the Levy transmission project for the 500 kV lines leaving the Levy site. The remaining acreage will be held by PEF for future use.

5.2. PEF Field Activities

Remaining field geophysical measurements were completed by Technos and GeoVision during December 2007.

5.3. PEF Site Engineering

Phase 1A work continued in December 2007, along with price certainty work scope by SS&W. NPD continues oversight of these projects and deliverables. WEC/SSW provided and indicative price of the two unit Ap1000 power block in the December 17th, 2007 "Price Book". The Levy site specific facilities beyond the power blocks will be in a revised price book expected in February 2008, and are dependent on the ongoing Phase 1A and price certainty work activities by SS&W.

5.4. PEC Field Activities

Currently, there are no field activities in progress at HAR.

5.5. PEC Site Engineering

HAR Phase 1A SS&W conceptual design and planning is now estimated to start late in early 2008, and is contingent upon ongoing discussions with WEC and SSW.

5.6. AP1000 Design Activities

The NRC continues the sufficiency review on the AP100 DCD Revision 16 amendment submitted by WEC, with an expectation that it will complete ~ January 18th, 2008.

PGN continues review of AP1000 DCPs and design finalization products produced by WEC. New AP1000 technical issues currently being resolved, via the NuStart Engineering committee which PGN participates on, include:

- Increasing main steam line diameter
- MSR reheat tube bundle design
- Required increase in the reactor coolant PORV size (6" to 12")

- Availability of spare digital cables through a dedicated containment penetration
- Grey rod maneuvering limitations and effect on fuel performance
- Addition of a Integrated head package cable bridge

6. Licensing Update

6.1. PEC

Current schedule predicts a COLA submittal date of 1/30/08.

NRC QA Audit of Harris COLA conducted in October identified deficiencies with CH2MHILL QA controls. We expect an Audit Response Request (ARR) related to the Harris geotechnical field work in the following areas:

- ▶ Training & Qualifications
- ▶ Procedure Control (QA Review and Revision Control)
- ▶ Design Control (interchange of information)

Our action plan involves the following activities being conducted by CH2MHILL

- ▶ Confirmation of safety-related bore hole data
- ▶ Initiation and resolution of deficiencies identified by CH2 and JVT

A JVT independent assessment team has been formed to perform the following and report results:

- ▶ Technical and Quality review of geotechnical work conducted by CH2MHILL at the Harris site
- ▶ Review of CH2 design control

6.2. PEF

Detailed schedule review has achieved a revised schedule that supports a COLA submittal by 7/30/08. The COLA must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits. We expect that LWA will be desired to support soil remediation (backfill) and other construction activities prior to COL. Construction schedule and tasks are being evaluated to determine scope of LWA.

Site Certification Application (SCA) is scheduled for submittal in June 2008. We anticipate that pre-construction work will require permits to be issued in advance of SCA. We anticipate that this will be a significant challenge to the LNP schedule and may be the critical path for the LNP project. Scope and schedule for required permits is being developed and meetings with the state agencies will be setup to review permitting needs.

6.3. Regulatory Update

No update.

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7. License Renewal Update

7.1. HNP License Renewal Application Review

NRC Audits have been completed. NRC RAls are being processed.

7.2. CR3 License Renewal Application Development

IPA calculations are in progress for ECCS, Fire Services & Sampling, Raw Water and Steam systems. Civil AMR for outside areas is approximately 65% complete. Project is on schedule with license submittal January 2009.

8. NuStart Development LLC Update

The NuStart reference AP1000 COLA for Bellefonte continues to undergo a sufficiency review by the NRC. Two technical issues have emerged that Bellefonte is having discussions with the NRC on:

- o Seismic methodology & schedule
 - Dames & Moore
 - East Tennessee seismic zone
- o Hydrology model pedigree

Both issues are site-specific to Bellefonte and are likely to be resolved via the RAI process following docketing.

9. APOG LLC Update

No APOG activity occurred during December 2007.

10. Public and Media Interaction

No significant public and/or media interaction occurred in December 2007.



**Nuclear Plant Development
& License Renewal**

Performance Report

January 2008

**Progress Energy, Inc.
410 South Wilmington Street
Raleigh, North Carolina 27602**



Submitted by

Supervisor Projects Controls

A handwritten signature in cursive script, appearing to read "Luis Aguiar", written over a horizontal line.

Approval

General Manager NPD&LR:

A handwritten signature in cursive script, appearing to read "Rob Mill", written over a horizontal line.

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1. Executive Summary

1.1. Safety

There are no health and safety issues to report for the month of January 2008.

1.2. Cost

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1.3. Schedule

PEC COLA - The project is 99% complete. Progress Energy has revised the schedule NRC submittal date from January 31, 2008 to February 19, 2008.

PEF COLA -The project is 70% complete. Impact Evaluation # 109 has been submitted and upon approval sets the baseline that supports a July 31, 2008 COLA submittal to the NRC. The project is on schedule and all deliverables scheduled for January 2008 were completed on time. Critical work activities include complete and issue FSAR 2.4, FSAR 2.5, and ER Chapter 7.

PEF Price Finalization (Shaw) – The project is 79% complete. Final management review of cost book write-ups and estimates are being completed in all major categories which include Building & Yard Areas, Construction, and Environmental – Geotechnical. Work will be completed on schedule to support delivery of Levy Price Books to Progress Energy on February 14th.

PEF Phase 1A Activities – The project is 100% complete for all original tasks (1-10). All activities and deliverables were completed per baseline schedule. Task 12, travel expenses, will remain open until all outstanding expenses are submitted and to resolve open issues with expense accounts. Tasks 11 & 13 will remain open to support COLA constructability reviews and owner technical reviews and early permitting support.

PEF Price Finalization (Westinghouse) – The January 31st project milestone to deliver the Levy pre-construction schedule was not met. A PDF version of an interim schedule was delivered on February 4th, with the Levy integrated schedule now targeted for a March 14th delivery. Progress Energy is contacting Westinghouse to address the

overall quality of this deliverable and determine if is acceptable per terms of the contract. Currently on schedule to deliver integrated price book on February 14th.

PEF Site Certification Application – The project is 34% complete. Current schedule indicates all activities are currently on target to support June 2008 SCA submittal. Current critical activities are developing Appendices for state and federal permits, the land use plan, and zoning.

1.4. Key Issues



- FPSC Need Determination Petition to be filed in March 2008 requires updated cost. Updated power block costs received in December have been incorporated. Costs provided by Westinghouse have increased significantly. These increases are mainly driven by an increase in commodity cost for concrete, steel & metals, an increase in equipment cost required for building major plant forgings, and the global demand for nuclear power plants. Meetings held with Westinghouse to address the issue.
- CH2M should address and close all corrective actions related to the Harris COLA prior to COLA submittal date. The final Independent assessment Team report is scheduled to be issued February 12, 2008.
- Develop permitting strategy to address impact of the requirement by the Army Corp. of Engineers prior to issuance of the COLA. Shaw submitting a revised proposal in February for their portion of the work scope.

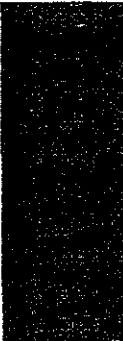
1.5. Look Ahead

- COLA Rev. 0 schedule for submittal to Progress Energy on February 8th.
- Sargent & Lundy QA Audit of Paul Rizzo February 12th- 14th.
- Delivery of Levy price book from Westinghouse February 14, 2008.
- Submit updated total project cost estimate to System Planning to meet current Need Filing schedule by February 18, 2008.
- Harris COLA submittal date to NRC has been revised to February 19, 2008.
- Need filing submittal targeted for March 4, 2008.

2. Project Performance Data and KPIs

2.1. KPI Summary

Project Cost Current Year	
Project Cost Total COLA BAP	Yellow
Major Milestone Achievement	

PEF COLA SPI -	0.98	
PEF COLA CPI -	1.01	
PEC COLA SPI -	1.00	
PEC COLA CPI -	1.10	
Shaw PH 1A SPI -	1.00	
Shaw PH 1A CPI -	1.00	
Shaw Price Final SPI -	1.00	
Shaw Price Final CPI -	1.00	
SCA SPI -	1.01	
SCA CPI -	1.06	

2.2. Cost Performance

REDACTED

**PAGES 7 - 8
REDACTED**

2.4. Schedule Performance

2.4.1. PEC COLA Development

Overall COLA project is 99% complete. The Schedule Performance Index (SPI) for the project is 1.00. Work is proceeding on schedule per the PEC End Game Schedule. With the later than planned completion of the NuStart FSAR sections and the Security Plan, the integrated COLA Rev. 0 submittal date from JVT to Progress Energy is now scheduled for February 8, 2008. Progress Energy has revised the NRC submittal date from January 31, 2008 to February 19, 2008. The Cost Performance Index (CPI) for the project is 1.10. The project CPI has consistently trended under the approved project baseline budget.

2.4.2. PEF COLA Development

Overall COLA project is 70% complete. The SPI for the project is 0.98. The SPI had been trending behind schedule since June 2007. Impact Evaluation # 109 has been submitted and upon approval sets the new baseline that supports a July 31, 2008 COLA submittal to the NRC. The project is on schedule with all January deliverables completed on time. The improvement in COLA schedule is the result of significant planning and implementation of an alternate approach to complete FSAR 2.5. Critical work activities include complete and issue FASR 2.4, FSAR 2.5, and ER Chapter 7. Weekly schedule review meetings to review critical items, action items, and upcoming activities with the JVT continue. The NRC has stated that sufficiency reviews for the Bellefonte COLA will take 60-120 days. The July submittal date is critical with the longer NRC acceptance review schedule. The CPI for the project is 1.01. The CPI has consistently trended under the approved project baseline budget.

2.4.3. PEF SCA Development

The project is approximately 34% complete. The SPI for the project is 1.01 and the CPI is 1.06. All activities are currently on schedule to support June 2008 SCA submittal. Current critical activities are developing ER Chapter 5, Operational Impacts, and ER Chapter 4, Construction Impacts.

2.4.4. PEF SS&W Price Finalization

The project is 79% complete. The SPI is 1.0. Final management review of cost book write-ups and estimates are being completed in all four major categories, Building & Yard Areas, Construction, Environmental – Geotechnical, and Project Management. Updates are continuing to be provided to Westinghouse to support delivery of the Levy integrated schedule. Critical work activity items include revisions to the boring location plan, identifying and documenting LWA activities, and to recommend consensus conceptual design report for NI, TI, and T-Pad excavation and foundations. The CPI is 1.0 with current forecasted cost expected to be approximately under the funds authorized.

REDACTED

2.4.5. PEF Westinghouse Price Finalization

The January 31st project milestone to deliver the Levy pre-construction schedule was not met. A PDF version of an interim schedule was delivered on February 4th, with the Levy integrated schedule now targeted for a March 14th delivery. Progress Energy is contacting Westinghouse to address the overall quality of this deliverable and determine if it is acceptable per terms of the contract. Currently on schedule to deliver integrated price book on February 14th. Final payment is being withheld until all contractual items are resolved.

2.4.6. PEF SS&W Phase 1A Conceptual Design/Planning

Overall Phase 1A project is 100% complete for the original tasks. The SPI for the project is 1.00 (approved impact evaluation established a re-baseline for project). Progress Energy review of CDP's completed. The CPI is 1.00 with current forecasted cost to be under the funds authorized. This underun will be utilized to fund the majority of the cost for COLA Constructability Reviews (Task 11) and Early Permitting Support (Task 12).

REDACTED

2.5. Scope Changes**2.5.1. Business Analysis Package (BAP) Changes**

Discussions are ongoing with Capital Planning & Control to convert the LNP project from the Business Analysis Package Process (BAP) to the Integrated Project Plan Process (IPP). The current plan is to complete a 2nd COLA BAP revision to bridge the project for work activities required until Price Finalization and EPC negotiations are completed and an updated total project cost can then be incorporated into an IPP. Work on the second revision to the BAP has commenced.

REDACTED

2.5.2. PEC Scope Changes Authorized

Since approval of JVT WA Amendment # 4 in April 2007, NPD has approved 24 Impact Evaluations for a total of . These are being incorporated into the next WA Amendment #5 which is complete and currently in the approval process. Upon approval of WA #5, the COLA budget will be . Most of the Impact Evaluations approved were required to support conceptual design work for site specific systems needed for the COLA and for new scope items required for FSAR 2.5. Also, 3 Impact Evaluations were reviewed and rejected for a total of .

2.5.3. PEC Potential and/or Pending Scope Changes

Other potential Progress Energy Carolina scope changes include:

- All COLA Phase 1 items have been dispositioned.
- COLA Phase 2 Impact Evaluation is pending approval

REDACTED

Each potential PEC scope change goes through a formal review process and dollar values are subject to be changed from the original amount submitted.

2.5.4. PEF Authorized Scope Changes

- Since approval of JVT WA Amendment # 2 in June 2007, NPD has approved 39 Impact Evaluations for a total of [REDACTED]. These will be incorporated into the next WA Amendment #3. An update to the task descriptions will need to be submitted by JVT to incorporate most recent impact evaluations to support Amendment 3 work on the WA. Most Impact Evaluations were required to support additional field activities required after selecting the site, and also for conceptual design work for site specific systems needed for the COLA. It should be emphasized that the large number of Impact Evaluations and associated cost is due to the Levy Site not being selected at the time the COLA work started. Also, 2 Impact Evaluations were reviewed and rejected for a total of [REDACTED]. Based on impact evaluations submitted and approved as of January 31st, the next WA amendment would increase the contract budget to [REDACTED].
- Since approval of JVT WA # 3 for the Site Certification Application in July 2007, 2 Impact Evaluations were approved for a total of [REDACTED]. The Impact Evaluations incorporated new scope related to Federal Permitting and Baseline Ecological Survey. Based on impact evaluations submitted and approved as of January 31st, the next WA amendment would increase the contract budget to [REDACTED].
- Since approval of SSW WA#2 for Phase 1A support, one impact evaluation was approved to complete COLA constructability reviews. This work was funded from current WA#2 underruns. Impact Evaluation 93 was submitted to document projected [REDACTED] savings to WA #1, #2, #3, #4. Proposal being submitted to incorporate Shaw work through June for activities related to permit support and early design activities.

2.5.5. PEF Potential and/or Pending Scope Changes

Other Progress Energy Florida potential scope changes include:

- RCC & Flowable Fill Test Pad construction & testing (IE 130) [REDACTED]
- Groundwater Modeling
- ER Fieldwork scope to cover railroad to Dunnellon.
- SCA- Supplemental Permitting Activities (permit scheduling & tracking, supplemental field surveys).
- SCA- Wetland Mitigation Plan (IE 132) [REDACTED]

Each potential PEF scope change goes through a normal review process and dollar values are subject to be changed from the original amount submitted.

2.6. High Risk Issues

The following risk items identified for Management attention for PEC include:

- NRC identified issues with the CH2M Hill field work plan. An independent Assessment Team was formed to evaluate NQA-1 compliance of the field work implementing procedures, field data, and field work plan.
- Expectations for water requirements from the Cape Fear River.

The following risk items identified for Management attention for PEF include:

- Resolution of the site boundary (EAB) as determined by the initial meteorological data.
- Suitability of the soil/rock substrata for AP1000 structures. Karst investigations
- Evaluation & environmental impacts of the makeup and blowdown options.
- Obtaining US Army Corps of Engineer and Florida state review of permits.
- Develop maximum 100 year wet bulb and dry bulb temperature (100 year return period basis).

2.7. Organization & Staffing

2.7.1. Permanent Positions

The following authorized positions are vacant/ being recruited in the NPD organization:

- Electrical Engineer – vacancy created by resignation, recruiting in progress.
- I&C Engineer – recruiting in progress.
- Sr Engineer – (undesignated discipline), will be posted soon.
- Sr Technical Support Specialist - (undesignated discipline), will be posted soon.

2.7.2. Contract Staff

The following functional areas are covered by contract personnel augmentation:

- Field & Construction Management.
- Emergency Planning.
- COLA Administrative Reviews.
- NPD Project Docs. Database implementation.
- Environmental permitting & licensing.
- Scheduling (part-time support via NGG Fire Protection contract staff).

2.7.3. License Renewal Staffing Transition

Transition to NES Chiefs complete.

3. Significant Project Decisions

The following significant recently made decisions regarding the Harris and Levy Deployments.

3.1. PEC

- Failure Mode Effects Analysis for the switchyard will be completed per Reg. Guide 1.206 and the NRC Standard Review Plan.
- Technical Support Center will be in the nuclear island as originally designed by Westinghouse.
- Will not excavate the non-active fault that extends to the Unit 2 area prior to COLA submittal.
- To support the ER, will use table top evaluations that show Transmission Right of Way through the county impacted since route is not final.
- Location of the Cape Fear Make-up was finalized.

3.2. PEF

- COLA borings confirming the location & orientation of Units 1&2.
- Conceptual foundation design approach finalized. Compacted fill will be used for the nuclear island, piles will be used for other buildings (i.e.: Turbine, Diesel, and Annex. Buildings).
- Railroad will follow an Eastern route to Dunnellon.
- Transmission line corridors will include three 500kv lines traversing to the South.
- Utilizing a combined Switchyard for both units instead of separate Switchyard.
- The freshwater source for Potable, Demineralized, and Service Water Cooling Tower systems is well water.
- The north bank of the Barge Canal is the tentatively selected option for the Blowdown discharge into the Gulf.
- The Barge Canal is the option selected for the Make-up water intake.

4. Self-Evaluation Results

4.1. Self Assessments and Audits

Upcoming assessments/ audits include.

- Internal Audit completed in December 2007 achieved an effective rating. Minor observations included improved risk identification, strengthened contract language requiring more supporting invoice detail, implementing the project integrated schedule, and continued monitoring of staffing requirements.

4.2. NPD Corrective Action Program (CAP)

The following NPD NCRs were written during January 2008

- No NCRs issued.

4.3. NPD Benchmarking

NPD Self Assessment & Benchmark 2008 plan is complete in Passport.

4.4. NPD Quality Assurance Activities

NGGM-PM-0030 formally documents existing business philosophy to use existing NGGC procedures and processes to implement Appendix B for new plant activities.

- A Progress Energy audit is planned in December to verify the JVT actions planned to resolve NRC QA deficiencies.

4.4.1. NRC QA Audit

The NRC QA Audit identified a number of nonconforming conditions. A team for an independent assessment of the CH2M Hill Safety Related activities has been constituted for this assessment.

- The detailed independent assessment plan and schedule was discussed with progress Energy on 11/12/07.
- CH2M is proceeding with the disposition of the 8 CARs from the NRC Audit.
- Initial evaluations will be completed by 12/05/07.
- Fieldwork and subcontractor reports will be completed by 12/31/07.
- Final report is schedule for 01/25/07.

The LNP fieldwork plan and implementing procedures are being reviewed by the Independent team. The fieldwork plan will be submitted to Progress Energy for acceptance once the fieldwork plan is accepted by the independent team including any required revisions. (11/15/07).

4.4.2. NPD Quality Assurance Plan

Quality Assurance Plan for Nuclear Plant Development and Construction Activities is included in NGG Program Manual and approved by Scotty Hinnant, as Chief Nuclear Officer. NGGM-PM-0030, Quality Assurance Plan for New Nuclear Plant Development and Construction Activities, Revision 0 issued and effective June 25, 2007.

- CNO approval of the QA Program Description that will be submitted with the Harris COLA is required.

4.4.3. Planned COLA Reviews

- Peer reviews of Emergency Plan, Security Plan and Environmental Report COLA. Review includes technical, licensing and administrative review.
- An independent review includes Corporate Reg Affairs, QA and NPD.

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- Final review will incorporate any required changes from the NRC sufficiency review of the Reference COLA that have been identified by year end.

5. Engineering Update

5.1. PEF Land Acquisition

NPD is currently working with Progress Energy Real-estate and several other PEF organizations to identify a potential rail spur route from Dunnellon to the LEVY site. One option to minimize land purchase is to utilize sections of an abandoned rail corridor owned by Progress Energy.

5.2. PEF Field Activities

Field soil resistivity testing was performed in January, results will be utilized to support the design of the cathodic protection system.

5.3. PEF Site Engineering

LNP site engineering efforts continue with NPD and the JVT establishing a conceptual cooling tower blowdown pipe route. NPD and the JVT met with the NRC to discuss the non uniform soil characteristics of the LEVY site and the roller compacted concrete foundation design that will be used for remediation of the soil under the Nuclear Island foundation. In addition NPD is working with the JVT to establish a mix design and validation testing for the roller compacted concrete (RCC).

5.4. PEC Field Activities

Currently, there are no field activities in progress at HAR.

5.5. PEC Site Engineering

HAR site engineering efforts at this time only include those decisions necessary to support COL development. In light of the current drought information, an effort to evaluate water conservation options at HAR the JVT has been contracted to perform a more detailed study of hybrid and dry cooling tower. This study will compare potential water usage, efficiency losses and cost associated with all cooling tower options.

5.6. AP1000 Design Activities

Design reviews were held with Westinghouse, Toshiba and SSW on the secondary plant layout and design.

NuStart and Westinghouse continue to develop the I&C infrastructure.

The integrated WEC, SS&W and Toshiba design finalization schedule will be delivered in March. This will be a tool utilized to monitor AP 100 design schedule adherence but will also be a tool used by utilities to identify resource requirements to support final system design and component specification reviews.

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6. Licensing Update

6.1. PEC

Current schedule predicts a COLA submittal date of 2/19/08 – Delay due to late submittal of NuStart sections and to allow incorporation of NRC comments regarding the R-COLA. The COLA submittal was delayed from 1/30/08 to 2/19/08 to separate the submittal from public meetings regarding the Harris License Renewal.

There is community interest in the following activities associated with the Harris COLA:

- We anticipate that water usage will be a significant interest area from state regulators and local residents. The current drought conditions have increased the focus in this area.
- We expect that the Western Wake Reclamation Facility will request that we accept discharge of this facility into Harris Lake.

6.2. PEF

Detailed schedule review has achieved a revised schedule that supports a COLA submittal by 7/30/08. The COLA must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits. In addition, we have recently been advised by the NRC that COLA submittals after 9/30/08 will result in a significant delay due to lack of NRC reviewers.

We expect that LWA will be desired to support soil remediation (backfill) and other construction activities prior to COL. Construction schedule and tasks are being evaluated to determine scope of LWA. There is significant concern that the LWA rule may be challenged. We are working on strategies that minimize risk and best support the schedule.

The other significant challenge is to obtain Corps of Engineers review and approval of 404 (Clean Water Act) permits that will be required to support the Levy site development. We have had meetings with the Corps and determined that early permits are not achievable. The significant challenges are to get the Corps to agree to a schedule that we meet our needs and to determine the best way to obtain the required Environmental Impact Statement (EIS) that the Corps will require to issue the 404 permit. We have a meeting scheduled with the NRC on 2/20/08 to review these challenges and identify possible solutions.

Site Certification Application (SCA) is scheduled for submittal in June 2008. We anticipate that pre-construction work will require permits to be issued in advance of SCA. Legislation is being introduced in Florida to allow issuance of permits in advance of the SCA. Scope and schedule for required permits is being developed and meetings with the state agencies will be setup to review permitting needs.

Resolution of the required 404 permit (Corps of Engineers) concerns, approval of the SCA and LWA within 2 years are required to achieve an in-service date for LNP by 4th quarter 2016.

7. License Renewal Update – Due to organization changes, License Renewal is no longer assigned to NPD and will not be included in future reports.

7.1. HNP License Renewal Application Review

The NRC public meeting for the Draft Environmental Impact Statement (DEIS) was held on January 30, 2008 in Apex, NC. The meeting was uneventful. An attorney for NCWARN presented comments at the afternoon meeting. There were no other comments from the public. The next significant milestone is issuance of the Draft Safety Evaluation Report (SER) which is expected in March 2008.

7.2. CR3 License Renewal Application Development

IPA calculations are in progress for ECCS, Fire Services & Sampling, Raw Water and Steam systems. Civil AMR for outside areas is approximately 65% complete. Project is on schedule with license submittal January 2009.

8. NuStart Development LLC Update

The AP1000 R-COLA (Bellefonte) was docketed by the NRC in January. NRC sufficiency review of the first S-COLA (Duke) is in progress. The decision was made by NuStart to accept Dominion's North Anna Station as the reference ESBWR COL, and as a result decided to delay the submittal of NuStart's ESBWR COLA for Grand Gulf to February 2008. NuStart is also developing a process for configuration control/change management of DCD/COLA after COL submittal.

9. APOG LLC Update

The APOG LLC (which stands for Advanced Passive 1000 Owners Group) was officially formed in August 2007, with initial members consisting of Progress Energy, SCANA, Duke Energy, and Southern. The first kick-off meeting was held in September 2007. No recent meetings or activities have been held.

10. Public and Media Interaction

Harris License Renewal public meeting held on January 30th.



Progress Energy

Nuclear Plant Development

Performance Report

February 2008

**Progress Energy, Inc.
410 South Wilmington Street
Raleigh, North Carolina 27602**



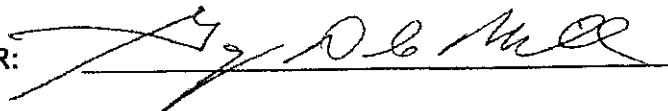
Submitted by

Supervisor Projects Controls



Approval

General Manager NPD&LR:



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1. Executive Summary

1.1. Safety

There are no health and safety issues to report for the month of February 2008.

1.2. Cost

REDACTED

1.3. Schedule

PEC COLA - The project is 99.5% complete. Progress Energy formally submitted the COLA to the NRC on February 19, 2008. Sufficiency Review is in progress. To date no acceptance review RAI's have been submitted.

PEF COLA -The project is 75% complete. Impact Evaluation # 109 has been submitted and upon approval sets the baseline that supports a July 31, 2008 COLA submittal to the NRC. The project is on schedule and all 30 key milestones scheduled for February 2008 were completed on time. Critical work activities include complete and issue FSAR 2.4, FSAR 2.5, and ER Chapter 7.

PEF Price Finalization (Shaw) – The project is 99% complete. All cost book write-ups and estimates were completed in all major categories which include Building & Yard Areas, Construction, and Environmental. The Levy Price Book was submitted to Progress Energy on February 14th. Remaining work focuses on development of the integrated schedule and any PGN RFI's related to the price book.

PEF Phase 1A Activities – The project is 100% complete for all original tasks (1-10). All activities and deliverables were completed per baseline schedule. Task 12, travel expenses, will remain open until all outstanding expenses are submitted and to resolve open issues with expense accounts. Tasks 11 remains open to support COLA constructability reviews & owner technical reviews. Task 13 remains open to support SCA and LWA work activities. Approval of a new WA is in progress for the total scope requirements for activities required to support the SCA and LWA submittal.

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PEF Price Finalization (Westinghouse) – The January 31st project milestone to deliver the Levy pre-construction schedule was not met. A PDF version of an interim schedule was delivered on February 4th, with the Levy integrated schedule is now targeted for a March 14th delivery. Progress Energy has contacted Westinghouse to address the overall quality of this deliverable and determine if is acceptable per terms of the contract. The integrated price book was delivered on February 14th as scheduled, however details are lacking and discussions continue to allow Progress Energy more open access to the supporting data. This is required to document prudent decision making related to cost.

PEF Site Certification Application – The project is 60% complete. Current schedule indicates all activities are currently on target to support submittal of all OAR items by April 1, 2008 and June 2, 2008 SCA submittal; however, however, SCA and the Federal Permit tasks were "behind schedule" as of February 29th due to delays in completion of COLA ER sections, availability of resources, and delay in deliverables from Golder, Westinghouse, and Shaw.

1.4. Key Issues

- Railroad route finalization
- Site De-watering test
- RCC Test pad
- Develop permitting strategy to address impact of the requirement by the Army Corp. of Engineers prior to issuance of the COLA. Shaw submitting a revised proposal in February for their portion of the work scope

1.5. Look Ahead

- Need filing submittal scheduled for March 11, 2008
- Comprehensive Land Use Hearing (Rezoning) March 11, 2008
- Progress Energy QA Audit of CH2M, week of March 31, 2008

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2. Project Performance Data and KPIs

2.1. KPI Summary

Project Cost Current Year		
Project Cost Total COLA BAP		Yellow
Major Milestone Achievement		
PEF COLA SPI -	1.01	
PEF COLA CPI -	1.01	
PEC COLA SPI -	1.00	
PEC COLA CPI -	1.08	
Shaw PH 1A SPI -	1.00	
Shaw PH 1A CPI -	1.00	
Shaw Price Final SPI -	1.07	
Shaw Price Final CPI -	1.00	
SCA SPI -	0.83	Yellow
SCA CPI -	1.53	

2.2. Cost Performance

REDACTED

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**PAGES 7 - 8
REDACTED**

2.3. Contract Status (exceeding

REDACTED

REDACTED

2.4. Schedule Performance

2.4.1. PEC COLA Development

Overall COLA project is 99.5% complete. The Schedule Performance Index (SPI) for the project is 1.00. Work was completed per the PEC End Game Schedule. Progress Energy submitted the COLA to the NRC on February 19, 2008. The Cost Performance Index (CPI) for the project is 1.08. The project CPI has consistently trended under the approved project baseline budget. JVT is forecasting to spend _____ to complete COLA Phase 1. This is inclusive of fees and bonus and the project is estimated to come in below the approved budget.

REDACTED

2.4.2. PEF COLA Development

Overall COLA project is 75% complete. The SPI for the project is 1.01. Impact Evaluation # 109 has been submitted and upon approval sets the new baseline that supports a July 31, 2008 COLA submittal to the NRC. The project is on schedule with all January deliverables completed on time. The improvement in COLA schedule is the result of significant planning and implementation of an alternate approach to complete FSAR 2.5. Critical work activities include complete and issue FASR 2.4, FSAR 2.5, and ER Chapter 7. Weekly schedule review meetings to review critical items, action items, and upcoming activities

with the JVT continue. The NRC has stated that sufficiency reviews for the Bellefonte COLA will take 60-120 days. The July submittal date is critical with the longer NRC acceptance review schedule. The CPI for the project is 1.01. The CPI has consistently trended under the approved project baseline budget.

2.4.3. PEF SCA Development

The project is approximately 60% complete. The SPI for the project is 0.83 and the CPI is 1.53. All activities are currently on schedule to support June 2008 SCA submittal; however, SCA and the Federal Permit tasks were "behind schedule" as of February 29th due to delays in completion of COLA ER sections, availability of resources (two documents being prepared by same staff), and delay in deliverables from Golder, Westinghouse, and Shaw. The Baseline Ecological Survey work was 100% complete as of 1/31/08 and Wetland Mitigation work has not started.

2.4.4. PEF SS&W Price Finalization

The project is 99% complete. The SPI is 1.07. All cost book write-ups and estimates were completed in all major categories which include Building & Yard Areas, Construction, and Environmental. The Levy Price Book was submitted to Progress Energy on February 14th. Remaining work focuses on development of the integrated schedule and any PGN RFI's related to the price book. The CPI is 1.0 with current forecasted cost expected to be approximately [REDACTED] der the [REDACTED] funds authorized.

REDACTED

2.4.5. PEF Westinghouse Price Finalization

The January 31st project milestone to deliver the Levy pre-construction schedule was not met. A PDF version of an interim schedule was delivered on February 4th, with the Levy integrated schedule is now targeted for a March 14th delivery. Progress Energy has contacted Westinghouse to address the overall quality of this deliverable and determine if is acceptable per terms of the contract. The integrated price book was delivered on February 14th as scheduled, however details are lacking and discussions continue to allow Progress Energy more open access to the supporting data. This is required to document prudent decision making related to cost.

2.4.6. PEF SS&W Phase 1A Conceptual Design/Planning

The project is 100% complete for all original tasks (1-10). All activities and deliverables were completed per baseline schedule. Task 12, travel expenses, will remain open until all outstanding expenses are submitted and to resolve open issues with expense accounts. Tasks 11 remains open to support COLA constructability reviews & owner technical reviews. Task 13 remains open to support SCA and LWA work activities. Approval of a new WA is in progress for the total scope requirements for activities required to support the SCA and LWA submittal. The SPI for the project is 1.00 (approved impact evaluation established a re-baseline for project). Progress Energy review of CDP's

REDACTED completed. The CPI is 1.00 with current forecasted cost to be approximately under the funds authorized.

2.5. Scope Changes

2.5.1. Business Analysis Package (BAP) Changes

Discussions are ongoing with Capital Planning & Control to convert the LNP project from the Business Analysis Package Process (BAP) to the Integrated Project Plan Process (IPP). The current plan is to complete a 2nd COLA BAP revision to bridge the project for work activities required until Price Finalization and EPC negotiations are completed and an updated total project cost can then be incorporated into an IPP. Work on the second revision to the BAP has commenced.

2.5.2. PEC Scope Changes Authorized

Since approval of JVT WA Amendment # 4 in April 2007, NPD has approved 22 Impact Evaluations for a total of REDACTED. These are being incorporated into the next WA Amendment #5 which is complete and currently in the approval process. Upon approval of WA #5, the COLA budget will be REDACTED. Most of the Impact Evaluations approved were required to support conceptual design work for site specific systems needed for the COLA and for new scope items required for FSAR 2.5. 3 additional Impact Evaluations have been approved in January and February for a total of REDACTED. 1 additional Impact Evaluation was approved to delete WWS Biocide scope, a credit of REDACTED. Also, 3 Impact Evaluations were reviewed and rejected for a total of REDACTED.

2.5.3. PEC Potential and/or Pending Scope Changes

Other potential Progress Energy Carolina scope changes include:

- All COLA Phase 1 items have been dispositioned.
- COLA Phase 2 Impact Evaluation is pending approval. REDACTED

Each potential PEC scope change goes through a formal review process and dollar values are subject to be changed from the original amount submitted.

REDACTED

2.5.4. PEF Authorized Scope Changes

- Since approval of JVT WA Amendment # 2 in June 2007, NPD has approved 47 Impact Evaluations for a total of REDACTED. These have been incorporated into WA Amendment #3. An update to the task descriptions will need to be submitted by JVT to incorporate most recent impact evaluations to support Amendment 3 work on the WA. Most Impact Evaluations were required to support additional field activities required after selecting the site, and also for conceptual design work for site specific systems needed for the COLA. It should be emphasized that the large number of Impact Evaluations and associated cost is due to the Levy Site not being selected at the time the COLA work started.

REDACTED

- Also, 3 Impact Evaluations were reviewed and rejected for a total of [REDACTED]. Based on impact evaluations submitted and approved as of January 31st, the next WA amendment would increase the budget to [REDACTED].
- Since approval of JVT WA # 3 for the Site Certification Application in July 2007, 3 Impact Evaluations were approved for a total of [REDACTED]. The Impact Evaluations incorporated new scope related to Federal Permitting, Wetland Mitigation Plan, and Baseline Ecological Survey. One impact evaluation for Supplementary Permitting was submitted in February. Based on impact evaluations submitted and approved as of January 31st, the next WA amendment would increase the contract budget to [REDACTED].
- Since approval of SSW WA#2 for Phase 1A support, one impact [REDACTED] evaluation was approved to complete COLA constructability reviews. This work was funded from current WA#2 underrun. Impact Evaluation 93 was submitted to document projected [REDACTED] savings to WA #1, #2, #3, #4. Proposal being submitted to incorporate Shaw work through June for activities related to permit support and early design activities.

2.5.5. PEF Potential and/or Pending Scope Changes

Other Progress Energy Florida potential scope changes include:

- ER compliance with RG 1555, 2007 changes
- Task 13, additional fieldwork
- New DOR for Site Geology
- SCA- Supplemental Permitting Activities (permit scheduling & tracking, supplemental field surveys)

Each potential PEF scope change goes through a formal review process and dollar values are subject to be changed from the original amount submitted.

2.6. High Risk Issues

The following risk items identified for Management attention for PEC include:

- NRC identified issues with the CH2M Hill field work plan. An independent Assessment Team was formed to evaluate NQA-1 compliance of the field work implementing procedures, field data, and field work plan.
- Expectations for water requirements from the Cape Fear River.

The following risk items identified for Management attention for PEF include:

- Resolution of the site boundary (EAB) as determined by the initial meteorological data
- Suitability of the soil/rock substrata for AP1000 structures. Karst investigations
- Evaluation & environmental impacts of the makeup and blowdown options
- Obtaining US Army Corps of Engineer and Florida state review of permits

- Develop maximum 100 year wet bulb and dry bulb temperature (100 year return period basis)
- Design of site specific systems continues to evolve. These changes could impact OAR deliverables and COLA submittal date

2.7. Organization & Staffing

2.7.1. Permanent Positions

The following authorized positions are vacant/ being recruited in the NPD organization:

- Electrical Engineer – vacancy created by resignation, recruiting in progress.
- I&C Engineer – recruiting in progress.
- Sr Engineer – (undesignated discipline), will be posted soon.
- Sr Technical Support Specialist - (undesignated discipline), will be posted soon.

2.7.2. Contract Staff

The following functional areas are covered by contract personnel augmentation:

- Field & Construction Management.
- Emergency Planning.
- COLA Administrative Reviews.
- NPD Project Docs. Database implementation.
- Environmental permitting & licensing.
- Scheduling (part-time support via NGG Fire Protection contract staff).

2.7.3. License Renewal Staffing Transition

Transition to NES Chiefs complete.

3. Significant Project Decisions

The following significant recently made decisions regarding the Harris and Levy Deployments.

3.1. PEC

- Failure Mode Effects Analysis for the switchyard will be completed per Reg. Guide 1.206 and the NRC Standard Review Plan.
- Technical Support Center will be in the nuclear island as originally designed by Westinghouse.
- Will not excavate the non-active fault that extends to the Unit 2 area prior to COLA submittal.
- To support the ER, will use table top evaluations that show Transmission Right of Way through the county impacted since route is not final.
- Location of the Cape Fear Make-up was finalized.

3.2. PEF

- COLA borings confirming the location & orientation of Units 1&2.
- Conceptual foundation design approach finalized. Compacted fill will be used for the nuclear island, piles will be used for other buildings (i.e.: Turbine, Diesel, and Annex. Buildings).
- Railroad will follow an Eastern route to Dunnellon.
- Transmission line corridors will include three 500kv lines traversing to the South.
- Utilizing a combined Switchyard for both units instead of separate Switchyard.
- The freshwater source for Potable, Demineralized, and Service Water Cooling Tower systems is well water.
- The north bank of the Barge Canal is the tentatively selected option for the Blowdown discharge into the Gulf.
- The Barge Canal is the option selected for the Make-up water intake.

4. Self-Evaluation Results

4.1. Self Assessments and Audits

Upcoming assessments/ audits include:

- Audit of New Plant Cost Model 2nd quarter 2008

4.2. NPD Corrective Action Program (CAP)

The following NPD NCRs were written during February 2008

- 00268212 - Harris COLA Electronic format required correction

4.3. NPD Benchmarking

NPD Self Assessment & Benchmark 2008 plan is complete in Passport. No assessments or benchmarks due in first quarter

4.4. NPD Quality Assurance Activities

NGGM-PM-0030 formally documents existing business philosophy to use existing NGGC procedures and processes to implement Appendix B for new plant activities.

- A Progress Energy audit is planned in December to verify the JVT actions planned to resolve NRC QA deficiencies.

4.4.1. NRC QA Audit

The NRC QA Audit identified a number of nonconforming conditions. A team for an independent assessment of the CH2M Hill Safety Related activities has been constituted for this assessment.

- The detailed independent assessment plan and schedule was discussed with progress Energy on 11/12/07.
- CH2M is proceeding with the disposition of the 8 CARs from the NRC Audit.
- Initial evaluations will be completed by 12/05/07.

- Fieldwork and subcontractor reports will be completed by 12/31/07.
- Final report is schedule for 01/25/07.

The LNP fieldwork plan and implementing procedures are being reviewed by the Independent team. The fieldwork plan will be submitted to Progress Energy for acceptance once the fieldwork plan is accepted by the independent team including any required revisions. (11/15/07).

4.4.2. NPD Quality Assurance Plan

Quality Assurance Plan for Nuclear Plant Development and Construction Activities is included in NGG Program Manual and approved by Scotty Hinnant, as Chief Nuclear Officer. NGGM-PM-0030, Quality Assurance Plan for New Nuclear Plant Development and Construction Activities, Revision 0 issued and effective June 25, 2007.

- CNO approval of the QA Program Description that will be submitted with the Harris COLA is required.

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- Peer reviews of Emergency Plan, Security Plan and Environmental Report COLA. Review includes technical, licensing and administrative review.
- An independent review includes Corporate Reg Affairs, QA and NPD.
- Final review will incorporate any required changes from the NRC sufficiency review of the Reference COLA that have been identified by year end.

5. Engineering Update

5.1. PEF Land Acquisition

NPD continues to work with Progress Energy Real-estate and several other PEF organizations to identify a potential rail spur route from Dunnellon to the LEVY site. One option to minimize land purchase is to utilize sections of an abandoned rail corridor owned by Progress Energy.

5.2. PEF Field Activities

Site de-watering test are being performed by Shaw to support LWA construction planning.

5.3. PEF Site Engineering

LNP site engineering activities continue with the JVT evaluating the option to have the blowdown piping discharge into the CR3 discharge canal. The Nuclear Island (NI) foundation conceptual design is nearing completion with the Paul Rizzo and associates evaluating the acceptability of the RCC foundation for site subsurface conditions in the Avon Park Geographical subsurface formation at the LEVY site. The JVT is also evaluating developing a more representative coincident wet bulb/ dry bulb temperature for the LEVY site. The original calculation which utilizes data from Jacksonville, Tallahassee, and Tampa yielded ultra conservative results and did not meet the current DCD tier 1 acceptance criteria. The current DCD acceptance criteria is also conservative and a change to the acceptance criteria is currently being evaluated by Westinghouse.

5.4. PEC Field Activities

Currently, there are no field activities in progress at HAR.

5.5. PEC Site Engineering

In light of the current drought information, an effort to evaluate water conservation options at HAR the JVT has been contracted to perform a more detailed study of hybrid and dry cooling tower. This study will compare potential water usage, efficiency losses and cost associated with all cooling tower options.

5.6. AP1000 Design Activities

Design reviews were held in February with Westinghouse and NUstart on the secondary sampling and turbine component cooling system as well as the SQIB valve design which is used as a RCC depressurization mechanism during accident conditions.

NuStart and Westinghouse continue to develop the I&C/HFE infrastructure with a joint design criteria meeting being held in Raleigh March 4th -6th. Key issues include SQA, EMI/RFI, Functional Scope, and ITAAC. Training on the I&C platform "Ovation" was given in February by Emerson technologies (which owns the Ovation system). Progress Energy attended the training. Intermediate Design Review of the Reactor Trip/ESFAS will be conducted April 22nd and 23rd in Monroeville.

The integrated WEC,SSW and Toshiba design finalization schedule will be delivered in March. This will be a tool utilized to monitor AP 100 design schedule adherence but will also be a tool used by utilities to identify resource requirements to support final system design and component specification reviews.

6. Licensing Update

6.1. PEC

Current schedule predicts a COLA submittal date of 2/19/08

There is community interest in the following activities associated with the Harris COLA:

- We anticipate that water usage will be a significant interest area from state regulators and local residents. The current drought conditions have increased the focus in this area.
- We expect that the Western Wake Reclamation Facility will request that we accept discharge of this facility into Harris Lake.

6.2. PEF

Detailed schedule review has achieved a revised schedule that supports a COLA submittal by 7/30/08. The COLA must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits. In addition, we have recently been advised by the NRC that COLA submittals after 9/30/08 will result in a significant delay due to lack of NRC reviewers.

We expect that LWA will be desired to support soil remediation (backfill) and other construction activities prior to COL. Construction schedule and tasks are being evaluated to determine scope of LWA. There is significant concern that the LWA rule may be challenged. We are working on strategies that minimize risk and best support the schedule.

The other significant challenge is to obtain Corps of Engineers review and approval of 404 (Clean Water Act) permits that will be required to support the Levy site development. We have had meetings with the Corps and determined that early permits are not achievable. The significant challenges are to get the Corps to agree to a schedule that we meet our needs and to determine the best way to obtain the required Environmental Impact Statement (EIS) that the Corps will require to issue the 404 permit.

Site Certification Application (SCA) is scheduled for submittal in June 2008. We anticipate that pre-construction work will require permits to be issued in advance of SCA. Legislation is being introduced in Florida to allow issuance of permits in advance of the SCA. Scope and schedule for required permits is being developed and meetings with the state agencies will be setup to review permitting needs.

Resolution of the required 404 permit (Corps of Engineers) concerns and approval of the SCA and LWA within 2 years is required to achieve an in-service date for LNP by 4th quarter 2016.

7. License Renewal Update –

Due to organization changes, License Renewal is no longer assigned to NPD and will not be included in future reports.

7.1. HNP License Renewal Application Review

The NRC public meeting for the Draft Environmental Impact Statement (DEIS) was held on January 30, 2008 in Apex, NC. The meeting was uneventful. An attorney for NCWARN presented comments at the afternoon meeting. There were no other comments from the public. The next significant milestone is issuance of the Draft Safety Evaluation Report (SER) which is expected in March 2008.

7.2. CR3 License Renewal Application Development

IPA calculations are in progress for ECCS, Fire Services & Sampling, Raw Water and Steam systems. Civil AMR for outside areas is approximately 65% complete. Project is on schedule with license submittal January 2009.

8. NuStart Development LLC Update

The AP1000 R-COLA (Bellefonte) was docketed by the NRC in January. NRC sufficiency review of the first S-COLA (Duke) is in progress. The decision was made by NuStart to accept Dominion's North Anna Station as the reference ESBWR COL, and as a result decided to delay the submittal of NuStart's ESBWR COLA for Grand Gulf to February 2008. NuStart is also developing a process for configuration control/change management of DCD/COLA after COL submittal.

9. APOG LLC Update

The APOG LLC (which stands for Advanced Passive 1000 Owners Group) was officially formed in August 2007, with initial members consisting of Progress Energy, SCANA, Duke Energy, and Southern. The first kick-off meeting was held in September 2007. No recent meetings or activities have been held.

10. Public and Media Interaction

Harris License Renewal public meeting held on January 30th.



Progress Energy

Nuclear Plant Development

Performance Report

March 2008

**Progress Energy, Inc.
410 South Wilmington Street
Raleigh, North Carolina 27602**



Submitted by

Supervisor Projects Controls

Levin Fujii

Approval

General Manager NPD&LR:

Ag DeWitt

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1. Executive Summary

1.1. Safety

There are no health and safety issues to report for the month of March 2008.

1.2. Cost

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1.3. Schedule

PEC COLA (JVT) - The project is 99.5% complete. Progress Energy formally submitted the COLA to the NRC on February 19, 2008. Sufficiency Review is in progress. To date no acceptance review RAI's have been submitted. NRC Acceptance Review, and attorney work scope items are open. Phase 1 will close when the NRC docket the Harris COLA. Phase 2 Work Authorization preparation is underway.

PEF COLA -The project is 85% complete. Impact Evaluation # 109 approved the baseline that supports a July 31, 2008 COLA submittal to the NRC. The project is on schedule and 40 of 43 key milestones scheduled for March 2008 were completed on time. 144 total activities completed in March. Critical work activities include complete and issue FSAR 2.4 and FSAR 2.5.

PEF Price Finalization (Shaw) – The project is 100% complete. The AP 1000 price book was submitted on February 14th and the Levy Integrated Schedule was submitted on March 14th. All activities completed and WA closed.

PEF Phase 1A Activities (Shaw) – The project is 100% complete for all original tasks (1-10). All activities and deliverables were completed per the baseline schedule. Task 12, travel expenses, will remain open until all outstanding expenses are submitted and to resolve open issues with expense accounts. Tasks 11 remains open to support COLA constructability reviews & owner technical reviews. COLA reviews are scheduled to be complete by April 23rd. Approval of a new WA was recently complete for the total scope requirements for activities required to support the SCA and LWA submittal.

PEF Price Finalization (Westinghouse) – The January 31st project milestone to deliver the Levy pre-construction schedule was not met. A PDF version of an interim schedule was delivered on February 4th, and an electronic version of the Levy integrated schedule was delivered on March 14th. Progress Energy has contacted Westinghouse to address the overall quality of this deliverable and determine if it is acceptable per terms of the contract. Progress Energy is withholding final payment until the issues with the schedule are resolved. The integrated price book was delivered on February 14th as scheduled, however details are lacking and discussions continue to allow Progress Energy more open access to the supporting data. This is required to document prudent decision making related to cost.

PEF Site Certification Application (JVT) – The project is 60% complete. Current schedule indicates all activities are currently on target to support submittal of all OAR items by April 1, 2008 and for a June 2, 2008 SCA submittal. Owner Acceptance Review, Legal reviews, and final issue are critical activities.

1.4. Key Issues

- Complete Letter of Intent, WA, and BAP Revision to support preserving PEF position in supply chain for major equipment
- Support PEF Need Determination responses to FDEP and intervener interrogatories and production of documents

1.5. Look Ahead

- NRC Acceptance of Harris COLA (mid April)
- Internal Audit of PEF Total Project Cost Estimate spreadsheet (April)
- Progress Energy QA Audit of CH2M (April 4th complete)
- Levy Zoning Application (April 10th)
- EPC negotiations resume in April
- FPSC Public Hearing on Levy Project April 22nd

2. Project Performance Data and KPIs

2.1. KPI Summary

Project Cost Current Year		
Project Cost Total COLA BAP		Yellow
Major Milestone Achievement		
PEF COLA SPI -	1.00	
PEF COLA CPI -	1.07	
PEC COLA SPI -	1.00	
PEC COLA CPI -	1.08	
Shaw PH 1A SPI -	1.00	
Shaw PH 1A CPI -	1.00	
Shaw Price Final SPI -	1.00	
Shaw Price Final CPI -	1.00	
SCA SPI -	1.00	
SCA CPI -	1.37	
Shaw SCA & LWA SPI -	1.22	
Shaw SCA & LWA CPI -	1.00	

2.2. Cost Performance

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**PAGES 7 - 8
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2.4. Schedule Performance

2.4.1. PEC COLA Development

Overall COLA project is 99.5% complete. The Schedule Performance Index (SPI) for the project is 1.00. The COLA was submitted to the NRC on February 19, 2008. NRC Acceptance Review continues and it is anticipated that the COLA will be docketed in mid April. To date, no RAI's identified during Sufficiency Review. The Cost Performance Index (CPI) for the project is 1.08 and is expected to be completed at _____ under the approved _____ approved budget (excluding incentives). The project CPI consistently trended under the approved project baseline budget.

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2.4.2. PEF COLA Development

Overall COLA project is 85% complete. The SPI for the project is 1.0. Impact Evaluation # 109 has been approved that sets the new baseline for a July 31, 2008 COLA submittal to the NRC. The project is on schedule with 140 of 143 key milestones for March completed on time. 144 total activities completed in March. Critical work activities include complete and issue FASR 2.4 and FSAR 2.5. FSAR Section 2.5.4 is approximately 10 days behind schedule. Measures are being discussed to recover the schedule. Weekly schedule review meetings of critical items, action items, and upcoming activities with the JVT continue. The NRC has stated that sufficiency reviews for the Bellefonte COLA will take 60-120 days. The July submittal date is critical with the longer NRC acceptance review schedule. The CPI for the project is 1.07. The CPI has consistently trended under the approved project baseline budget.

2.4.3. PEF SCA Development

The project is approximately 60% complete. The SPI for the project is 1.00 and the CPI is 1.37. All activities are currently on schedule to support June 2008 SCA submittal. The SCA was submitted for OAR to Progress Energy on April 1st. Current critical activities are completing OAR, legal reviews, and management reviews to support the June submittal date.

2.4.4. PEF SS&W Price Finalization

The project is complete except for Task 11, COLA reviews and open items to resolve on Task 12 related to travel expenses. The SPI is 1.0. The CPI is 1.0 with current forecasted cost expected to be approximately _____ under the _____ inds authorized.

REDACTED

2.4.5. PEF Westinghouse Price Finalization

This work is complete; however the January 31st project milestone to deliver the Levy pre-construction schedule was not met. A PDF version of an interim schedule was delivered on February 14th, and an electronic version of the Levy integrated schedule was delivered on March 14th. Progress Energy has contacted Westinghouse to address the overall quality of the deliverables and

determine if is acceptable per terms of the contract. Final payment is being withheld until all contractual items are resolved.

2.4.6. PEF SS&W Phase 1A Conceptual Design/Planning

Overall Phase 1A project is 100% complete for the original tasks. The SPI for the project is 1.00 (approved impact evaluation established a re-baseline for project). Progress Energy review of CDP's completed. The CPI is 1.00 with current forecasted cost to be under the funds authorized.

2.4.7. PEF SS&W SCA & LWA Support

REDACTED

WA approved to provide engineering, geotechnical, and construction support to support the submittal of the SCA and LWA. The work commenced on February 11th under WA #2, Task 13. Realignment of work to a new WA #6 is complete. Key work items center on dewatering well drilling and testing. The SPI for the project is 1.22. The CPI is 1.0 with current forecasted cost to be on budget to the

REDACTED

2.5. Scope Changes

2.5.1. Business Analysis Package (BAP) Changes

Discussions were completed with Capital Planning & Control to convert the LNP project from the Business Analysis Package Process (BAP) to the Integrated Project Plan Process (IPP). A 2nd COLA BAP revision was completed and approved to incorporate requirements of the WEC & Shaw LOI, approved COLA impact evaluations, and bridge the 2008 project requirements until Price Finalization and EPC negotiations are completed and an updated total project cost can then be incorporated into an IPP. In the interim a 'BAP Bridge Document' will be presented to LINC on May 9th to "bridge" the Project Authorization from the previously approved BAP until the new IPP is developed. For purposes of 2008, a BAP Bridge is to be developed for each the Transmission and COLA/Construction activities for 2008.

2.5.2. PEC Scope Changes Authorized

Since approval of JVT WA Amendment # 4 in April 2007, NPD has approved 22 Impact Evaluations for a total of . These are being incorporated into the next WA Amendment #5 which is complete and currently awaiting final approval by the JVT. Upon approval of WA #5, the COLA budget will be

REDACTED

Most Impact Evaluations approved were required to support conceptual design work for site specific systems needed for the COLA and for new scope items required for FSAR 2.5. 3 additional Impact Evaluations have been approved for a total of . 1 additional Impact Evaluation was approved to delete WWS Biocide scope, a credit c . Also, 3 Impact Evaluations were reviewed and rejected for a total c

REDACTED

2.5.3. PEC Potential and/or Pending Scope Changes

Other potential Progress Energy Carolina scope changes include:

- All COLA Phase 1 items have been dispositioned
- COLA Phase 2 Impact Evaluation approved . Work Authorization is being prepared

REDACTED

Each potential PEC scope change goes through a formal review process and dollar values are subject to be changed from the original amount submitted.

REDACTED

2.5.4. PEF Authorized Scope Changes

- Since approval of JVT WA Amendment # 2 in June 2007, NPD has approved 47 Impact Evaluations for a total of . These have been incorporated into WA Amendment #3. Most Impact Evaluations were required to support additional field activities required after selecting the site, and also for conceptual design work for site specific systems needed for the COLA. It should be emphasized that the large number of Impact Evaluations and associated cost is due to the Levy Site not being selected at the time the COLA work started. Also, 4 Impact Evaluations were reviewed and rejected for a total of . Based on impact evaluations submitted and approved the next WA amendment would increase the contract budget to REDACTED
- Since approval of JVT WA # 3 for the Site Certification Application in July 2007, 4 Impact Evaluations were approved for a total of . The Impact Evaluations incorporated new scope related to Federal Permitting, Wetland Mitigation Plan, and Baseline Ecological Survey. Based on impact evaluations submitted and approved, the next WA amendment would increase the contract budget to
- Since approval of SSW WA#2 for Phase 1A support, one impact evaluation was approved to complete COLA constructability reviews. This work was funded from current WA#2 underruns. Impact Evaluation 94 was approved to document approximately \$1.1M savings to WA #1, #2, #3, and #4. REDACTED
- SSW WA #6 approved for SCA & LWA submittal support
- SSW proposal submitted , to provide limited Phase 1 design support to preserve the 2016 COD option

2.5.5. PEF Potential and/or Pending Scope Changes

Other Progress Energy Florida potential scope changes include:

- RCC & Flowable Fill Test Pad
- Solution Cavities
- FSAR 2.0 & 2.4 additional scope
- Site Arrangement ER Impacts
- U2 Dewatering drill deeper well to 225 feet

Each potential PEF scope change goes through a formal review process and dollar values are subject to be changed from the original amount submitted.

2.6. High Risk Issues

The following risk items identified for Management attention for PEC include:

- Expectations for water requirements from the Cape Fear River.

The following risk items identified for Management attention for PEF include:

- Resolution of the site boundary (EAB) as determined by the initial meteorological data.
- Suitability of the soil/rock substrata for AP1000 structures. Karst investigations
- Evaluation & environmental impacts of the makeup and blowdown options
- Obtaining US Army Corps of Engineer and Florida state review of permits
- Develop maximum 100 year wet bulb and dry bulb temperature (100 year return period basis)
- Design of Site unique systems continue to evolve. Late changes could impact COLA submittal

2.7. Organization & Staffing

2.7.1. Permanent Positions

The following authorized positions are vacant on the organization chart / being recruited in the NPD organization:

- Sr Engineer
- Sr Engineer Licensing
- Sr Document Management Specialist

2.7.2. Contract Staff

The following functional areas are covered by contract personnel augmentation:

- Field & Construction Management.
- Emergency Planning.
- COLA Administrative Reviews.
- NPD Project Docs. Database implementation.
- Environmental permitting & licensing.
- Scheduling (part-time support via NGG Fire Protection contract staff).

2.7.3. License Renewal Staffing Transition

Transition to NES Chiefs complete.

3. Significant Project Decisions

The following significant recently made decisions regarding the Harris and Levy Deployments.

3.1. PEC

- Failure Mode Effects Analysis for the switchyard will be completed per Reg. Guide 1.206 and the NRC Standard Review Plan
- Technical Support Center will be in the nuclear island as originally designed by Westinghouse
- Will not excavate the non-active fault that extends to the Unit 2 area prior to COLA submittal
- To support the ER, will use table top evaluations that show Transmission Right of Way through the county impacted since route is not final
- Location of the Cape Fear Make-up was finalized
- FMEA for Switchyard to be performed per RG 1.206
- DCD plant elevation 100' equals NGVD elevation 261'

3.2. PEF

- COLA borings confirming the location & orientation of Units 1&2.
- Conceptual foundation design approach finalized. Compacted fill will be used for the nuclear island, piles will be used for other buildings (i.e.: Turbine, Diesel, and Annex. Buildings)
- Railroad to Dunnellon will exit towards the north east on the north side of the property
- Utilizing a combined Switchyard for both units instead of separate Switchyard.
- The freshwater source for Potable, Demineralized, and Service Water Cooling Tower systems is well water
- Blowdown discharge will be to the Crystal River discharge Canal to the gulf via the north bank of the barge canal and then along the Progress Energy transmission corridor running south from the Barge Canal
- The option where CWS Blowdown is to the Crystal River discharge canal will be described in the ER
- The Barge Canal is the option selected for the Make-up water intake.
- Linear Forced Draft Cooling Towers – economic analysis of alternates
- RCC testing options finalized
- Combined Unit 1&2 500 Kv switchyard. Line voltage from Switchyard to
- RAT is 500 Kv 230 Kv. To accommodate the 230 Kv RAT, the switchyard size will increase and the orientation will be East West

4. Self-Evaluation Results

4.1. Self Assessments and Audits

Upcoming assessments/ audits include:

- Financial charging Practices – 4th Quarter, 2007 (report complete, debrief complete, additional assignments forthcoming).
- PES Audit of NPD – November 5th, 2007. (Complete, implementing recommendations and corrective actions).
 - AR 255175 – A standard set of training needs has not been established for NPD personnel.
 - AR 255177 – NPD Should consider adding a vendor monitoring plan to provide a systematic approach to the overall control and monitoring of NPD vendors.
- Internal Audit completed in December 2007 achieved an effective rating. Minor observations included improved risk identification, strengthened contract language requiring more supporting invoice detail, implementing the project integrated schedule, and continued monitoring of staffing requirements.

4.2. NPD Corrective Action Program (CAP)

The following NPD NCRs were written during March 2008

- 00269105 – QA Records (NPORs) not transmitted to Records in 90 days
- 00269850 – Incorrect information in Harris COLA FSAR 1.4.2.8.2
- 00269682 – HAR ER 5.8 Tax Clarification
- 00269980 – Def. 1 Quick Hit Self Assessment 257135 (Time Approval)
- 00269988 – Def. 2 Quick Hit Self Assessment 257135 (Legal Dept Charges)
- 00269990 – Def. 1 Quick Hit Self Assessment 257135 (Fixed Distribution)
- 00270054 – Rec. 1 Quick Hit Self Assessment 257135 (Time Approval)
- 00270057 – Rec. 2 Quick Hit Self Assessment 257135 (Document Expenses)
- 00270059 – Rec. 3 Quick Hit Self Assessment 257135 (Approval of Expenses)
- 00270082 – Rec. 4 Quick Hit Self Assessment 257135 (Capitalization Docs)
- 00271179 – HAR COLA Figure 2.5.4-212B not correct
- 00272206 – Future Correction HAR COLA ER 5.8.2.8
- 00272214 – HAR COLA Reference PDF with Revision Mode of Word

4.3. NPD Benchmarking

NPD Self Assessment & Benchmark 2008 plan is complete. No assessments or benchmarks are due 1st quarter.

4.4. NPD Quality Assurance Activities

NGGM-PM-0030 formally documents existing business philosophy to use existing NGGC procedures and processes to implement Appendix B for new plant activities.

- Progress Energy audit conducted the week of 3/31/08. The audit team noted significant and continued improvement in CH2MHILL performance.

4.4.1. NRC QA Audit

- The NRC notified Progress Energy that the audit response provided to the NRC on 2/19/08 has been reviewed in detail and determined to be satisfactory. No further action in response to the NRC is required.
- The NRC also notified us that an LNP QA audit will not be conducted by the NRC prior to COLA submittal.

4.4.2. NPD Quality Assurance Plan

Quality Assurance Plan for Nuclear Plant Development and Construction Activities is included in NGG Program Manual and approved by the Chief Nuclear Officer. NGGM-PM-0030, Quality Assurance Plan for New Nuclear Plant Development and Construction Activities, Revision 0 issued and effective June 25, 2007.

4.4.3. Planned COLA Reviews

- COLA review and affirmation is being conducted in accordance with NGGS-NPD-001. Final review will incorporate any required changes from the NRC sufficiency review of other COLAs.

5. Engineering Update

5.1. PEF Land Acquisition

NPD continues to work with Progress Energy Real-estate and several other PEF organizations to finalize the rail spur route from Dunnellon to the LEVY site. One option to minimize land purchase is to utilize sections of an abandoned rail corridor owned by Progress Energy.

5.2. PEF Field Activities

Site de-watering test continue at the LEVY site. The test will be used to support LWA work in addition to other site specific work planning. The site de-watering test will be completed in early May

5.3. PEF Site Engineering

The focus of the NPD Engineering group during March has been primarily centered on supporting technical reviews of the LEVY FSAR COLA sections. The JVT has continued with the evaluation of the option for LEVY blowdown piping discharging into the Crystal river energy complex's discharge canal. Although this option appears technically sound and a preferred low cost option (compared to discharging directly into the gulf) there still needs to be a resolution with all issues associated with current CR discharge limits and permit impacts. NPD Engineering and the JVT have also been evaluating the possibility of eliminating the separate CT blowdown basin and associated pumps and utilizing the Circulating Water system to provide blowdown flow. If found to be feasible this design would eliminate a large planned capital cost associated with the separate blowdown basin.

5.4. PEC Field Activities

Currently, there are no field activities in progress at HAR.

5.5. PEC Site Engineering

There was no active HAR site engineering during March.

5.6. AP1000 Design Activities

There was a NuStart meeting hosted by Southern Company to begin the process of determining how AP-913 and the equipment reliability model (e.g., ZTEF) will be incorporated into the AP1000 design process. A preliminary list of items for inclusion in the Procurement Specification was developed and routed for comment. In addition a margin review meeting was conducted at Westinghouse where 3 representative systems were reviewed by NuStart for anticipated design and operating margins. Low margin issues were noted in each of these systems. Development of a generic outline of how the WEC designers could approach a review of margins for their respective systems was also developed and shared with WEC supervision.

NuStart received the preliminary flow diagrams for the secondary plant; one major issue that was identified during the reviews was that the Westinghouse design did not allow for individual isolation of Feedwater heaters. A DCP has been initiated to correct this condition.

NuStart and Westinghouse continue to develop the I&C/HFE functional requirements documents. One issue that needs to be addressed is the life cycle and support of the proposed ABB safety related I&C platform. There will be an Intermediate Design Review of the Reactor Trip/ESFAS conducted April 22nd and 23rd in Monroeville.

The integrated WEC,SSW and Toshiba design finalization schedule was received in March. The delivered schedule did not meet expectation of Progress Energy or the AP 1000 builders group. Westinghouse is currently working with the builders group to address issues associated with the delivered schedule. One key component missing in the schedule was the integration of utility resource requirements to support final system design and component specification reviews. These links are essential to utilities being able to ensure they are properly staffed to support these reviews.

6. Licensing Update

6.1. PEC

HAR COLA was submitted on 2/19/08. Sufficiency reviews have not identified any technical issues with the COLA to date. The NRC has identified potential areas that could impact the review schedule. These include:

- The need to conduct a traffic impact analysis to fully understand the impacts during work required to support raising the lake level.

- Aquatic sampling that needs to be conducted on the Cape Fear river near the planned intake structure location.

Actions are being initiated to address these potential COLA review schedule impacts identified by the NRC.

Completion of NRC sufficiency review and docketing of the HAR COLA is expected in mid-April, approximately 60 days after submittal.

6.2. PEF

The PEF COLA is on track for submittal by 7/30/08. The COLA must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits. In addition, we have recently been advised by the NRC that COLA submittals after 9/30/08 will result in a significant delay due to lack of NRC reviewers.

The NRC will conduct a pre-application review of the PEF Environmental Report in Raleigh on May 8 & 9. We expect 12 NRC reviewers and will have subject matter experts available to address questions.

Final page turn of the PEF COLA is scheduled to complete by 5/26/08. This will support electronic packaging starting on June 6.

Progress Energy submitted a letter to the NRC identifying the need for an LWA to support the LNP COLA on 2/26/08. The scope of the LWA is as follows:

- Installation of a permanent reinforced concrete Diaphragm Wall to facilitate excavation for the Nuclear Island,
- Consolidation grouting of substrate in-situ material below Nuclear Island foundation,
- Nuclear Island foundation surface preparation with dental concrete,
- Roller Compacted Concrete (RCC) placement under the Nuclear Island,
- Install mud mat under the Nuclear Island,
- Install waterproofing within the mud mat under the Nuclear Island,
- Install rebar in the Nuclear Island concrete foundation,
- Erection of safety related concrete placement forms,
- Install Turbine Building Foundation Piles,
- Install Annex Building Foundation Piles, and
- Install Radwaste Building Foundation Piles.

The other significant challenge is to obtain Corps of Engineers review and approval of 404 (Clean Water Act) permits that will be required to support the Levy site development. We have had meetings with the Corps and determined that early permits are not achievable. The Corps is open to processing separate permits for construction activities that demonstrate independent utility. We believe that the barge slip and associated bridge and access road meet this requirement. Plans are being made to separately submit permits for the barge slip, bridge and access road.

Site Certification Application (SCA) is scheduled for submittal in June 2008. We anticipate that pre-construction work will require permits to be issued in advance of SCA. Legislation is being introduced in Florida to allow issuance of permits in advance of the SCA. Scope and schedule for required permits is being developed and meetings with the state agencies will be setup to review permitting needs.

Resolution of the required 404 permit (Corps of Engineers) concerns and approval of the SCA and LWA within 2 years is required to achieve an in-service date for LNP by 4th quarter 2016.

7. NuStart Development LLC Update

The AP1000 R-COLA (Bellefonte) was docketed by the NRC in January. The NRC docketed the Duke Power, Lee COLA on 2/29/08. The decision was made by NuStart to accept Dominion's North Anna Station as the reference ESBWR COL, and as a result decided to delay the submittal of NuStart's ESBWR COLA for Grand Gulf to February 2008. The Entergy, Grand Gulf COLA was submitted on 2/27/08.

8. APOG LLC Update

The APOG LLC (which stands for Advanced Passive 1000 Owners Group) was officially formed in August 2007, with initial members consisting of Progress Energy, SCANA, Duke Energy, and Southern. The first kick-off meeting was held in September 2007. No recent meetings or activities have been held.

9. Public and Media Interaction

A public meeting was held with the NRC on 3/6/08 to provide an overview of the Harris COLA.



Nuclear Plant Development

Performance Report

April 2008

Progress Energy, Inc.
410 South Wilmington Street
Raleigh, North Carolina 27602



Submitted by

Supervisor Projects Controls

A handwritten signature in cursive script, appearing to read "Louis J. ...", written over a horizontal line.

Approval

General Manager NPD&LR:

A handwritten signature in cursive script, appearing to read "Greg D. ...", written over a horizontal line.

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1. Executive Summary

1.1. Safety

There are no health and safety issues to report for the month of April 2008.

1.2. Cost

REDACTED

1.3. Schedule

PEC COLA (JVT) - The project is 99.9% complete. The COLA has been docketed by the NRC. Remaining open items will be completed by end of May 2008.

PEF COLA (JVT) -The project is 92% complete. The project schedule reflects 158 of 166 activities scheduled for April 2008 that were completed on time (95%). Remaining 8 activities were completed by May 5th. The project schedule supports a July 31st COLA submittal. Critical work is to complete and issue FSAR 2.5. The project is currently 10 days behind schedule, but measures are in place to recover the delay to support Page Turn.

PEF Phase 1A Task 11 (Shaw) – The constructability reviews for FSAR 2.4, FSAR 2.5.3, ER Chapter 2, ER Chapter 4, and the Site Redress Plan were completed in April. FSAR 2.5.2, FSAR 2.5.4, FSAR Chapter 9, and LWA reviews were scheduled to be completed for the reporting period, but remain outstanding pending submittal by Progress Energy.

PEF Long Lead Equipment (Westinghouse) – Equipment purchasing activities are on schedule. PO for the Reactor Coolant Pumps was submitted on April 28th and 9 additional purchase orders are scheduled to be placed during May.

PEF SCA & LWA Submittals (Shaw) – All work activities are currently scheduled to be complete on June 30, 2008. Emphasis has been placed on supporting deliverables that support the JVT SCA schedule. Shaw did note that design completion of the documents supporting the SCA has required a much higher level than the originally estimated 30%.

PEF Site Certification Application (JVT) – The project is 68% complete. Rev. C of the SCA was submitted for Owner Acceptance Review on April 1st. Current schedule indicates all activities are currently on target to support a June 2, 2008 SCA submittal. 32 of 67 activities completed in April (with 33 activities completed early (Jan-Mar). Two activities were incomplete as of April 26th.

1.4. Key Issues

- Support PEF Need Determination Hearings in Tallahassee
- Continued progress on Levy EPC negotiations
- 60 day period for contentions on Harris COLA
- Internal Audit of PEF Total Project Cost Estimate

1.5. Look Ahead

- LNP Nuclear Need Hearings (Week of 5/19)
- ERP submittal for Barge Slip (5/27)
- SCA Submittal (6/2)
- Levy NRC Public Outreach Meeting (6/5)
- Harris NRC Public Meeting (6/10)

2. Project Performance Data and KPIs

2.1. KPI Summary

Project Cost Current Year
Project Cost Total COLA BAP
Major Milestone Achievement



PEF COLA SPI - 1.01
PEF COLA CPI - 1.08
PEC COLA SPI - 1.00
PEC COLA CPI - 1.09
Shaw PH 1A SPI - 1.00
Shaw PH 1A CPI - 1.00
Shaw Price Final SPI - 1.00
Shaw Price Final CPI- 1.00
SCA SPI - 1.00
SCA CPI - 1.26
Shaw SCA & LWA SPI- 1.48
Shaw SCA & LWA CPI- 1.11



2.2. Cost Performance

REDACTED

CONFIDENTIAL

**PAGES 7 - 8
REDACTED**

2.3. Contract Status (exceeding

REDACTED

REDACTED

2.4. Schedule Performance

REDACTED

2.4.1. PEC COLA Development

Overall COLA project is 99.9% complete. The Schedule Performance Index (SPI) for the project is 1.00. The Cost Performance Index (CPI) for the project is 1.09 and is expected to be completed at _____ under the approved _____ approved budget (excluding incentives). The project CPI consistently trended _____ under the approved project baseline budget. The COLA has been docketed by the NRC. Remaining open items will be completed by end of May 2008.

2.4.2. PEF COLA Development

Overall COLA project is 92% complete. The Schedule Performance Index (SPI) for the project is 1.01. The project schedule reflects 158 of 166 activities scheduled for April 2008 that were completed on time (95%). Remaining 8 activities were completed by May 5th. The project schedule supports a July 31st COLA submittal. Critical work is to complete and issue FSAR 2.5. The project is currently 10 days behind schedule, but measures are in place to recover the

delay to support Page Turn. Weekly schedule review meetings of critical items, action items, and upcoming activities with the JVT continue. Weekly schedule call with JVT on FSAR 2.5 also continues. The NRC has stated that sufficiency reviews for the Bellefonte COLA will take 60-120 days. The July submittal date is critical with the longer NRC acceptance review schedule. The CPI for the project is 1.08. The CPI has consistently trended under the approved project baseline budget.

2.4.3. PEF SCA Development

The project is approximately 68% complete. The SPI for the project is 1.00 and the CPI is 1.26. Rev. C of the SCA was submitted for Owner Acceptance Review on April 1st. Current schedule indicates all activities are currently on target to support a June 2, 2008 SCA submittal. 32 of 67 activities completed in April (with 33 activities completed early (Jan-Mar). Two activities were incomplete as of April 26th, but were completed in early May.

2.4.4. PEF SS&W Price Finalization

The project is complete. Open items to be resolved on Task 12 related to travel expenses.

2.4.5. Westinghouse LOI

PEF Long Lead Equipment purchasing activities are on schedule. PO for the Reactor Coolant Pumps was submitted on April 28th and 9 additional purchase orders are scheduled to be placed during May.

2.4.6. PEF Westinghouse Price Finalization

This project is complete.

2.4.7. PEF SS&W Phase 1A Conceptual Design/Planning

Overall Phase 1A project is 100% complete for the original tasks. Task 11 remains open. Constructability reviews for FSAR 2.4, FSAR 2.5.3, ER Chapter 2, ER Chapter 4, and the Site Redress Plan were completed in April. FSAR 2.5.2, FSAR 2.5.4, FSAR Chapter 9, and LWA reviews were scheduled to be completed for the reporting period, but remain outstanding pending submittal by Progress Energy.

2.4.8. PEF SS&W SCA & LWA Support

WA approved to provide engineering, geotechnical, and construction support to support the submittal of the SCA and LWA. The work commenced on February 11th under WA #2, Task 13. Realignment of work to a new WA #6 is complete. All work activities are currently scheduled to be complete on June 30, 2008. Emphasis has been placed on supporting deliverables that support the JVT SCA schedule. Shaw did note that design completion of the documents supporting the SCA has required a much higher level than the originally estimated 30%. The SPI for the project is 1.48. The CPI is 1.11, with current forecasted cost to be on budget to the authorized.

REDACTED

2.5. Scope Changes

2.5.1. Business Analysis Package (BAP) Changes

Discussions were completed with Capital Planning & Control to convert the LNP project from the Business Analysis Package Process (BAP) to the Integrated Project Plan Process (IPP). A 2nd COLA BAP revision was completed and approved to incorporate requirements of the WEC & Shaw LOI, approved COLA impact evaluations, and bridge the 2008 project requirements until Price Finalization and EPC negotiations are completed and an updated total project cost can then be incorporated into an IPP. An interim 'BAP Bridge Document' will be prepared to update 2008 cost and cash flow once EPC negotiations are complete (Bridge IPP will be routed with the EPC for approval). This will be followed promptly by a full IPP for the total projection.

2.5.2. PEC Scope Changes Authorized

Since approval of JVT WA Amendment # 5 in May 2008, NPD has approved 7 Impact Evaluations for a total of [REDACTED]. Approval of these Impact Evaluations was required to support Hybrid Cooling Economic study, Liquifaction, and to support an NRC Public Meeting. 2 Impact Evaluations were reviewed and rejected for a total of [REDACTED].

[REDACTED]

2.5.3. PEC Potential and/or Pending Scope Changes

Other potential Progress Energy Carolina scope changes include:

- Evaluate impacts of potential water withdrawal from Cape Fear River Basin and assess changes to Harris Reservoir Level during different climate conditions.

Each potential PEC scope change goes through a formal review process and dollar values are subject to be changed from the original amount submitted.

2.5.4. PEF Authorized Scope Changes

- Since approval of JVT WA Amendment # 3 in May 2008, NPD has approved 4 Impact Evaluations for a total of [REDACTED]. Impact Evaluations were required to support NRC ER site visit, follow up on Site Arrangement ER impacts, and additional scope to address solution cavities. 2 Impact Evaluations are pending to finalize RCC Test Pad Scope and finalize FSAR 2.5.4 scope reductions from CH2M. There are 2 other pending IE's for additional fieldwork cost and additional scope for FSAR 2.4 that are to be discussed by CH2M and NPD Management. One Impact Evaluation (ER Ch 7 Adjustments) was rejected for a total of [REDACTED].

[REDACTED]

- Since approval of JVT WA # 3 for the Site Certification Application in July 2007, 4 Impact Evaluations were approved for a total of **REDACTED**. The Impact Evaluations incorporated new scope related to Federal Permitting, Wetland Mitigation Plan, and Baseline Ecological Survey. Based on impact evaluations submitted and approved, the next WA amendment would increase the contract budget to **REDACTED**. WA amendment is in process.
- Westinghouse (LOI) Placement of Purchase Orders for Long Lead Equipment **REDACTED** **REDACTED**
- SSW WA #6 approved **REDACTED** for SCA & LWA submittal support
- SSW proposal submitted **REDACTED** to provide limited Phase 1 design support to preserve the 2016 COD option

2.5.5. PEF Potential and/or Pending Scope Changes

Other Progress Energy Florida potential scope changes include:

- Show additional scope and testing for wetland impact to railroad spur corridor and transmission corridor
- Show additional design scope to revise the size of storm water ponds, relocation of heavy haul bridge to avoid wetland impact, and relocation of buildings to support cost reduction effort
- Show dewatering well drilling and testing

Each potential PEF scope change goes through a formal review process and dollar values are subject to be changed from the original amount submitted.

2.6. High Risk Issues

The following risk items identified for Management attention for PEC include:

- Expectations for water requirements from the Cape Fear River.
- QA on geotechnical and drought issues

The following risk items identified for Management attention for PEF include:

- Resolution of the site boundary (EAB) as determined by the initial meteorological data.
- Suitability of the soil/rock substrata for AP1000 structures. Complexity of Karst investigations
- Evaluation & environmental impacts of the makeup and blowdown options
- Obtaining US Army Corps of Engineer and Florida state review of permits
- Develop maximum 100 year wet bulb and dry bulb temperature (100 year return period basis)
- Design of Site unique systems continue to evolve. Late changes could impact COLA submittal

2.7. Organization & Staffing

2.7.1. Permanent Positions

The following authorized positions are vacant on the organization chart / being recruited in the NPD organization:

- Sr Engineer
- Sr Engineer Licensing
- Sr Document Management Specialist

2.7.2. Contract Staff

The following functional areas are covered by contract personnel augmentation:

- Field & Construction Management.
- Emergency Planning.
- COLA Administrative Reviews.
- NPD Project Docs. Database implementation.
- Environmental permitting & licensing.
- Scheduling (part-time support via NGG Fire Protection contract staff).

2.7.3. License Renewal Staffing Transition

Transition to NES Chiefs complete.

3. Significant Project Decisions

The following significant recently made decisions regarding the Harris and Levy Deployments.

3.1. PEC

- Failure Mode Effects Analysis for the switchyard will be completed per Reg. Guide 1.206 and the NRC Standard Review Plan
- Technical Support Center will be in the nuclear island as originally designed by Westinghouse
- Will not excavate the non-active fault that extends to the Unit 2 area prior to COLA submittal
- To support the ER, will use table top evaluations that show Transmission Right of Way through the county impacted since route is not final
- Location of the Cape Fear Make-up was finalized
- FMEA for Switchyard to be performed per RG 1.206
- DCD plant elevation 100' equals NGVD elevation 261'

3.2. PEF

- COLA borings confirming the location & orientation of Units 1&2.
- Conceptual foundation design approach finalized. Compacted fill will be used for the nuclear island, piles will be used for other buildings (i.e.: Turbine, Diesel, and Annex. Buildings)
- Railroad to Dunnellon will exit towards the north east on the north side of the property

- Utilizing a combined Switchyard for both units instead of separate Switchyard.
- The freshwater source for Potable, Demineralized, and Service Water Cooling Tower systems is well water
- Blowdown discharge will be to the Crystal River discharge Canal to the gulf via the north bank of the barge canal and then along the Progress Energy transmission corridor running south from the Barge Canal
- The option where CWS Blowdown is to the Crystal River discharge canal will be described in the ER
- The Barge Canal is the option selected for the Make-up water intake.
- Linear Forced Draft Cooling Towers – economic analysis of alternates
- RCC testing options finalized
- Combined Unit 1&2 500 Kv switchyard. Line voltage from Switchyard to
- RAT is 500 Kv 230 Kv. To accommodate the 230 Kv RAT, the switchyard size will increase and the orientation will be East West
- ER and Hydrology for CR Blowdown
- RCC Testing

4. Self-Evaluation Results

4.1. Self Assessments and Audits

Upcoming assessments/ audits include:

- 00258644 – COLA Preparation and Review (Quick Hit)
- Internal Audit of Total Project Cost Estimate spreadsheet & supporting details

4.2. NPD Corrective Action Program (CAP)

The following NPD NCRs were written during April 2008

- 00274379 – Error in Harris COLA ER Chapter 6 Reference

4.3. NPD Benchmarking

NPD Self Assessment & Benchmark 2008 plan is complete. No benchmarks are scheduled for 2Q.

4.4. NPD Quality Assurance Activities

NGGM-PM-0030 formally documents existing business philosophy to use existing NGGC procedures and processes to implement Appendix B for new plant activities.

- Progress Energy audit conducted the week of 3/31/08. The audit team noted significant and continued improvement in CH2MHILL performance.

4.4.1. NRC QA Audit

- The NRC notified Progress Energy that the audit response provided to the NRC on 2/19/08 has been reviewed in detail and determined to be satisfactory. No further action in response to the NRC is required.
- The NRC also notified us that an LNP QA audit will not be conducted by the NRC prior to COLA submittal.

4.4.2. NPD Quality Assurance Plan

Quality Assurance Plan for Nuclear Plant Development and Construction Activities is included in NGG Program Manual and approved by the Chief Nuclear Officer. NGGM-PM-0030, Quality Assurance Plan for New Nuclear Plant Development and Construction Activities, Revision 0 issued and effective June 25, 2007.

4.4.3. Planned COLA Reviews

- COLA review and affirmation is being conducted in accordance with NGGS-NPD-001. Final review will incorporate any required changes from the NRC sufficiency review of other COLAs.

5. Engineering Update

5.1. PEF Land Acquisition

NPD continues to work with Progress Energy Real-estate and several other PEF organizations to finalize the rail spur route from Dunnellon to the LEVY site. Currently a parallel effort is being proposed to the LINC which would consider a rail route thru the Goethe Forest, avoiding individual land owners in addition to the route which would use about 2.5 miles of an abandoned PEF rail corridor in Dunnellon then would require the remaining 10 miles of corridor to be purchased from individual land owners. The LINC will rule on a preferred acquisition approach in their mid May meeting.

5.2. PEF Field Activities

There were no field activities at the LEVY site in April.

5.3. PEF Site Engineering

The focus of the NPD Engineering group during April has been primarily centered on supporting technical reviews of the LEVY FSAR COLA sections. Specifically NPD Engineering has been working closely with the JVT and Paul Rizzo associates on the site geotechnical sections of the COLA and the Nuclear Island foundation design. The division of responsibilities in these areas was changed in early 2008 based on schedule concerns and expertise required for the foundation design. The split in responsibilities

has brought additional coordination challenges in ensuring consistency between the interfacing COLA sections. NPD Engineering has also been evaluating the proposed LEVY site specific scope for potential cost reductions. Cost reduction items have been identified such as reducing the amount of grading being proposed for permanent roads, parking lots and general site layout. In addition several facilities are being relocated which will greatly reduce the amount of utility piping and power required to support the outlying facilities. These reductions have been discussed with SSW and they are currently re-estimating these areas and will be issuing revised site specific cost.

5.4. PEC Field Activities

Currently, there are no field activities in progress at HAR.

5.5. PEC Site Engineering

There was no active HAR site engineering during March.

5.6. AP1000 Design Activities

The Nustart Engineering team continues to provide feedback and expectations to WEC on the AP 1000 integrated schedule. The schedule currently is deficient in identifying and linking key vendor/ utility interface activities. WEC is currently revising the schedule and has set up a meeting with NUSstart in early June to present the revised product.

Design Change Proposal (DCP) 411 approved a major change to the AP1000 Reactor Head. The new approach will utilize a variant of the CE head design in place at St Lucie unit 2. This change simplifies a number of refueling manipulation and access issues associated with the reactor head and internals. Numerous additional changes will be needed in other components (e.g., CRDM supports, Incore instrumentation, and CRDM cooling fans) and structural modules (e.g., re-design of the head stand and removal of incore instrument shielding tank from the CA20 module) to support DCP-411. Although this change represents a better design its impact has not been integrated into the overall AP 1000 schedule.

NPD Engineering has started receiving Bellefonte RAI's based on the NRC's review of the Bellefonte reference COLA. NuStart member are in the review/ comment loop for these RAI's, (with a short turnaround period), since the issues and response will impact each utilities AP 1000 COLA's.

6. Licensing Update

6.1. PEC

HAR COLA was submitted on 2/19/08. HAR COLA notice of acceptance for docketing from the NRC was received on 4/18/08. Items that the NRC identified as concerns re review schedule include the following:

- a. Incomplete recirculation screen design in the referenced design (this is a generic AP1000 & industry issue),
- b. Transportation impact analysis needed to support the evaluation of construction and operational road impacts of reconstructed roads, and
- c. Environmental impacts at the proposed intake location of the water makeup source cannot be assessed due to the lack of sampling for aquatic species

Near-term NRC interactions include:

The NRC will issue the schedule for review of the Harris COLA in May, approximately 30 days after docketing. A separate Federal Register Notice (FRN) will also be issued for Notice of Hearing which will start the 60 day window for intervention.

6.2. PEF

The PEF COLA is on track for submittal by 7/30/08. The COLA must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits. In addition, we have recently been advised by the NRC that COLA submittals after 9/30/08 will result in a significant delay due to lack of NRC reviewers.

The NRC will conduct a pre-application review of the PEF Environmental Report in Raleigh on May 8 & 9. We expect 12 NRC reviewers and will have subject matter experts available to address questions.

Final page turn of the PEF COLA is scheduled to complete by 5/26/08. This will support electronic packaging starting on June 6.

Progress Energy submitted a letter to the NRC identifying the need for an LWA to support the LNP COLA on 2/26/08. The scope of the LWA is as follows:

- Installation of a permanent reinforced concrete Diaphragm Wall to facilitate excavation for the Nuclear Island,
- Consolidation grouting of substrate in-situ material below Nuclear Island foundation,
- Nuclear Island foundation surface preparation with dental concrete,
- Roller Compacted Concrete (RCC) placement under the Nuclear Island,
- Install mud mat under the Nuclear Island,
- Install waterproofing within the mud mat under the Nuclear Island,
- Install rebar in the Nuclear Island concrete foundation,
- Erection of safety related concrete placement forms,
- Install Turbine Building Foundation Piles,

- Install Annex Building Foundation Piles, and
- Install Radwaste Building Foundation Piles.

The other significant challenge is to obtain Corps of Engineers review and approval of 404 (Clean Water Act) permits that will be required to support the Levy site development. We have had meetings with the Corps and determined that early permits are not achievable. The Corps is open to processing separate permits for construction activities that demonstrate independent utility. We believe that the barge slip and associated bridge and access road meet this requirement. Plans are being made to separately submit permits for the barge slip, bridge and access road.

Site Certification Application (SCA) is scheduled for submittal in June 2008. We anticipate that pre-construction work will require permits to be issued in advance of SCA. Legislation is being introduced in Florida to allow issuance of permits in advance of the SCA. Scope and schedule for required permits is being developed and meetings with the state agencies will be setup to review permitting needs.

Resolution of the required 404 permit (Corps of Engineers) concerns and approval of the SCA and LWA within 2 years is required to achieve an in-service date for LNP by 4th quarter 2016.

7. R-COLA Milestones

Safety Review

- 8/29/08 – RAIs for all Safety Evaluation Report (SER) chapters other than Chapter 2
- 12/18/08 – Chapter 2 RAIs
- 4/24/09 – Chapter 2 SER with Open Items
- September 2009 – ACRS review of SER with Open Items (other than Chapter 2)
- January 2010 – ACRS review of Chapter 2 SER with Open Items
- 8/31/10 – Advanced SER with no Open Items
- December 2010 – ACRS review of Advanced SER with no Open Items
- 2/17/11 - Final Safety Evaluation Report (FSER) issued

Environmental Review

- 8/19/08 – Scoping Complete
- 3/6/09 – Draft Environmental Impact Statement (DEIS)
- 8/10/09 - DEIS Comment Period Ends
- 1/28/10 – Final Environmental Impact Statement (FEIS) Issued

8. AP1000 DCD Rev 16 Milestones

- 9/22/08 – Preliminary Safety Evaluation Report (PSER) and RAIs complete
- 1/8/09 - Safety Evaluation Report (SER) with Open Items for all chapters except 6, 15, & 16
- 4/27/09 – SER with Open Items for Chapters 6, 15 & 16
- 4/30/09 - ACRS Review of SER with Open Items for all Chapters except 6, 15 & 16

- 7/28/09 – ACRS Review of SER with Open Items for Chapters 6, 15 & 16
- 10/16/09 – Advanced SER with No Open Items
- 1/29/10 – ACRS Review of Advanced SER with No Open Items
- 3/5/10 – Final SER with No Open Items
- 2/21/11 - Rulemaking

9. NuStart Development LLC Update

The AP1000 R-COLA (Bellefonte) was docketed by the NRC in January. The NRC docketed the Duke Power, Lee COLA on 2/29/08. The decision was made by NuStart to accept Dominion's North Anna Station as the reference ESBWR COL, and as a result decided to delay the submittal of NuStart's ESBWR COLA for Grand Gulf to February 2008. The Entergy, Grand Gulf COLA was submitted on 2/27/08.

10. APOG LLC Update

The APOG LLC (which stands for Advanced Passive 1000 Owners Group) was officially formed in August 2007, with initial members consisting of Progress Energy, SCANA, Duke Energy, and Southern. The first kick-off meeting was held in September 2007. No recent meetings or activities have been held.

11. Public and Media Interaction

No public meetings are currently scheduled; however, we expect the following:

- 6/5/08 – NRC Public Outreach meeting for Levy COLA, Plantation Inn, Crystal River
- 6/10/08 - NRC Environmental Scoping meeting for Harris COLA, Holly Springs Cultural Center