

**REDACTED
ORIGINAL**

DOCKET 070052 -EI

In re: Petition by Progress Energy Florida, Inc. to recover costs of Crystal River Unit 3 uprate through fuel clause

**PROGRESS ENERGY FLORIDA'S SECOND
REQUEST FOR CONFIDENTIAL CLASSIFICATION
APPENDIX B**

CMP _____

COM _____

CTR _____

ECR 1

GCL 1

OPC _____

RCA _____

SCR _____

SGA _____

SEC _____

OTH 1 conf records

DOCUMENT NUMBER-DATE

04967 JUN 20 8

FPSC-COMMISSION CLERK

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FIPUG'S FIRST REQUEST TO PRODUCE
DOCUMENTS TO
PROGRESS ENERGY FLORIDA, INC. (NO. 1)
DOCKET 070052

The evaluation of BOP changes for EPU is nearing completion. Proposal for detailed conceptual design, purchase specifications, design and installation are being prepared. Thus, both the scope and costs remain preliminary. The current major scope for Phase 3 (2011) includes:

High Pressure Turbine	\$20M
Condensate Pumps and Motors	\$ 5M
Feed-water Booster Pumps and Motors	\$ 5M
Ciculating Water Pumps and Motors	\$ 5M

Progress Energy Florida
CR3 Power Uprate
Business Analysis Package

Sponsoring Business Unit:	NGG – CR3
Funding Legal Entity:	PEF
Date Prepared:	11-6-06

Key Project Contacts:

<u>Role, Department/Group</u>	<u>Name</u>	<u>Phone #</u>
Sponsor - CR3 - NGG	Danny Roderick	240-3219
Financial – CR3 - NGG	Don Taylor	240-3165
Engineering – CR3 - NGG	Ted Williams	240-3886
Project Manager-CR3-NGG	Jim Terry	240-4321

PEF DOCUMENTS RESPONSIVE TO
FIPUG'S FIRST REQUEST TO PRODUCE
DOCUMENTS TO
PROGRESS ENERGY FLORIDA, INC. (NO. 2)

DOCUMENTS IDENTIFIED WITH
BATES NOS.
PEF-CR3-0726 THROUGH PEF-CR3-0746
HAVE BEEN DESIGNATED CONFIDENTIAL
IN ACCORDANCE WITH
PEF'S SECOND REQUEST FOR CONFIDENTIAL
CLASSIFICATION

-----Original Message-----

From: White, Bart B
Sent: Thursday, November 02, 2006 1:19 PM
To: White, Bart B; Taylor, Don
Cc: Tillis, Brantley
Subject: RE: CR3 Power Uprate

Don - sorry, I omitted the mileage on the Drifton - Perry 230 kV line. It would be approximately 33 miles long. Thanks - Bart

-----Original Message-----

From: White, Bart B
Sent: Thursday, November 02, 2006 12:17 PM
To: Taylor, Don
Cc: Tillis, Brantley
Subject: RE: CR3 Power Uprate

Don - here is my best guess at present on CR3 uprate. Note that these estimates are very high-level preliminary estimates and as such should be considered non-binding.

CR3 Uprate:

Our high level estimate on transmission costs is presently estimated at \$83M. An increase of 180 MW at CR3 is likely to increase the normal and contingency loading on the existing Central Florida 500/230 kV transformers to the point that any transformer uprating or fan projects would be insufficient. In addition, the CR3 increase is likely to impact Progress Energy's import allocation of the Florida/Southern interface to the point that constructing projects at or near the interface would be necessary. Potential projects are as follows:

- o 3rd Central Florida 500/230 kV transformer - \$10M
- o Drifton - Perry 230 kV line, including Perry terminal/BKR and Drifton 230kV Term/BKR and 230/115kV XFMR addition (THOR 1480) - \$73M

Note that an uprated CR3 could (at least temporarily) be designated as the largest unit in Florida, and additional costs could be necessary to mitigate normal condition and contingency power flow issues which could arise in an Operating Reserves (ORES) scenario.

Let me know if you have questions or concerns.

Thanks,

W. Bart White, P.E.
Lead Engineer
Progress Energy
Transmission Planning
727-344-4352 (VNet 220-4352)
727-639-6873 (cell)

-----Original Message-----

From: Taylor, Don
Sent: Friday, October 27, 2006 3:46 PM
To: White, Bart B
Subject: FW: CR3 Power Uprate

Can you help with this?

-----Original Message-----

From: Petrousky, Matthew
Sent: Friday, October 27, 2006 3:36 PM
To: Taylor, Don
Subject: RE: CR3 Power Uprate

Don, I'm sorry but Brantley or his team would be the only folks in Transmission who can speak to this project. I just recently heard about it to load into the budget.

If you can't get Brantley, you can try Bart White who is the lead engineer on his team.

-----Original Message-----

From: Taylor, Don
Sent: Friday, October 27, 2006 3:30 PM
To: Petrousky, Matthew
Subject: FW: CR3 Power Uprate

Can you help with this, I have not heard from Brantley?

-----Original Message-----

From: Taylor, Don
Sent: Wednesday, October 25, 2006 5:23 PM
To: Tillis, Brantley
Subject: CR3 Power Uprate

Brantley-

I am working on the Business Analysis Package for this project. Treasury has asked for a breakdown of the \$'s for the transmission work for the \$89M. This would be to estimate how much for study, design, and implementation along with an estimated start and finish date for the phases. I know this is very high level but if you could give me your best estimate at this point I will put that into the BAP. Also need some words on what the transmission scope will generally include. After I get the draft put together with treasury approval, I will send it to you for review prior to submitting up the approval chain. -Don

\$89M/year

07 - 4,120
08 - 8,487
09 - 17,441
10 - 35,842
11 - 23,017

-----Original Message-----

From: Tillis, Brantley
Sent: Tuesday, November 07, 2006 9:03 AM
To: Brabbs, Trisha; Goff, John
Cc: Bagley, Rick; White, Bart B; Rogers, Sarah S.
Subject: FW: CR3 Power Uprate

While no formal studies have been started, the informal scope associated is a 230 kV line (Perry- Drifton) in the 115 kV ROW plus a 3rd 500/230 kV transformer at Central Florida. For Transmission, we have included (on page 4) \$ 89 Million for the BAP as a placeholder.

Having said this, does the spread of dollars look reasonable at this point (on page 6)?

Brantley

-----Original Message-----

From: Taylor, Don
Sent: Tuesday, November 07, 2006 8:26 AM
To: Tillis, Brantley; White, Bart B
Subject: CR3 Power Uprate

Brantley, Bart-

Attached is the Business Analysis Package and our PA that we will be routing for approval. Pls. review the BAP and let me know **by Thurs.** if you are OK with it, especially references to transmission info. I have been working with Mike Brennan in Treas. and he is OK with the content. I plan to route it for approval the end of this week. I have included our PA for reference as you will have to do one similar to this when you get ready to start your study phase. Thanks for you input. -Don

<<CR3 Power Uprate BAP.doc>> <<Uprate PA001.tif>>