

RPG Meeting – June 17, 2011

Agenda item #1: Antitrust Admonition by Dan Woodfin

Agenda item #2: Miscellaneous Minor Updates:

Contacts at ERCOT:

- Generator Interconnection - John Adams , Principal Resource Integration
- Generator Interconnection Project - Engineer working on that project
- GNIR @ercot.com – is a generic email address that can be used for generation interconnection questions
- RMR Studies (Seasonal Assessments) - Isabel Flores, Supervisor of System Performance
- RMR Study Exit Strategy - Jeff Billo, Manager Mid Term Planning or Gnanaprabhu (Prabhu) Gnanam, Supervisor System Development
- Planning Models and Case Development - Jay Teixeira, Manager Model Administration
- Generation Dispatch - Kevin Hanson, Supervisor Generator Experts and/or UPLAN -Jay Teixeira, Manager Model Administration
- SSR & SSI; Generation Interconnection Studies; CREZ and Severe Weather Readiness - John Adams, Principal Resource Integration. John is also working on the existing study scopes.
- Five-Year Transmission Plan and RPG Projects - Jeff Billo, Manager Mid Term Planning or Gnanaprabhu (Prabhu) Gnanam, Supervisor System Development
- Long Term Planning & Policy - Warren Lasher, Manager
- Resource Assessment - Kevin Hanson, Supervisor
- Transmission Strategy - Greg Thurnher, Supervisor
- Dynamic Studies - Jose Conto, Supervisor
- Load Forecast & Analysis (CDR) - Calvin Opheim, Manager
- CDR Policy - Dan Woodfin, Director System Planning

NPRR 381:

NPRR 381 defines an interconnecting entity. Dan, can you explain why we need this new change?

Entity that is going through the interconnection study process ...not a registered entity then the protocols do not apply to them... this new NPR registers them and then ERCOT is able to follow through with the interconnection process.

Is the main disconnect the time from when the IA is signed until connection is coming up? Seems like that is the critical time frame to ensure that is what the studies are connected to?

FIS moves them to give us the right information when they apply for the interconnection. Since ERCOT is not a party to the FIS or the SGIA, we need a different mechanism to ensure compliance.

Outages/clearance related to CREZ build out? Dan will discuss later

Whom do you contact about TPIT problems?

Jay Teixeira or Woody Rickerson. You might be able to contact your client representative.

It looks like the NPR is going to overlap with the interconnection part of the planning guide we are working on. Why don't we put it all in the planning guide, which is a binding document? It looks like we are going to have them competing with each other?

Warren Lasher – Update on Long Term Study:

The long term study will be finalizing the draft report by next week. However, the final report is not due until August.

Marguerite asked what big decisions we are going to have to make.

Primarily settle on what scenarios we want to look at, similar to what has been done in the western and eastern interconnection. Answer questions such as: what broad range of renewable energy for potential futures do we want to look at? We need to decide what we want to look at and prioritize the important issues. Our intent is to come up with as many as scenarios as can be evaluated.

Prabhu Gnanam – update on Five Year Study:

Case conditioning changes have been sent out all TSP's. Please review and see if you agree with the changes and please make any changes or corrections, the deadline is end of this month for review. At the last RPG meeting we presented a scope documents and we have incorporated some of the comments from the last RPG meeting.

Agenda item #3: Planning Working Group Update by Rob Lane:

Mid month meeting via WebEx for the NPRR/NGPRR

May 5th at the TAC Meeting we were given an assignment and we have to report back BOD by August.

Gave brief presentation and ask if this should this be seen in the planning models?

The next PLWG meeting is July 1, 2011

What is the level of accuracy on this report? I thought this was run approximately every 5 minutes. We need to understand how this report is being run? We don't allow reliability violations...how is the date being recorded? We'll find out about the report...what is in time and how it is being used.

Agenda item #4: Laredo-Valley Project Review Update by Prabhu Gnanam

Rob Lane stated that cases need to be stressed within the boundaries of what could happen.

Comment: No wind or lots of wind? We need to have consistency. Jeff stated he agreed.

Brad Schwarz asked how does UPLAN handle the phase shifter model. (Page 4 of the slide)

Dan stated that this model is not using UPLAN.

Did you go to a vendor for this information? Where can we go to get this information?

Prabhu stated that the PST data is based on a PST modeled in the WECC system

The 2016 Study Results For N-1 + G-1 on page 5;

Option 1 is AEP basic option

Option 2 is putting in a phase shifter

Option 3 – is a direct line and the performance is similar to 2

Option 4 – didn't quite meet the thermal but it performed well

Option 5 – similar to 4

Brad Schwarz asked if the margin should be similar throughout all options.

Mike Juricek? Has anyone looked at an SVC or double circuiting or sensitivity?

Yes, we have looked at some sensitivity for SVC and double circuits. (Prabhu)

Agenda item #5: Valley Project Alternative by Bill Bojorquez of Sharyland Utilities and S. Sahni

The presentation will be posted as a key doc on the ERCOT.com RPG calendar

Brad Schwarz asked are there any underwater cables in ERCOT? Bill said no.

Dan: There is a distinction between what goes into the cases and what the planning criteria is for it and those are not necessarily the same thing.

- Reliability/UPLAN analysis vs. economic projects --production cost impact
- Either the Pawnee line or the underwater line.
- Lowest cost solution is the Barney-Davis
- Summarize proposal:
- Cap on 150 MW from the south
- Dc line from Pawnee to Brownsville
- Underwater cable from corpus Christie to Brownsville
- The quickest way is the railroad

Question from Jeff Billo: Do you a build 2-500 or 1-1,000 MW?

Don Monday from Black & Vetch answered: 1-1,000 MW was estimated. If you build 2-500 then the cost could be more when you start building the second line.

Agenda item #6: Load Forecasting by Calvin Opheim

This presentation was requested by Mike Juricek.