



CATS HV Study Group

Tuesday January 06, 2009

Meeting Notes

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CATS HV

1. Introductions and Meeting Purpose

The meeting was called to order by Chairperson Joseph Herrera. A list of those in attendance is attached. Those in attendance accepted the proposed agenda.

2. Approval of December 01, 2008 Meeting Notes

One of the changes to the meeting notes was a change in the date that comments were due to Pinal County regarding the Comprehensive Plan amendment for the newest railroad project in the Picacho area. The comment was made that a part of the plan was to remove all language involving corridors. Mark Etherton of PDS stated that this was a necessary section and that it should not be removed. All transmission entities agreed that corridor information is important and that it needs to be included in the county's plan.

A discussion ensued about the future project of working with Pinal County on a joint GIS system that would allow transmission planning information to be easily shared with the county.

Joseph Herrera mentioned that he has been contacted by the City of Casa Grande and they would like to get a transmission planning section from the CATS HV group and include all pertinent information in their general plan. Joseph went on to say that the CATS HV group was not ready to provide that type of information at this time but that they would get back to the city when it was available.

Robert Kondizolka, of SRP, gave the status of a website that will be available in the first quarter of this year that will allow viewing of planned infrastructure in specific areas of Arizona. The Arizona Corridor website will show all lines with CEC's on a map that is similar to Google Earth. Each individual utility can add any of their planned facilities to the website as well as a link to the utilities website to get further information. The website will be managed by SRP and each other utility that elects to put their information on the site will pay a nominal fee. The website was created to help the utilities better comply with House Bill 2080. The website may be beneficial in working with Pinal County because it will make all of the information much more accessible. It was discussed that some type of workshop would need to be held with the Pinal municipalities and County planning departments to explain how the website works and why it will be beneficial for them to use it but that once that step was taken it would be a great tool for everyone involved. Joseph Herrera said that he would facilitate communications between CATS HV and Pinal County entities and once the website was up and running he would work on setting up an Arizona Corridor website workshop. It was concluded that this would be formalized with the 2009 Study Plan for the CATS HV group.

December 1, 2008 meeting notes were approved.



3. Review and Approval of 2008 Draft Report Findings (Pending)

3.1 Overview

Mark Etherton informed the group that the original plan was to have a draft of the report out and approved before the SWAT meeting in Las Vegas on January 12 & 13 of this year. He asked the group for any high level comments that they may have and whether or not they think that the report shows that the study group met their objectives. There were only a couple of major tasks. The first one being the 2018 WestConnect Ten-Year Plans task and including ED2, ED3, and APS Casa Grande detailed 69kV models into the report, as well as an assessment of the 69kV and larger lines in the CATS HV area. The second task was doing generation resource injection analysis. The original object for this task was to include eight locations of major generation and do an N-0 and an N-1 analysis. The final product however, was an N-0 and N-1 analysis of six locations of major generation. This was because two of the site is already in progress, specifically Randolph and Pinal Central.

3.2 Report Analysis

Joseph Herrera said that he believed that the report met all of the objectives that the CATS HV study group had laid out. Jeff Loehr stated from what he had reviewed it looked as though the report reflected the objectives.

3.3 Comments

Jason Spitzkoff said that on page 14 the report referred to Southbrook Ranch when in fact it should be Saddle Brook Ranch instead. He said that this is repeated a few times throughout the report as well. Also, on page 7 Merrill and SE5 loads are radial and that is why the voltage is so bad. He feels that the last line needs to be changed to reflect that. Finally, the 88 per unit needs to be changed to .88 per unit.

Robert stated that he believes that on page 3 for Randolph and Pinal Central the quantities and types of generation need to be included. Mark said that he could include some type of table that would show that information. On page 2 the last bullet point Robert asked whether or not a summary had been included to address this information. Mark responded that no summary had been included but that there was an individual write up about each one. Robert said that from 2007 to 2008 it went from importing to internal generation and that it should be shown that there is a difference. SPPR coming in also made an impact and that should also be reflected. Mark said that this could all be included on page 8.

Joseph Herrera suggested that the first sentence on page 9 be reworded.

LeeAnn Torrelson asked if on page ii, the executive summary, the "NO" overloads should be N-0 overloads. She also said that she thought that the San Manuel bullet point needed to be reworded. LeeAnn also asked what marginal overload was on the Sundance bullet point. She suggested that maybe a different word be selected. On the table on pg.4 she suggested that Mark add MW to all columns so that readers know. She also pointed out that on the second bullet point on page 8 there is a discussion about voltage deviation, but that was not done in this case. Mark said that he will add information on to that stating that N-2 was not included. LeeAnn also asked what incremental overloading was for Desert Basin on page 10. She also suggested that the new transmission should be included. This would mean including the SPPR 3 terminal, the new 230, the upgraded 115 and all overloads south of Saguaro.

It was discussed that this report could be redone in a later year, maybe 2010, to look at the changes from now to then. Including the amount of generation that is being requested. Mark stated that there are several different areas that could be looked at with much more detail and that could be done in another year.

It was suggested that MVA should be added to the rating column.

It was decided that when the report status is given at the SWAT meeting in Las Vegas it can include that the report has been accepted with a few minor changes.

4. Study Plan

Task 2:

Joseph Herrera pointed out that the only significant change is task 2. The issues for 2009 are an assessment of proposed facilities as well as coordination of transmission plans with Pinal County. At the December 1, 2008 CATS-HV meeting Dennis from Pinal County suggested this process be included. Mark mentioned that it should not be too much effort if the group receives support from Pinal municipalities and County. Joseph asked if task 2 would be eliminated if the County did not support the group. It was decided that the task would not be eliminated. It is something that needs to be part of the study plan. Robert mentioned that the Arizona Corridor website will do a lot to make this task work obtainable. It will use Google Earth technology for the mapping to show future planned corridors but not including existing transmission facilities. Robert also suggested that it might be possible for the CATS HV study group to assist Pinal County in setting up a similar website that would show existing transmission facilities and all future road widening, renewable parks etc. It may be possible to select mapping layers and only include those on the resulting map.

Task 1:

Building the CATS-HV 2019 case could possibly have each stakeholder send an epcl dot "P" file instead of doing a round robin and the case could be updated from that. It was brought up that if this is the method the group decides on it would work better for meeting timelines. Gary Romero said that this is the same approach that WestConnect is using.

The speed of PCC case availability was discussed. Robert said that the NTSS is looking at making some changes to the way the cases are handled to allow for more speed and flexibility. However, these changes will more than likely be a couple of years out.

Bullet Point 2: needs to be changed to say that it will be a Power Flow Assessment.

Task 1 was approved.

During the CATS EHV meeting there was a discussion that Jason and LeeAnn had been working with the 2018 CATS HV case and that it is current. It was decided that this case would be used by both CATS EHV and CATS HV to build their 2019 base case. Joseph Herrera stated that the CATS HV group would coordinate the building of the 2019 base case for both CATS-EHV and CATS-HV groups.

Task 3:

It was discussed the CATS-HV 2009 study plan schedule should be achievable since the case building process will be stream lined and not having to wait for a WECC case. Have the draft report for the August SWAT meeting, and the preliminary information at the Albuquerque meeting.

It would be nice to get the 2019 base case completed by the 2009 1st quarter. The start date to compile dot "P" files would be February 1.

5. Future Planning

The next meeting will be held March 03, 2009 at the ED3 District Office.