Southwest Power Pool
GENERATION WORKING GROUP MEETING
February 21, 2014
1:00 – 3:00 P.M.
Teleconference Conference/WebEx

- M I N U T E S -

Agenda Item 1 – Administrative Items

GWG Chair Mitch Williams called the meeting to order shortly after 1:00 P.M. The following people were in attendance:

GWG Members
Mitch Williams – Western Farmers Electric Cooperative
Mike Sheriff – Oklahoma Gas & Electric
Jim Fehr - Nebraska Public Power District
Amber Metzker – XCEL Energy
Bryan Taggart – WESTAR Energy, Inc.

Other Stakeholders and Staff
Terry Gates – American Electric Power
Mike Grimes – EDP Renewables North American
Kenneth Hale - City Utilities of Springfield
Michael Jacobs – Consolidated Asset Management Services
Ron Losh – Southwest Power Administration
Dong Quach – Kansas City Board of Public Utilities
Bruce Walter – East Texas Electric Cooperatives
John Iverson – Omaha Public Power District
John Boshears – City Utilities of Springfield
Scott Jordan – SPP Staff

a. Mitch Williams called the meeting to order shortly after 9:00 AM.

b. There were no proxies for this GWG Meeting.

c. The Standards of Conduct to be followed during meeting were reviewed.

d. Bryan Taggart made a motion to accept the Minutes from the January 24, 2014 Conference Call and Amber Metzker seconded the motion. The GWG voted to approve of the Minutes from the January 24, 2014 Conference Calls.

e. The GWG discussed and accepted the Agenda for this Conference Call on February 21, 2014.
Agenda Item 2 – Review of Past Action Items

a. GWG input regarding the SPP 2010 Strategic Plan. SPP Staff will formulate the GWG response and e-mail it to the GWG Members for their review. - Complete

b. Scott will send out the latest version of the Protocol Document to the GWG Members for their review.
   i. SPP Staff to edit Criteria/Protocol data to reflect top 3% Load interval monthly, 60% Confidence level for Wind and Solar - Complete

c. SPP Staff to respond to the SPP Customer on how to handle curtailments when trying to figure wind accreditation. - Ongoing
   i. Use curtailed output when applying it to the SPP Criteria/Protocol due to system constraints. Status of Upgrades once upgrades are completed number can be adjusted with GWG discussion.

d. GWG Members will review the most recent Protocol Document within their respective companies and send out their comments to the group in advance of the next meeting to hopefully facilitate the discussion this topic. - Complete

e. Scott will confer with SPP Management regarding the process for the Protocol Documents to replace the SPP Criteria. - Ongoing

f. GWG Secretary will request someone to attend next GWG Meeting to talk about NERC Standards. (Jonathan Hayes and Robert Rhodes). – Shannon Mickens Ongoing

Agenda Item 3 – SPP Strategic Plan Update

SPP Staff posted the proposed GWG response to Michael Desselle’s, SPP Vice President of Process Integrity, presentation concerning the SPP 2010 Strategic Plan. Mitch Williams asked if anyone had any changes or edits to the proposed GWG response. Jim Fehr made a motion to accept the response as posted to the GWG Meeting Materials regarding the Strategic Plan and Bryan Taggart seconded the motion. The GWG voted to approve the response as posted to the GWG Meeting Materials regarding the Strategic Plan. SPP Staff will forward the GWG response regarding the Strategic Plan onto Michael Desselle for his use.

Action Item: SPP Staff will forward the GWG response regarding the Strategic Plan onto Michael Desselle for his use.

Agenda Item 4 – Renewable Resource Accreditation

SPP Staff reported to the GWG that there were a few issues to work through before the GWG Protocol Document could be executed. The situation is the fact that nothing in the tariff points to the GWG Protocol document causing the SPP Members to have comply with them. SPP Staff will be working with SPP Regulatory Department to develop a plan for the GWG and other Protocol documents that come from the migrating from the SPP Criteria Document. Any substantive changes will be handled as SPP Criteria changes until the Protocol implementation is fully vetted with SPP Staff and the Working Groups. Therefore, SPP Staff has made the Criteria changes to a word document of the SPP Criteria Section 12.1.5.3.g for the GWG approval to move forward with the renewable accreditation changes passed at the last GWG Meeting in January. Mitch Williams asked for a motion and a second. Bryan Taggart made the motion to accept the SPP Criteria language changes to Section 12.1.5.3.g and Amber Metzker seconded the motion. The
GWG voted unanimously to approve the SPP Criteria language changes to Section 12.1.5.3.g.

**Action Item:** SPP Staff will submit the SPP Criteria changes for Section 12.1.5.3g to the MOPC for approval at their April 2014 Meeting.

**Agenda Item 5 – GWG Criteria Migration to Protocol Document**

The GWG continued its’ review of the “SPP Protocols – SPP Electrical Facility Ratings for Generators” that were presented at the last GWG meeting. The GWG reviewed feedback from a GWG Member and from a GWG Stakeholder. The feedback produced good discussion, but the GWG agreed to stick with the original document verbiage. One concern that was brought up during the discussion that was of note was the fact that the NERC MOD-025-02 was still in the process of being approved at the FERC. The Group felt that since it had passed the NERC Board of Trustees, it would be reasonable to move forward expecting little or no changes with the current standard form FERC. The GWG began discussing proceeding forward with approving the GWG Protocol Document. SPP Staff stated that there were a few issues that needed to be worked through before formally adopting the Protocol Document. SPP Staff will be working with SPP Regulatory Department to develop a plan for the GWG and other Protocol documents that come from the migrating from the SPP Criteria Document and report any updates back to the GWG. This lead to the GWG tabling the Protocol Document, and moving to Agenda Item #4 regarding Renewable Resource Accreditation.

**Action Item:** SPP Staff will be working with SPP Regulatory Department to develop a plan for the GWG and other Protocol documents that come from the migrating from the SPP Criteria Document and report any updates back to the GWG.

**Agenda Item 6 – Resource Availability During Peak Time Periods**

After the January GWG Meeting, Jim Fehr submitted a detailed document to the GWG Members to review laying out an ongoing study outline to support the GWG Criteria for generation capability methodology. This document sparked a lot of discussion and the GWG Members that that the activity could be looked at as a GWG Report that would be made to the MOPC and other SPP Working Groups. Below is an abbreviated list of the topics that came from that discussion:

- GWG Reports on a quarterly or annual basis
  - Summer and Winter Seasons
- Look at the Top 3% hours (22 hours)
- Report Capacity by Fuel Type
- Generator Forced Outages
- Use to review Capability Reporting and for assisting LOLE Studies
- Do the Super Peak hours equate the top 3% load hours? What does the Load Duration Curve look like in regards to the peak hours?
- Will need historical data from IM Monitoring
- Report to MOPC and other Working Groups

The GWG Members felt that this was a good idea to start exploring and asked SPP Staff research the amount of time it would take to produce the GWG Report outlined...
above bullet points and report in the March Meeting. The obvious SPP Departments that would be involved with the report would be Operations, Engineering, Market Monitoring as a start. More SPP Departments might be identified during the SPP Staff’s research.

**Action Item**: SPP Staff research the amount of time it would take to produce the GWG Report outlined above bullet points and report in the March Meeting. (Operations, Engineering, Market Monitoring)

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**Agenda Item 7 – GWG Charter Review**

During the last GWG Meeting on January 24th, Mitch Williams asked the group to be thinking about any changes that they felt needed to be made to the GWG Charter. Mitch Williams informed the group that he and staff had been trying to fill two vacancies on the GWG, and that he felt that he had 3 viable candidates. Due to that fact, he was requesting that we change the number upper number of GWG Members from 8 to 9 making room for all three candidates. Bryan Taggart made the suggestion of just making it 10 leaving room for an additional future Member. Jim Fehr agreed with making the upper number of GWG Members to 10 with the addition of the Integrated System (WAPA (upper Great Plains), Basin Electric Power Cooperative, and Heartland Consumer Power District) that this would provide them with a chance to nominate someone to serve as a GWG Member. The GWG asked SPP Staff to move forward with the edits to the Charter. SPP Staff will submit the new GWG Charter to the MOPC for approval.

**Action Item**: SPP Staff will submit the new GWG Charter to the MOPC for approval at their April 2014 Meeting.

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**Agenda Item 8 – Closing Administrative Items**

a) **Action Items**:

i. SPP Staff to respond to the SPP Customer on how to handle curtailments when trying to figure wind accreditation.
   a. Use curtailed output when applying it to the SPP Criteria/Protocol due to system constraints. Status of Upgrades once upgrades are completed number can be adjusted with GWG discussion.
ii. GWG Secretary will request someone to attend next GWG Meeting to talk about NERC Standards. (Jonathan Hayes and Robert Rhodes).
iii. SPP Staff will forward the GWG response regarding the Strategic Plan onto Michael Desselle for his use.
iv. SPP Staff will submit the SPP Criteria changes for Section 12.1.5.3g to the MOPC for approval at their April 2014 Meeting.
v. SPP Staff will be working with SPP Regulatory Department to develop a plan for the GWG and other Protocol documents that come from the migrating from the SPP Criteria Document and report any updates back to the GWG.
vi. SPP Staff research the amount of time it would take to produce the GWG Report outlined above bullet points and report in the March Meeting. (Operations, Engineering, Market Monitoring)

vii. SPP Staff will submit the new GWG Charter to the MOPC for approval at their April 2014 Meeting.

viii. SPP Staff will consult with the SPP Staff responsible for the NERC LTRA and ask why there was an increase in the LTRA Reserve Margin from the 2012 to 2013 LTRA Report.

b) The next GWG Teleconference are scheduled for:
   1. Friday, March 28, 2014, from 9:00 – 11:00 A.M.
   2. Friday, April 25, 2014 from 9:00 – 11:00 A.M.

c) Future Items for discussion.
   i. Solar Flares – New NERC Standards
   ii. Unit Winterization
      a. GETF working on verbiage for weather events

d) The meeting was adjourned at 2:50 P.M...

Respectfully Submitted,

Scott Jordan
GWG Secretary