

SPP- AECl JOA Meeting

November 17th, 2015

• M i n u t e s •

8:00 a.m. – 12:00 p.m. CDT

SPP Attendees: Bruce Rew, David Kelley, Adam Bell, Sam Ellis.

AECl Attendees: Roger Clark, Jeff Johns, Jeff Harrison, Chris McGeeney, Kevin Hopper, James Vermillion.

1) Introductions and Overview

AECl opened the meeting by thanking SPP staff for traveling to AECl's offices in Springfield, MO. All attendees introduced themselves and reviewed the agenda. No additional changes to the agenda were made.

2) Review Past Action Items

SPP and AECl staff reviewed the action items from the previous meeting. Most past action items were completed prior to the meeting. SPP was going to check on the status of delivering AECl's daily reserve sharing obligation to AECl via ICCP in addition to email. AECl and SPP discussed the causes of the Brookline transformer loading.

3) Operational Topics

a) ACE Diversity Interchange (ADI) Update

AECl noted that they had shutoff ADI from mid-May to August 1st. AECl is working to implement a 10 MW dead band around zero to reduce the latency impact of the SPP ADI signal. SPP suggested the possible use of a frequency initiated dead band.

b) TLR review

SPP and AECI reviewed a number of significant TLR's that fell along the SPP-AECI seam since the last JOA meeting. Much of the conversation was focused around the Brookline area. Both parties agreed that a review of significant SPP-AECI TLRs will be a standing agenda item at future JOA meetings.

c) Wind

AECI and SPP discussed the continued increase of wind penetration. A new peak of 9,000 MW of wind was set in SPP and during certain hours, 38% of SPP load was being served via wind resources.

d) Integrated Marketplace Update

- **Phase II Implementation and M2M Update**

SPP provided an update on the current status of the IM. SPP is focusing resources on enhanced combined cycle logic and on the gas/electric coordination initiative.

e) AECI CMP Participation

AECI updated SPP on its status with the CMP. AECI will be entering the CMP in Q1 of 2016 working with TVA.

f) State Estimator

AECI discussed the implementation of its state estimator with an anticipated in service date in Q2 2016.

g) Pseudo Tie Registration

SPP and AECI discussed the NAESB initiative to register all pseudo ties by 12/31/2015.

ACTION: SPP will review its criteria for a tie to be considered a pseudo tie and provide this to AECI.

4) Planning Topics

a) SPP ITP Update

SPP provided an update on their regional transmission planning processes. SPP focused on the ITP Near-Term, which is a short term planning study completed every year for reliability purposes, and the ITP 10, which is a ten year assessment that considers both economics and reliability. In the ITPNT, SPP noted there was an increase in the number of needs identified this year when compared to previous studies. This is in part due to the integration of the Integrated System into SPP. In the ITP 10, SPP discussed three futures that were being developed: CPP Future under Regional Compliance, CPP future by state and business as usual. SPP anticipated identifying needs by April of 2016 with study conclusion in January 2017.

- **SPP TPITF**

SPP made AECl aware of the efforts of SPP staff and stakeholders to improve the SPP transmission planning processes. The goal of the initiative is to make the ITP process bigger, better, and quicker. SPP noted this could include the elimination or restructuring of the ITP 20 study.

b) Capacity Margin Task Force

SPP provided an update on the efforts of the CMTF. SPP noted that the group is working on a study to review the SPP reserve requirement and capacity margin. SPP said it expected results from the study and any potential change to the capacity margin to be available in mid-2016.

c) Mid-Missouri 345 kV Update

AECl advised SPP that AECl is beginning route selection on a 345 kV in central Missouri and that discussion with Ameren had occurred. SPP noted an interest in

collaborating with AECl and Ameren on the development of transmission expansion in the area.

5) Schedule Next Meeting

The next SPP-AECl JOA meeting is tentatively scheduled for May 19th, 2016 at SPP's offices in Little Rock, AR.