

**Southwest Power Pool, Inc.**

**VOLTAGE TASK FORCE**

**Net Conference**

**Tuesday August 30, 2016 8:30 a.m. - 12:00 p.m.**

**• Action Items and Voting Record •**

**Action Item 1: Determine if the OKGE phase shifting transformer is in the 2017 and/or 2021 model.**

**Action Item 2: Determine if SPP has observed the Flint Creek high voltage issues.**

**Consent Agenda**

**Neal Faltys (Omaha Public Power District) moved to approve the Consent Agenda, and Mark Ahlstrom (NextEra Energy Resources, WindLogics) seconded the motion. The motion was approved without opposition or abstention.**

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**• M I N U T E S •**

**Administrative Items / Attendance / Agenda Review**

Chairman Mark Eastwood (City Utilities of Springfield, Mo) called the VTF to order at 8:34 AM on 8/30/2016

Jason Tanner (Southwest Power Pool) called attendance.

Mark Eastwood reviewed the agenda; Kevin Ma (Oklahoma Gas and Electric) requested that the VTF discuss the VIS presentation for ORWG.

**Consent Agenda**

**Neal Faltys (Omaha Public Power District) moved to approve the Consent Agenda, and Mark Ahlstrom (NextEra Energy Resources, WindLogics) seconded the motion. The motion was approved without opposition or abstention.**

**Approval Items and Staff Reports for Discussion**

**Agenda Item 5 – Flint Creek Voltage**

Sakshi Mishra (American Electric Power) discussed observations at Flint Creek, and stated when the 345kV is in service high voltage is observed. Sakshi stated that the line is an older line with no line reactors to help support voltage rise at Flint Creek, and asked if the scenario was observed by SPP in either real-time or planning. Casey Cathey (Southwest Power Pool) stated he will validate, but believes SPP has observed the high voltage conditions in real time, but due to the unique scenario it likely will not show up in planning models. Casey stated that members can sponsor a project to mitigate these types of issues, but will require going through the planning process. Casey stated that TPITF was formed to study chronic flowgate issues experienced in operations that are not observed in planning models such as the ITP process, and this scenario may fit within the criteria being developed from the TPITF whitepaper recommendations.

**Agenda Item 6 – Voltage Stability with OP-3**

Jason Tanner (Southwest Power Pool) discussed the proposed Voltage Stability revision request and stated that the RR would provide requirements for how the reliability coordinator would monitor and control for stability. Jason discussed the timeline for the revision request, which will target the January MOPC. Jason requested that the VTF make additional modifications to the document in preparation for the ORWG on 8/31/16. Kevin Ma (Oklahoma Gas and Electric) asked is the specific margins mentioned within the document already determined or still under discussion. Jason stated that the margins were values that used within CALISOs criteria, and the SPP VIS study would help SPP better understated the correct holdback margins for SPP. Kevin Harrison (ITC Holdings Corp.) recommended removing bullet #7, and to make the terminology consistent throughout the document. The group discussed how the hold back margin would be evaluated in day ahead through RUC, and if margins change per studies the markets should have awareness.

**Agenda Item 7 – VIS Update**

Jason Tanner (Southwest Power Pool) reviewed Fredrick Howells (Powertech Labs) VIS power point presentation for ORWG with the VTF. Jason stated that PLI is performing a system impact, and load pocket study that will assess high penetration of renewables with reduced thermal output. Jason stated that PLI will assess two cases in 2017 and two in 2021, both under light load conditions. Jason stated that PLI has already discovered critical generation and transmission outages for the load pocket, and has discovered system stability limit contingencies. Casey Cathey (Southwest Power Pool) stated that pricing for renewables is sensitive to locations where lines are heavily or lightly loaded, and signals are there for developers to assess existing system issues. Casey questioned if these areas will continue to develop when no new transmission improvements are planned.

**Agenda Item 10 – Meeting Schedule**

- a. 9/28/2016, Net Conference, 0830-1200
- b. 10/26/2016, Net Conference, 0830-1200

**Agenda Item 11 – Adjourn**

Chairman Mark Eastwood (City Utilities of Springfield, Mo) adjourned the VTF at 10:47 AM on 8/30/2016.

Respectfully Submitted,

Jason Tanner  
Secretary



**Voltage Task Force**  
**Meeting Attendance: 8/30/2016**  
**M=Member, G=Guest, S=SPP Staff, P= Proxy**



Day 1	Name	Status	Company
x	1 Chariman Mark Eastwood	M	City Utilities of Springfield
A	2 Jim Useldinger	M	South Central MCN
x	3 Kevin Harrison	M	ITC Holdings Corp.
x	4 Sakshi Mishra	M	AEP Service Corporation
x	5 Mark Ahlstrom	M	NextEra Energy Resources, WindLogics
x	6 Feng (Kevin) Ma	M	Oklahoma Gas and Electric
A	7 Rouslan Tzartzev	M	EDP Renewables
x	8 Clinton Bruhn	M	Lincoln Electric System
x	9 Kyle Drees	M	Westar Energy
x	10 Dustin Betz	M	Nebraska Public Power District
x	11 Neal Faltys	M	Omaha Public Power District
x	12 Mike Grimes	G	EDP Renewables
x	13 Jerry Bradshaw	G	City Utilities of Springfield
x	14 Robert Hirschak	G	Cleco
x	15 John Allen	G	City Utilities of Springfield
x	16 Kyle McMenamin	G	Xcel Energy
x	17 Gilbert Chiang	G	Bigwood Systems
x	18 Clifford Franklin	G	Westar Energy
x	19 Kevin Sanson	S	Southwest Power Pool
x	20 Will Tootle	S	Southwest Power Pool
x	21 Jason Tanner	S	Southwest Power Pool
x	22 Casey Cathey	S	Southwest Power Pool
x	23 Harvey Scribner	S	Southwest Power Pool
x	24 Temper Williams	S	Southwest Power Pool
x	25 Kim Gorter	S	Southwest Power Pool