

**Southwest Power Pool, Inc.**  
**SPP Holistic Integrated Tariff Team Meeting**  
**Dallas, TX**  
**June 8, 2018**

**• M E E T I N G M I N U T E S •**

**1. Call to Order and Administrative Items**

The meeting was called to order at 9:02 AM.

The minutes were approved with a couple of corrections to the attendance list from the May 2018 meeting. (Mike Risan (BEPC) motion/Al Tamimi (SEPC) second; approved unanimously)

**2. Welcome & Introductions**

A quorum of the group membership was established; Mo Awad had proxy for Denise Buffington (KCPL) and Bob Tallman had proxy for Greg McAuley (OGE). See attached attendance list.

**3. Review of HITT Prioritizations/Topics/Approaching the Elephant**

Paul Suskie (SPP) led the group in a discussion of the amended problem statements developed in the May meeting and HITT Goals developed after the meeting. Those updated statements and goals are attached.

Stakeholders were asked prior to the meeting if they had interest in presenting their positions and concerns related to the problem statements at future HITT meetings. The current list of volunteers are:

- a. Brett Hooton (Gridliance) – 1A, 1B
- b. Al Tamini (Sunflower) – 1B
- c. Tim Hall (Southern Power) – 2
- d. Tom Kent (NPPD) – 1A, 1B (need to confirm)
- e. Steve Gaw (Wind Coalition) – need to confirm topics
- f. Mark Ahlstrom (NextEra) – (NERC Essential Reliability Services) 2

**4. Presentations on Transmission Planning and Tariff Services**

**a. SPP's Transmission Planning and Tariff Services Processes**

Antoine Lucas (SPP) provided the group with an overview of each of the SPP Planning and Tariff Services processes.

**b. Customer Perspective "Day in the Life of an Interconnection Customer"**

Holly Carias and Peter Wybierala (Next Era) walked through the generation interconnection process from the customer perspective. This discussion included the work done by the generator owner prior to the application for the GI queue, the GI request process, what happens while in the queue and execution of the GIA agreement. An in-depth comparison between the MISO and SPP interconnection processes was also covered.

**c. GIITF Presentation (Overview of GIITF efforts/initiatives)(RFI 26)**

Tamimi, who serves as the chair of the Generation Interconnection Improvement Task Force (GIITF), provided the team with an update on the efforts and initiatives that the task

force is currently undertaking including the proposed three-stage process that has been approved by the stakeholders and will be filed at FERC later in the year. Tamimi concluded his presentation with a discussion on the ERIS/NRIS interconnection types.

**5. HITT Requests for Information**

- a. Wind Data (RFI 18 & 21)

This topic was pushed to the next meeting due to time constraints.

- b. Market/Operational Data (RFI 14, 15, 17 & 24)

This topic was pushed to the next meeting due to time constraints.

- c. FERC Orders 841, 844 & 845 (RFI 19)

This topic was pushed to the next meeting due to time constraints.

- d. ERIS/NRIS Staff Education (RFI 2)

Antoine Lucas presented a staff perspective of the ERIS/NRIS issue that included some historical perspective of the evolution of the SPP Planning process, stakeholder concerns, and how the different interconnection types are studied in the SPP GI process.

**6. Next Educational Topics**

- a. Wind Data (RFI 18 & 21)

- b. Market/Operational Data (RFI 14, 15, 17 & 24)

- c. FERC Orders 841, 844 & 845 (RFI 19)

**7. Review / Update of the RFI list and parking lot items**

The following items were added to the list at the June HITT meeting:

June 8 <sup>th</sup> RFIs				
37	<b>Glossary of Terms</b>	Provide a Glossary of Terms as the HITT proceeds that defines terms used by the HITT during the development of their report and recommendations to the SPP Board	SPP Staff	<b>Ongoing</b>
38	<b>Safe Harbor limit applicability to Solar</b>	SPP has a Safe Harbor limit for Wind (20% Wind rule). Provide information on expanding to Solar.	CAWG	
38	<b>Battery Technology</b>	Provide a briefing on Battery storage technology and what type of facility this technology can provide service. Generator, load, or transmission?		
39	<b>GI Studies correlate with ITP</b>	Provide a briefing on how SPP's GI and ITP processes correlate and synchronize.	Antoine Lucas	
40	<b>ERIS &amp; Impacts on Local Zone</b>	GIITF is looking at improvements. Continue to be briefed on GIITFs work	Al Tamimi & SPP Staff	

		on ERIS impacts on needed upgrades ERIS do not fund.		
41	<b>Costs paid by interconnection customers</b>	Review of all costs paid by Interconnecting customers by host TOs. Ex: Ongoing O&M costs related to network upgrades constructed but for the interconnecting customer	SPP Staff Charles Locke	
42	<b>Curtailement of ERIS Resources</b>	Provide a briefing on the curtailment of ERIS resources via the Integrated Marketplace. Also differences in curtailment, dispatchable, non-dispatchable.	SPP Staff – Operations	
43	<b>NRIS Resources Meaningfulness</b>	Presentation on what value is given to NRIS resources? What does FERC require? How to make NRIS valuable or just drop NRIS?	SPP Staff	
44	<b>NRIS &amp; ERIS Definitions</b>	Presentation on definitions of ERIS and NRIS and its meaning and application. Order 845	SPP Staff	

**8. Other Items**

Kent requested feedback from the HITT members on whether the educational topics and process thus far have been valuable and on target, or are there changes that need to be made?

**9. Next Meetings**

**2018 HITT Team Meetings**

- July 9, 2018 - Dallas, TX
- July 31, 2018 - Omaha, NE
- August 1, 2018 - Omaha, NE
- August 21, 2018 - Dallas, TX
- August 22, 2018 - Dallas, TX
- September 5, 2018 - Dallas, TX
- November 6, 2018 - Dallas, TX
- December 5, 2018 - TBD

**10. Adjournment**

The meeting was adjourned at 2:51 pm.



**HITT Team Members Participating**

Tom Kent, Chair (NPPD) – On the Phone  
Rob Janssen (Dogwood Energy) – On the Phone  
Shari Albrecht (KCC)  
Dennis Grennan (NPRB) – On the Phone  
Graham Edwards (SPP Director) – On the Phone  
Mo Awad (proxy for Denise Buffington (KCPL))  
Holly Carias (NextEra)  
Dennis Florum (LES)  
Bill Grant (Xcel SPS)  
Richard Ross (AEP)  
Al Tamimi (Sunflower)  
Bob Tallman (OGE; proxy for Greg McAuley)  
Mike Risan (BEPC)  
Brett Leopold (ITC)  
Cindy Ireland (APSC) – CAWG Liaison

**SPP Staff Attendance**

Paul Suskie, Staff Secretary  
Antoine Lucas  
Gary Cate  
Don Shipley  
Tessie Kentner  
Luke Hill  
Ben Bright

### **HITT Meeting Participants**

Aaron Doll (EDE/LU)  
Aaron Vander Vorst (Tradewind Energy)  
Alan Myers (ITC)  
Andrea Harrison (WFEC)  
Bernie Liu (Xcel SPS)  
Betsy Beck (AWEA)  
Bill Leung (NPRB)  
Blaine Erhardt (BEPC)  
Bob Burner (Duke ATC)  
Brian Rounds (AESL)  
Calvin Daniels (WFEC)  
Carrie Dixon (Xcel)  
Clifford Franklin (SEPC)  
Dennis Reed (MW Consulting)  
Don Frerking (KCP&L)  
Gayle Freier (SPP)  
Gayle Nansel (WAPA)  
Greg Garst (OPPD)  
Greg Sorenson (SPP MMU)  
J.P. Maddock (BEPC)  
Jack Madden (GDS for ETEC/NTEC)  
James Bailey (SPP)  
Jason Chaplin (OCC)  
Jason Mazigian (BEPC)  
Jason Shook (GDS/ETEC)  
Jeff Knottek (CUS)  
Jim Hotovy (NPPD)  
Jim Jacoby (AEP)  
Joel Dagerman (NPPD)  
John Boshears (CUS)  
John Krajewski (NPRB)  
John Stephens (CUS)  
Jon Sunneberg (NPPD)  
Keith Collins (SPP MMU)  
Kelsey Allen (SPP)  
Kenny Hale (SPRM)  
Marisa Choate (SPP)  
Meena Thomas  
Michael Moffet (SEPC)  
Natasha Henderson (GSEC)  
Nicole Wagner (SPP)  
Pam Bonrud (NWE)  
Pat Hayes (LS Power)  
Paul Malone (NPPD)  
Peter Wybierala (NextEra)  
Ray Bergmeier (SEPC)  
Richard Dillon (SPP)  
Robert Pick (NPPD)  
Robert Safuto (Customized Energy Solutions)  
Rodney Massman (MoPSC)  
Ron Garner (APSC)  
Ron Thompson (NPPD)  
Sam Enfield  
Sam Loudenslager (SPP)  
Scott Bents (IUB)  
Shawn Geil (KEPCo)  
Steve Gaw (Wind Coalition)  
Steve Purdy (SPP)  
Terri Gallup (AEP)  
Tim Hall (Southern)  
Tom Christensen (BEPC)  
Tom Hestermann (SEPC)  
Tom Kleckner (RTO Insider)  
Traci L. Bender (NPPD)  
Walt Cecil (MOPSC)

## **Potential Problem Statement and HITT Goals**

### **Issue No. 1A**

**Issue No. 1A:** *SPP's current planning processes for transmission facilities were created prior to the development of the current full Day Ahead and Real Time energy and ancillary services markets. How should we change the planning process, operating processes and market/tariff products to get the right results? That is, the right system facility projects built with the right entity paying. Additionally, what synergies can be developed between market operations and planning? [**Statement developed at May 2018 HITT Meeting.**]*

**Problem Statement No. 1A:** *SPP's transmission planning and tariff services (particularly generation interconnection planning) are largely based upon policies and goals that were developed before the launch of the Integrated Marketplace, new resource adequacy requirements, and changing generation resource mix.*

**HITT Goal for Issue No. 1A:** *Develop high-level policy recommendation as to how SPP can align its transmission planning processes and stakeholders' resource adequacy needs with SPP's Integrated Marketplace and tariff requirements.*

### **Issue No. 1B**

**Issue No. 1B:** *Given the guidance the HITT developed for Issue No. #1A, the Team will review the transmission cost allocation methodologies to potentially make recommendations to improve processes to ensure that just and reasonable cost allocation principles are used in the SPP region. Any recommendation will be sent to the RSC/CAWG for consideration. [**Statement developed at May 2018 HITT Meeting.**]*

**Problem Statement No. 1B:** *SPP's existing cost allocation methodologies (Highway/Byway, Z2, direct assignment, Schedule 9, Safe Harbor limits, etc.) were developed and approved by the RSC, except Schedule 9, before the implementation of the Integrated Marketplace and a significant change in generation resources in the SPP footprint.*

**HITT Goal for Issue No. 1B:** *Review existing transmission cost allocation methodologies in light of the implementation of the Integrated Marketplace and significant changes in generating resources. Upon completing the review, and in consideration of recommendations from the HITT for Issue No. 1, the Team will develop any needed high-level cost allocation policy recommendations for the consideration of the RSC/CAWG.*

### **Issue No. 2**

**Issue No. 2:** *Develop a better understanding of the product needs of customers based on looking at different market designs to see if enhancements could be implemented to get correct products in place and incented for the SPP market. This includes the need to understand essential reliability services and see if market designs should be changed to get mechanisms in place.*

*Additionally, need to look at impacts to resource adequacy and planning processes. [Statement developed at May 2018 HITT Meeting.]*

**Problem Statement No. 2:** *A more holistic understanding of SPP Integrated Marketplace is needed to get a better understanding of the product needs of customers in light of significant changes in generation resource mix and developing technology to maintain reliability.*

**HITT Goal for Issue No. 2:** *Develop a holistic understanding of the SPP's Integrated Marketplace and the essential reliability services needed for the region in light of significant changes in generating resources and developing technology. Additionally, develop a better understanding of market products in other regions/markets. Upon obtaining this understanding, develop high-level policy recommendation as to how to enhance SPP's Integrated Marketplace and tariff requirements.*

### **Issue No. 3**

**Issue No. 3.** *Examine barriers to load growth within SPPs policies and tariff procedures. [Updated in June 2018 HITT Meeting.]*

**Problem Statement No. 3:** *The SPP region has stagnant to no load growth due to energy efficiency, other policies and economic reasons.*

**HITT Goal for Issue No. 3:** *Review potential load growth opportunities for the SPP region and make recommendations as to how SPP can improve processes to assist member companies in realizing load growth. After completing the review, the HITT will develop high-level policy recommendation as to how SPP can enhance or change existing processes – including Attachment AQ -- to help facilitate load growth opportunities in the SPP region.*