

**Supply Adequacy Working Group**

**KCPL Offices**

**1KC-02 North Auditorium**

**Kansas City, Missouri**

**June 25<sup>th</sup> and 26<sup>th</sup>, 2019**

**Day 1: 8:00 a.m. – 5:00 p.m.**

**Day 2 8:00 – 12:00 p.m.**

**• A G E N D A •**

**Day 1 Attendance**

Aaron Castleberry	Oklahoma Gas & Electric
Aaron Ramsdell	Basin Electric Power Coop.
Adam Graff	Heartland
Bennie Weeks	SPS (Xcel Energy Services) ( <i>proxy Ashley Gibbons</i> )
Brad Hans	Municipal Energy Agency of Nebraska
Brian Berkstresser	Empire
Douglas Jasa	KCPL and Westar, Evergy Companies
Eric Alexander	Grand River Dam Authority
Ernesto Perez	GDS Associates, Inc.
Jim Jacoby	American Electric Power
Jon Iverson	Omaha Public Power District
John Varnell	Tenaska
Kenny Hale	City Utilities of Springfield, MO
Natasha Henderson	Golden Spread Electric Cooperative
Phillip Schaeffer	Western Farmer Electric Cooperative
Rob Janssen	Dogwood
Tom Hestermann	Sunflower Electric Power Corporation
Thomas Saitta	Kansas Municipal Energy Agency
Traci Bender	Nebraska Public Power District
Walt Cecil*	Missouri PSC
Shawnee Claiborn-Pinto*	PUC Texas

*\* Liaison member*

**Day 2 Attendance**

Aaron Castleberry	Oklahoma Gas & Electric
Aaron Ramsdell	Basin Electric Power Coop.
Adam Graff	Heartland
Bennie Weeks	SPS (Xcel Energy Services)
Brad Hans	Municipal Energy Agency of Nebraska
Brian Berkstresser	Empire

Douglas Jasa	KCPL and Westar, Evergy Companies
Eric Alexander	Grand River Dam Authority
Ernesto Perez	GDS Associates, Inc.
Jim Jacoby	American Electric Power
Jodi Knutson	Western Area Power Administration
Jon Iverson	Omaha Public Power District
John Varnell	Tenaska
Kenny Hale	City Utilities of Springfield, MO
Natasha Henderson	Golden Spread Electric Cooperative
Phillip Schaeffer	Western Farmer Electric Cooperative
Rob Janssen	Dogwood
Tom Hestermann	Sunflower Electric Power Corporation
Thomas Saitta	Kansas Municipal Energy Agency
Traci Bender	Nebraska Public Power District
Walt Cecil*	Missouri PSC
Shawnee Claiborn-Pinto*	PUC Texas

*\* Liaison member*

## Day 1

### **Administrative Items**

- Brans Hans call the meeting to order at 8:01 a.m.
- Roll Call and Introductions
- May meeting minutes unanimously approved.
- The draft agenda reviewed and unanimously approved. The motion to approve made by Tom Hestermann and seconded by Brian Berkstresser.

### **LOLE Study Scope (Approval Item)**

Staff gave an overview of the additional LOLE study attributes added to 2019 LOLE Study Scope. These new attributes were not included in the 2017 LOLE study, which leans the study away from a commit all dispatch to more of an economic dispatch analysis. The CAWG liaison members stated that the Commissioners were interested in the commit all concept and would like an update in the future. For those units that have the least impact on reliability, also consider impacts to the transmission system. In the sensitivity to remove generation, in place of load scaling, do not bias zonal transmission constraints by removing generation in wind rich areas.

**Motion:** Staff recommends approving the 2019 LOLE Study Scope for the base case study, which is using the load scaling methodology. Additional sensitivity factors will be brought back to the SAWG by the August meeting. Brian Berkstresser made the motion and seconded by Kenny Hale.

**Results:** Unanimous Approval

**Action Item:** Identify quick start units, remove from list, and look at ramping and transmission constraints. Do not overload zones based on the bias of wind.

### **Deliverability Study Scope (Approval Item)**

Staff presented the latest Deliverability study scope changes around grouping. This 2019 study used for the 2020 and 2021 summer seasons.

**Motion:** Staff Recommends SAWG approve the 2019 Deliverability Study Scope. Doug Jasa made the motion and seconded by Natasha Henderson.

**Results:** Unanimous Approval

### **ELCC Discussion**

Staff gave an updated on the latest solar study results. There were questions on how solar affected the wind accreditation? Several members felt that wind and solar should be accredited together and not separately. Staff is going to perform some additional sensitivities and bring back at the July meeting.

**Action Item:** Solar presentation slide 5 study at 4282 MWs instead of the actual solar amount.

**Action Item:** Solar presentation slide five, show wind at 19,339 as base case, 19,339 base case with 4,282 of solar, base case of 4,282 of solar.

**Action Item:** Solar presentation slide 6: Extend analysis scenario from 10GWs out to 50 GWs.

### **ELCC Discussion Continued**

Staff pointed out that the ELCC analysis will be studied annually and each scoping effort would give the SAWG the ability to address the methodologies.

Staff is working with Astrape on performing a battery storage study, and asked the SAWG for input on the study scenarios. Based on the initial discussions around battery technology and the resources being considered in SPP, these scenarios are staffs best stab at creating a starting point. These assumptions will continually to evolve with the annually scoping efforts.

### **HITT Update**

An update was given on the HITT initiatives and the SAWGs involvement in the process. The SAWG will have input into the NRIS and ERIS discussion, which has an April 2020 due date.

The SAWG and TWG have been charged with ensuring the long-term deliverability works with NRIS and firm service.

### **Firm Service, NRIS, ERIS Educational Review**

Staff gave an overview of the firm service study process and took questions on how the study process works. The ITP base model is used and only firm service units are used. Units with NRIS are not dispatched for purposes of Transmission service. It was stated that base plan funding only applies to Firm Service and does not apply to NRIS resources.

Staff also gave an overview of the GI study process and how the ERIS and NRIS resources are studied. It was stated that ERIS delivers to SPP and NRIS delivers to the zones, which is why the HITT directed to revamp the NRIS product. This will be accomplished by adding the deliverability concept to the NRIS product. This would be similar the ERIS product.

The TWG will be in charge of the NRIS deliverability while the SAWG consider the accreditation piece.

## Day 2

### **Administrative Items**

- Brans Hans call the meeting to order at 8:00 a.m.
- Roll Call and Introductions
- Agenda was amended to change the round table discussion the ELCC discussion continued and move up the time to right after RR 364 discussion. Brian Berkstresser made the motion and Phillip Schaffer seconded. The agenda revision was unanimously approved.

### **RR 364**

Eric Ruskamp gave an overview of RR 364 to the SAWG. The topic of referencing NERC standards instead of FAC-008 was brought up and will be looked at.

**Motion:** Endorse RR 364 as meeting the objectives described in the request. Tom Hestermann made the motion and seconded by John Varnell.

**Results:** Motion passed with one no vote (AEP) and three abstentions (NPPD, KMEA, and ETEC)

### **Transmission Solution Energy Storage Resources**

Staff gave an overview of energy storage resources and how they may be used as transmission solutions. The SAWG suggested if an ESR is being used as reliability/transmission asset, they could not be used for capacity to meet Attachment AA obligations.

### **NERC Distributed Energy Storage Update**

Staff gave an overview of the NERC effort underway to address ESR's and how they could apply to SPP. The SAWG was asked to provide input on this effort since it is the beginning stages

### **ELCC Discussion Continued**

Staff presented the consideration of using multiple years for ELCC accreditation. The discuss centered around averaging years and some SAWG members wanted to have a discussion on averaging before making a decision. The SAWG endorsed staff recommendations in regards to multiple weather year's consideration. Going forward staff will be perform and ELCC on both winter and summer seasons.

Brad Hans adjourned the meeting at 12:00 p.m.

Respectfully Submitted,

Chris Haley

Secretary

### *Day 1 Webex Attendance*

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