

**Southwest Power Pool, Inc.**

**TRANSMISSION WORKING GROUP MEETING**

**April 5, 2021 - 1:00 pm to 5:00pm CT**

**April 6, 2021 - 9:00 am to 3:00pm CT**

**Net-Conference**

**SUMMARY OF MOTIONS AND ACTIONS**

- General
  - Consent Agenda
    - Approved **RR 439 Business Practice 7070 Clean-up**
    - Approved **2022 ITP Scope Modification – Resource Mix for Policy Additions**
  - Approved **Mason & Weaver TWG Interconnection Request**
  - Approved **GI Group Reduction Proposal**
  - Approved **TWG Action Item 186: Model Reduction**
  
- 2021 ITP
  - Approved **Economic and Policy Needs Assessment**
  - Approved **2021 ITP Manual Waivers**

**SOUTHWEST POWER POOL**  
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**MINUTES**

AGENDA ITEM 1 – ADMINISTRATIVE ITEMS

Transmission Working Group (TWG) Chair Nathan McNeil, Midwest Energy, Inc., called the meeting to order at 9:00 a.m. The following members were in attendance or represented by proxy:

Derek Brown (Vice Chair), Evergy Companies  
Andrew Berg, Missouri River Energy Services  
Chris Pink, Tri-State Generation and Transmission Association, Inc.  
Clifford Franklin, Sunflower Electric Power Corporation  
Gayle Nansel, Western Area Power Administration  
James Ging, Kansas Power Pool  
Jarred Cooley, Xcel Energy  
Jason Shook, GDS Associates  
Jim McAvoy, Oklahoma Municipal Power Authority  
Joe Fultz, Grand River Dam Authority  
John Boshears, City Utilities of Springfield Missouri  
John Knofczynski, East River Electric Power Cooperative  
Joshua Verzal, Omaha Public Power District  
Kalun Kelley, Western Farmers Electric Cooperative  
Matt McGee, American Electric Power  
Michael Mueller, Arkansas Electric Cooperative Corporation  
Michael Wegner, ITC Holdings  
Nate Morris, Liberty Utilities  
Noman Williams, GridLiance High Plains LLC  
Phil Westby, Basin Electric Power Cooperative  
Randy Lindstrom, Nebraska Public Power District  
Scott Benson, Lincoln Electric Systems

Shane McMinn, Golden Spread Electric Cooperative  
Steve Hardebeck, Oklahoma Gas & Electric

Proxies:

Tim Sell for Michael Wegner (ITC Holdings)

Jerry Bradshaw for John Boshears (City Utilities of Springfield)

Adam Bell (SPP) confirmed there was a quorum and provided the antitrust statement. Nathan McNeil reviewed the agenda for any changes.

**Noman Williams made a motion, seconded by Jason Shook to approve the meeting agenda. The motion passed unanimously.**

## CONSENT AGENDA

The consent agenda included a request for approval of the following items:

- RR 439 Business Practice 7070 Clean-up
- 2022 ITP Scope Modification – Resource Mix for Policy Additions

**Noman Williams made a motion, seconded by Chris Pink, to approve the consent agenda. The motion passed unanimously.**

## AGENDA ITEM 2 – GRID-ENHANCING TECHNOLOGIES (GETS) CASE STUDY RESULTS

Jay Caspary (Grid Strategies LLC) presented the case study, “Unlocking the Queue with Grid-Enhancing Technologies” to the group. The case study presentation included an overview of the issues at hand, a study overview, the study approach and results, and a follow-up discussion. The two primary issues reviewed increasing renewable resources (often associated with carbon reduction) as a common goal and a discussion of the roadblocks to integrating more renewables, stating that GETs quickly and cost-effectively help maximize the capability of the existing transmission system. The remaining discussion covered the remainder of the case study overview, approach and results.

## AGENDA ITEM 3A – 2021 ITP POWERFLOW MODEL BENCHMARKING

David Duhart (SPP) provided an overview of the 2021 ITP powerflow benchmarking work, including background information and ITP manual language. Mr. Duhart discussed the load power factors comparison and years 2/5/10 summer and winter load totals and related notes with the group. For generation, Years 2/5/10 PGEN summer and winter amounts and related notes were reviewed for

the different resource types. Also, Mr. Duhart presented generation added/removed and PMAx for summer/winter by TO. Finally, 345 kV branch additions were shown for years 2/5/10.

#### AGENDA ITEM 3B – 2021 ITP ECONOMIC AND POLICY NEEDS ASSESSMENT

Maurisa Hughes (SPP) provided a process outline for the economic and policy needs assessments, as well as economic needs considerations for the 2021 ITP. Those considerations included target areas, JTIQ study, reliability and operational needs, and Ms. Hughes reviewed different scenarios where staff will use engineering judgment to consider including/excluding needs.

**Tim Sell made a motion, seconded by Michael Wegner, to approve the considerations presented for inclusion and exclusion of economic needs. The motion passed unanimously.**

#### AGENDA ITEM 3C – 2021 ITP: TARGET AREA FINALIZATION

This item was not presented and will be moved to a future meeting agenda.

#### AGENDA ITEM 3D – 2021 ITP: ITP MANUAL WAIVERS

Chris Davis (SPP) presented staff's ITP Manual waiver requests and provided a recap of the 2021 ITP mitigation as approved by TWG and ESWG in March 2021, highlighting items that needed ITP Manual Waivers or scope changes. Mr. Davis reviewed the language changes needed in the 2021 ITP Scope, and requested approval of each waiver request. The waivers requested included reducing the scope of the 2023 ITP to NERC-required processes, and carving out the market powerflow model (MPM) needs from the 2021 ITP process.

**Cliff Franklin made a motion, seconded by Jason Shook, to approve staff's recommendations 1, 2 and 3, as follows:**

- **TWG recommends the MOPC waive the requirements in the ITP manual to build and assess the Market Powerflow Models during the 2021 ITP Reliability Needs Assessment**
- **TWG recommends the MOPC waive the economic and policy requirements from the 2023 ITP**
- **SPP Staff recommends the TWG approve the 2021 ITP Scope modification to allow schedule adjustments within the 2021 ITP**

**The motion passed unanimously.**

## AGENDA ITEM 3E – ITP SCHEDULE UPDATES / LESSONS LEARNED

Dara Solomon (SPP) provided an update for the current 2021 ITP, 2022 ITP and 20YA schedules with the group. In addition, lessons learned for the 2021 ITP Scope development and load and generation milestones were reviewed.

## AGENDA ITEM 4 – NTC MODIFICATIONS

John O'Dell (SPP) reviewed two NTC modification requests with the group. The first one was NTC 200256 – Southwest Public Service, and the second was NTC 210544 – AEP Riverside breakers. After informing TWG and MOPC of these NTC modification requests, staff will seek Board approval.

## AGENDA ITEM 5 – TWG'S AI'S RELATED TO RR 430: GI DATA REQUEST REVISIONS

Doug Bowman (SPP) reviewed RR 430 GI Data Request Revisions with the group for the GIA language revisions addressing the GI process changes and GI schedule concerns related to the implementation of RR 430.

## AGENDA ITEM 6 – MASON & WEAVER TWG INTERCONNECTION REQUEST

Tyler Baxter (CBEPCC) presented two new interconnection requests for Mason and Weaver. Mason is being rebuilt due to age and condition and being converted to a switching station. This will also divide CBPC's longest 69 kV line in half, reducing exposure for four substations. Second, Weaver interconnect will allow MEC to close the normal open at Gilmore City to MEC's Humboldt East switching station, and also allow CBPC to retire 12 miles of 69 kV line which two lines run parallel to a mile apart. Mr. Baxter reviewed the steady state, dynamic and short circuit models used and the study group coordination dates.

**Cliff Franklin made a motion to approve that Corn Belt has completed the review under Criteria 5.5 requirements for the Mason and Weaver interconnects, seconded by Jason Shook, to approve. The motion passed unanimously.**

## AGENDA ITEM 7 – TWG WINTER WEATHER EVENT COMPREHENSIVE REVIEW

Adam Bell (SPP) introduced SPP's Winter Weather Event efforts based on what occurred in SPP's footprint in 2021. Mr. Bell discussed with the group and more information will be brought back for discussion at subsequent meetings.

## AGENDA ITEM 8 – REMEDIAL ACTION SCHEME (RAS) POLICY

Adam Bell (SPP) reviewed the final draft of the Remedial Action Scheme (RAS) Policy with the group. SPP staff provided the final updated version of the policy document and TWG members discussed

their thoughts on the new revisions. After additional revisions during group discussion, the recommendation was to present to ORWG with feedback from TWG. Mr. Bell requested if anyone had specific comments that need to go to ORWG, please send them to him. Once approved, this policy document will be used to draft a revision request.

## AGENDA ITEM 9 – GI GROUP REDUCTION

Caitlin Shank (SPP) provided a review of a revision to SPP business practice 7250 for the additional TDF threshold triggering violation mitigation and cost allocation. The objective of this effort is to obtain GI group reduction approval and mitigate adverse impacts to GI customers. Ms. Shank discussed the proposed revisions to BP7250 language with the group and provided the upcoming RR working group review dates. The TWG amended a recommendation provided by staff to the following.

- Approval to start DISIS-2017-002 utilizing:
  - Remove out-of-group dispatch component for all seasons from ERIS and NRIS study models.
  - Use Option 1B for group reduction from slides 8-9.
    - GI would only implement group reduction at the start of study for a new DISIS cluster
    - Group reductions would not be applied to any DISIS clusters that have completed study, original grouping assumption used for that study would be applied.
  - Solutions selected for violations along the seams will be reviewed to verify whether we can consolidate or optimize solutions to reduce overall customer costs.
  - Solutions approved will be added to all of the GI regional study models to:
    - Perform a final review to verify whether there is opportunity for additional consolidation or optimization of the selected solutions to reduce overall customer costs.
    - Ensure that solutions selected for a region are not introducing new violations / issues to neighboring regions.
  - The groups utilized for GI will be revisited once CRIS deliverability zones and HITT C1/T1 pricing zones have been determined for potential greater alignment across all groups/zones

**Josh Verzal made a motion to approve the recommendation above related to GI Group reduction, seconded by Cliff Franklin. The motion passed with three opposed: Jarred Cooley, Nate Morris, Shane McMinn and two abstentions: Chris Pink, Kalun Kelley.**

**Action Item for staff to present results of the DISIS-2017-002 Phase 2 to review groupings and whether additional adjustments are required.**

#### AGENDA ITEM 10 – HITT T2 / RR 391 ZONAL PLANNING CRITERIA

Micha Bailey (SPP) provided a brief update on the status of the HITT T2 effort.

#### AGENDA ITEM 11 – MODEL REDUCTION / TWG ACTION ITEM 186

Sunny Raheem (SPP) provided SPP staff's recommendation related to the TWG action item 186 on model reduction. SPP Staff recommends approving the recommendations listed in the Total Base Planning Model Reduction Recommendation paper for implementation starting with the 2022 MDAG / 2023 ITP model developments.

**Steve Hardebeck made a motion to approve staff's recommendation to address TWG action item 186, seconded by Cliff Franklin. The motion passed unanimously.**

#### AGENDA ITEM 12 – RELIABILITY HOUR SELECTION PROCESS

Due to time constraints this item will be handled at a future TWG meeting.

#### AGENDA ITEM 13 – ACTION ITEMS AND FUTURE MEETINGS

New action items were reviewed and future meetings were discussed.

With no new business, Nathan McNeil, Midwest Energy, Inc., adjourned the meeting at 3:00 pm.

Respectfully Submitted,

Adam Bell

Secretary

**Informational Postings and “If Time Allows”**

AGENDA ITEM 14 – ESR UPDATE

AGENDA ITEM 15 – TWG ITEMS (2021 ACTION ITEMS, WORK PLAN, AND GOALS)

AGENDA ITEM 16 – GRAIN BELT EXPRESS INTERCONNECTION STUDY SCOPE