



Southwest Power Pool
TRANSMISSION WORKING GROUP MEETING
January 10, 2018
Net Conference – Little Rock, AR

• Summary of Action Items •

1. Approved revisions to the TWG Charter
2. Approved the Brookline high voltage models for use in the 2018 ITPNT
3. Approved moving forward with an approach to handle model errors in the 2018 ITPNT Base Reliability models



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TRANSMISSION WORKING GROUP MEETING
January 10, 2018
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• M I N U T E S •

Agenda Item 1 – Administrative Items

Call to Order

TWG Chair Travis Hyde called the meeting to order at 9:01 am. The following members were in attendance (Attachment 1a – Attendance).

Travis Hyde (Chair), Oklahoma Gas & Electric
Daniel Benedict, City of Independence
Scott Benson, Lincoln Electric System
John Boshears, City Utilities of Springfield
John Fulton, Southwestern Public Service Company
Joe Fultz, Grand River Dam Authority
James Ging, Kansas Power Pool
Kalun Kelley, Western Farmers Electric Cooperative
John Knofczynski, East River Electric Power Cooperative
Randy Lindstrom, Nebraska Public Power District
Matt McGee, American Electric Power
Nathan McNeil, Midwest Energy Inc.
Nate Morris, Empire District Electric, Inc.
Michael Mueller, Arkansas Electric Cooperative Corporation
Alan Myers, ITC Great Plains
Jason Shook, GDS Associates, Inc.
Noman Williams South Central MCN
Harold Wyble, Kansas City Power & Light

Proxies

Kirk Hall, SPP staff, identified the following proxies (Attachment 1b – Proxies):

- Josh Verzal (OPPD) proxy for Dan Lenihan (OPPD)
- Jeremy Severson (BEPC) proxy for Matthew Stoltz (BEPC)

The following individuals were given partial proxies for the meeting

- Michael Wegner (ITCGP) partial proxy for Alan Myers (ITCGP)

Kirk Hall, SPP staff, informed the Chair of a quorum, and noted that the TWG agenda would be modified to discuss an issue with the 2018 ITPNT Base Reliability models.

Agenda Item 2 – Member Attendance Education

Kirk reviewed a presentation outlining the SPP Bylaws with regards to working group attendance (Attachment 2 – Member Educational Session). Kirk informed the group of the annual assessment performed by the CGC and the additional information regarding attendance that was also requested. Members asked staff to provide clarification on the difference between absent with proxy or absent without a proxy with regards to attendance. Members also asked staff to share each member's individual attendance record with the respective member.

Agenda Item 3 – TWG Charter Revision

Kirk reviewed the proposed language for the TWG Charter (Attachment 3 – Revised TWG Charter) written to meet the intent of the approved motion from the November 7-8, 2017 TWG meeting. TWG members discussed the draft language and the direction the TWG approved in November. The TWG discussed defining the representation in the charter specifically with regards to TO vs. TU members could pose problems with the current landscape of SPP and the potential for addition or merging of TO members. TWG determined the best course of action was to approve the charter as modified during the meeting, but also seek MOPC feedback on the proposed direction of the group. Travis agreed to bring topic to the MOPC's attention during the upcoming MOPC meeting.

Motion: John Fulton made a motion to approve the TWG Charter revisions as modified during the meeting. Michael Wegner seconded the motion. The motion passed with opposition from Randy Lindstrom, Nate Morris, Nathan McNeil, and Scott Benson.

Agenda Item 4 – IBIS Scope

Jason Tanner, SPP staff, presented the latest version of the Inverter-Based Integration Study Scope (Attachment 4 – IBIS Scope) for the TWG to review. Jason noted that the scope will be available for review by the ORWG in February and will come to the TWG for approval on February 21. Jason also pointed out staff had been working with the vendors to work out contract details so they could be signed as soon as possible once the TWG and ORWG have approved the study scope.

Agenda Item 5 – 2018 ITPNT Base Reliability Model Update

Kelsey Allen, SPP staff, opened up a discussion (Attachment 5 – 2018 ITPNT BR Model Issue) with the group on an error found in the Base Reliability models (2019 and 2022 Summer Peak models only). Kelsey informed the group that the dispatch was incorrect due to interchange values for the model being based on Scenario 0 transactions that did not consider the Base Reliability wind dispatch methodology in the ITP Manual. He noted that staff had built a corrected model and already assessed the impacts of a corrected dispatch, which included some additional criteria violations and some changes to current needs. Kelsey pointed out that the new criteria violations were only identified on facilities that are already included on the posted 2018 ITPNT Needs Assessment.

Staff discussed three options with the TWG on how to move forward with the study for the TWG to consider. TWG members were in favor of Option 2 based upon the minimal impact to the schedule as well as the limited impact to the information that was posted in the Needs Assessment.

Motion: Noman Williams made a motion supporting staff's recommendation to move forward with Option 2b:

- **Accommodate the update to the BR models in the current 2018 ITPNT Schedule**
- **Utilize the new ACCC results for evaluation of solutions and development of a portfolio**
- **Post the new criteria violations information for stakeholders to consider during development of solutions during the current DPP window including identification of needs that are no longer valid by 1/12**
- **TWG expresses concerns with the modeling issues late in the ITPNT process.**

Agenda Item 6 – VSAT Educational Session

This item was skipped due to lack of meeting time and added to a later meeting agenda.

Agenda Item 7 – 69 kV Mapping

This item was skipped due to lack of meeting time and added to a later meeting agenda.



Respectfully Submitted,

Kirk Hall
Secretary

Supplemental Activity

On Tuesday, January 31, 2018, the TWG voted by email to approve the 2019 ITP Generation and Load Review in accordance with the TWG Email Voting Protocol. Out of a possible 24 votes, the motion was passed without opposition with 21 votes being cast in favor and one abstention from Gayle Nansel at Western Area Power Authority.

Gayle provided the following reason for her abstention during the voting window:

The Economic Load and Generation data contains a copy-paste error that omitted significant amounts of data. Specifically, hydro resource obligations to SPP customers represented by some model demand groups are missing from the "Hydro Unit Ownership" sheet. The consequence of this omission may be misappropriated hydro resource, indicating more hydro available for market dispatch or potentially dispatched out of SPP, without respecting the internal-SPP obligations. In discussions with SPP staff, the error is correctable and can likely be affected without modifying the bulk of the Economic Load and Generation up for final TWG/ESWG vote. However, WAPA-UGP believes that the error needs to be corrected prior to the data workbooks being made final, reflecting the data that we have submitted well prior to the final posting; it is likely that the remainder of the data posted could be approved and the "Hydro Unit Ownership" sheet be approved separately when corrected.

Southwest Power Pool, Inc.
TWG NET CONFERENCE
January 10, 2018
SPP Corporate Campus – Little Rock, AR

• A G E N D A •

9:00 am – 11:00 am

1. Administrative ItemsTravis Hyde (5 min.)
 - a. Call to Order
 - b. Proxies
2. Member Attendance Education Kirk Hall (10 min.)
3. TWG Charter Revision (Approval Item)..... Kirk Hall (15 min.)
4. IBIS Scope.....Jason Tanner (15 min.)
5. 2018 ITPNT Base Reliability Model Discussion Staff (30 min.)
6. VSAT Education SessionLei Wang (30 min.)
7. 69 kV Mapping¹ Kirk Hall (10 min.)

¹No posted background material

All sessions in Central Standard Time (Chicago, GMT-06:00)

Session detail for 'TWG Net Conference':

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71 Chenal WebEx	awhite@spp.org

Kirk/Travis,

I will be able to participate in part of tomorrow's teleconference but will have to jump off part way through. Michael Wegner will have my proxy after I depart.

Thanks,

Alan K. Myers, P.E.

Director, Regional Planning

ITC Holdings Corp. – a Fortis Company

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Please consider the planet before you print.

Kirk,

Josh Verzal will be my proxy for the TWG meeting tomorrow (1/10/18).

Thanks,

Dan Lenihan, P.E.

Director – Planning & Strategy

Energy Delivery

Omaha Public Power District

Energy Control Center, ECC-5

Voice: (402) 552-5126 / (402) 636-2560

Email: djlenihan@oppd.com

Kirk. I'm giving my proxy to Jeremy today. Sorry for late notice.

Sent from my iPhone

Matthew Stoltz



HELPING OUR MEMBERS WORK TOGETHER
TO KEEP THE LIGHTS ON... TODAY AND IN THE FUTURE.

Member Attendance Education

Kirk Hall

January 10, 2018

Background

- Corporate Governance Committee has directed SPP working groups to review the *Attendance & Proxy* language from the SPP bylaws

What do the Bylaws say?

3.2 Structure

- Member input on decision-making shall be accomplished primarily through Membership participation in Organizational Groups. Members are expected to provide representation to Organizational Groups as requested. Unless otherwise provided in these Bylaws, Organizational Group representation will be appointed by the Board of Directors, who shall consider the various types and expertise of Members and their geographic locations, to achieve a widespread and effective representation of the Membership.

Organizational Group representation will be reviewed annually for compliance with the Bylaws by the Corporate Governance Committee. The Chair of any Organizational Group may appoint any ad hoc task forces as necessary to fulfill its mission. Task force appointments shall be made with due consideration of the various types and expertise of Members and their geographic locations. Criteria for serving on an Organizational Group will be determined in the group's scope. Except for any full representation group, **an appointment to an Organizational Group is for an individual, not a corporate entity.** Participation in certain sessions of Organizational Group meetings where market sensitive issues are discussed may be restricted to persons representing entities that have executed ERO's Confidentiality Agreement. Representatives on all Organizational Groups will be documented in the SPP directory maintained by the Staff. Organizational Group vacancies will be filled on an interim basis by appointment of the President unless otherwise provided for in these Bylaws.

What do the Bylaws say?

3.2 Attendance and Proxy

- Except for the MOPC, **if a representative does not attend three consecutive Organizational Group meetings, he/she will be considered to have resigned from the group**, absent express waiver of this requirement by the chair of the group. Any appeal of removal from the roster of an Organizational Group should be directed to the Corporate Secretary. ... If a representative is unable to attend an Organizational Group meeting, he/she may in writing appoint a substitute representative who shall have such rights to participate and vote as the representative specifies. The substitute representative may be another member of the Organizational Group or another person who has the authority to act on behalf of the representative. A representative **may not grant a proxy for more than three consecutive meetings without the express consent of the chair** of the Organizational Group. If a representative exceeds the proxy limit, he/she will be considered to have resigned from the Organizational Group and the vacancy will be filled in accordance with these Bylaws; except, in the case of any full representation Organizational Group, in which case a new representative will be solicited from the member company. A proxy provided to another representative of the Organizational Group will not be recorded as attendance at the meeting and will not serve to meet or maintain the quorum requirements. A proxy provided to another person with the authority to act on behalf of the representative will be recorded as attendance at a meeting for the purpose of meeting or maintaining the quorum requirements.



Southwest Power Pool, Inc.

TRANSMISSION WORKING GROUP Charter

January 10~~October 27~~, 2017~~5~~

Purpose

The Transmission Working Group (TWG) is responsible for policy recommendations and implementation of regional planning efforts, review of transmission interconnections, and coordination with interregional transmission planning activities. In addition the TWG coordinates its activities with the RTO for the development of the SPP Transmission Expansion Plan.

Scope of Activities

In carrying out its purposes, the TWG will:

1. Provide oversight and coordination of the activities of the MDWG and TWG initiated task forces.
2. Review and develop regional transmission planning criteria.
3. In coordination with the Operating Reliability Working Group (ORWG) review and develop criteria related to regional Available Transfer Capability (ATC) calculations.
4. Review and provide input to the Regional Tariff Working Group (RTWG) on implementation of ATC-related calculations pursuant to SPP Tariff Attachment C.
5. Approve additions, modifications, and deletions to the SPP portion of the NERC Book of Flowgates.
6. Review and develop rating criteria used for regional transmission facilities, including the Minimum Design Standards.
7. Coordinate the planning process efforts pursuant to the SPP Tariff. Review and suggest modifications to the planning processes, the regional expansion planning process and the regional expansion plan.
8. Review and provide input to NERC during the development of applicable reliability standards that impact transmission modeling, planning, and assessment, including input to SPP on recommended regional reliability standards.
9. Ensure SPP RTO compliance with NERC Reliability Standards applicable under TWG scope of activities.



10. Ensure SPP RTO compliance with SPP governing documents applicable under TWG scope of activities.
11. Respond to special assignments from the MOPC or the SPP Board of Directors.
12. Review and propose general policy changes to the MOPC to enhance the coordinated planning efforts, regional expansion planning, the provision of transmission service including the aggregate study process, generation interconnection process, seams agreements, OATT, and coordinating these with the appropriate MOPC working groups.
13. Work with Staff and other SPP organizational groups to prioritize activities.
14. Review and approve adequate study information for interconnections.
15. Review technical and reliability planning aspects of all policies, business practices, study scopes, SPP Criteria changes, and Tariff changes.

Representation

TWG membership consists of up to 248 representatives from the SPP membership, including the chair and vice-chair. 14 of the possible 28 members will be a representative from a Transmission Owning member company and will be guaranteed. These individuals will be nominated by each company's Markets and Operations Policy Committee representative. The other 14 representatives will be made up of Transmission Using members in an effort to maintain balance within the TWG. Meetings are open, however by sufficient notice; the TWG may limit attendance during specific portions of a meeting by an affirmative vote of the TWG for reasons that are consistent with the SPP Bylaws.

Duration

Permanent.

Reporting

The TWG reports to the Markets and Operations Policy Committee. As necessary the TWG may appoint a member of the TWG as a liaison to other working groups or task forces for specific issues or action items being coordinated.

Inverter-Based Integration Study (IBIS) Small-Signal and Transient Stability Studies of SPP

SPP Transient Stability and Small-Signal Security Analysis Studies

A transient stability study will be performed to determine a stability limitation based on wind penetration in the light load MDWG 2021 light load based on two case scenarios of N-0 (planning base case) and N-X (ops outages case). V&R Energy's Fast Fault Scan (FFS) tool will be used to determine the more severe N-1 fault locations in the SPP region for each case. These locations will be ranked according to critical clearing times. Stability analysis for disturbance events will be completed using DSATools TSAT for the FFS events with critical clearing times less than 9 cycles. During the stability simulations, monitored parameters will include rotor angle and speed, real and reactive power, bus voltages greater than 100kV in the disturbance area (more than one area may be monitored depending on proximity to the disturbance), transient voltage response, and machine angle rotor damping. Parameters will be compared with the *SPP Disturbance Performance Requirements* criteria.

A small signal analysis will be performed on the stability limited wind penetration cases as described above to determine the existence, modal frequencies, and damping levels of inter-area oscillations within the SPP footprint. The analysis will be completed using DSATools SSAT.

Task 1 Model development, Benchmarking, Analysis

- a. Dynamic Model Development
- b. Fast Fault Scan Analysis
- c. Transient Stability Analysis

Task 2 Build and benchmark stability models against PSS/e models from Task 1a

Task 3 Perform a transient stability assessment for the identified contingencies in task 1b.

Task 4 Perform prony analysis to identify problematic frequencies of oscillations and associated damping ratios.

Task 5 Perform base case small-signal stability analysis.

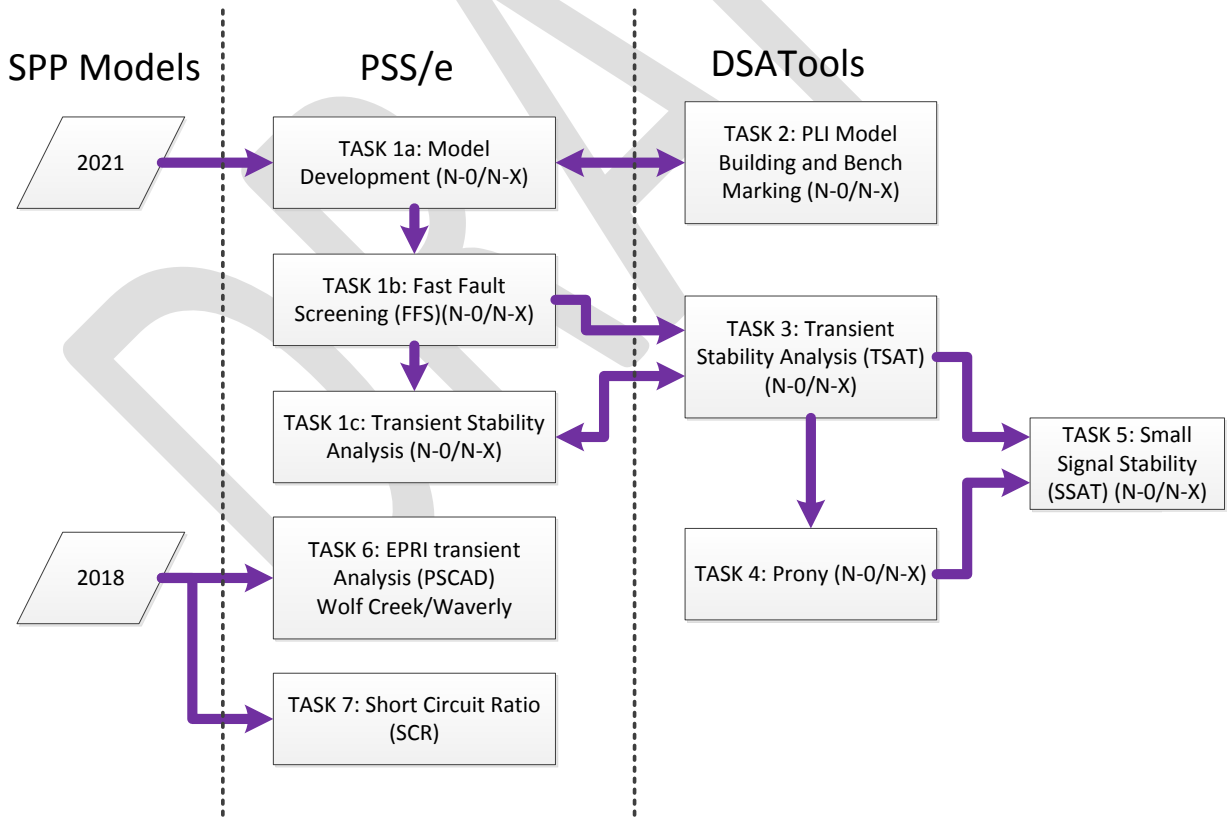
Task 6 EPRI to perform a Transient analysis (PSCAD) for areas of concern.

Task 7 Determine the short circuit ratio (SCR) for inverter-based generation interconnections at existing and new locations, and required minimum criteria.

Schedule of Activities

Activity	Resource	2017	2017	2017	2017	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2019	2019	
		Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Scope Doc	OPS/RDSS	φ																					
SPP Review	SPP Planning/OPS/RDSS/Modeling		φ																				
ORWG Scope Review	ORWG																						
TWG Scope Review	TWG																						
Solicit Consultant Bids	SPP OPS/RDSS/Purchasing/Legal																						
Finalize Consultant Contracts	SPP OPS/RDSS/Purchasing/Legal																						
TWG Project Review	ALL																						
ORWG Project Review	ALL																						
Task 1a Dynamic Model Development	SPP Modeling																						
Task 1b Fast Fault Scan Analysis	SPP RDSS																						
Task 1c Transient Stability Analysis	SPP RDSS																						
Task 2 build and benchmark models	PLI/SPP RDSS																						
Task 3 TSAT transient stability assessment	PLI/SPP RDSS																						
Task 4 Prony analysis	PLI/SPP RDSS																						
Task 5 Small-signal stability analysis.	PLI/SPP RDSS																						
Task 6 EPRI Transient analysis (PSCAD)	EPRI/SPP RDSS																						
Task 7 Short circuit ratio (SCR) analysis	EPRI/SPP RDSS/SPP GI																						
Draft Report and Stakeholder Review	ALL																						
Final Report	ALL																						

Task Flowchart



Task 1 Model development.

Approach:

- a. SPP Staff with TWG input and review will develop both N-0 and N-X dynamics models to simulate a specific operating condition with high renewable dispatch a light load case using MDWG models. The existing first generation generic wind models will be replaced with newer second-generation wind models. The dynamic models will be developed using Siemens PTI PSS/e version 33.7.'
- b. SPP Staff will use V&R Energy's Fast Fault Scan (FFS) tool to determine the more severe N-1 fault locations, above 100 kV, in the SPP region for the N-0 and N-X models. The severe faults will be ranked according to critical clearing times. SPP Staff will coordinate with affected system TO's to determine the field clearing times for those events identified in the FFS. The clearing times to be used in the time domain simulation performed in task 3 will be the greater of the FFS critical clearing time or the actual field setting clearing time.
- c. SPP Staff will perform a transient stability analysis on the N-0 and N-X cases using PSS/e for the identified FFS events in task 1b, with critical clearing times less than 9 cycles. During the stability simulations, monitored parameters will include rotor angle and speed, real and reactive power, bus voltages greater than 100kV in the disturbance area, transient voltage response, and machine rotor angle damping. These results will be provided for comparison with TSAT results in task 3.

Data Requirements:

The following data will be provided by SPP Staff.

- Siemens PTI PSS/e power flow cases, and dynamics data files
- List of operations outages (generation, lines, transformers) added to the base MDWG model
- Resource additions to obtain the desired wind penetration levels
- Resource dispatch modifications
- Data for converter technology for wind farms: either doubly-fed induction machines or full-converter interface.
- PSS/e transient stability results output data.

Deliverables: (Task 1)

A report of the model development.

- Updated Siemens PTI PSS/e dynamic models
- Dynamic data
- Load and generation levels
- Wind penetration levels
- Outages
- FFS results

- Events for time domain simulations
- Event clearing times to be used in the time domain simulations
- Up to 20 contingencies per case for PSS/e dynamic stability simulation purposes.
- PSS/e transient stability results output results.

Task 2 proposal details.

Approach:

SPP staff will provide the N-0 and N-X models, data, and simulation results as developed in task 1a to facilitate conversion into dynamic models into PLI DSA Tools TSAT, SSAT, and PSAT formats. Models will be benchmarked with the PTI models using a no fault and test fault simulation.

The quantities to be benchmarked are rotor angles of synchronous machines in SPP footprint with MVA base greater than 100 MVA.

Will replace unsupported black-box wind farm models with generic renewable models.

Will tune up to 15 generic renewables models to improve benchmarking results, if benchmarking results are not acceptable to SPP.

Data Requirements:

The following data will be provided by SPP.

- Siemens PTI PSS/e power flow cases, and dynamics data files
- Test fault event file
- List of operations outages (generation, lines, transformers) added to the base MDWG model
- Any resource additions to obtain the desired wind penetration levels
- Resource dispatch modifications to obtain the desired wind penetration levels.
- Converter technology for wind farms: either doubly-fed induction machines or full-converter interface.
- Up to 20 contingencies per case for TSAT dynamic stability simulation purposes.
- PSS/e transient stability results output data.

Deliverables: (Task 2)

A report of the model development and benchmarking results.

- PLI TSAT, SSAT, and PSAT models
- Load and generation levels
- Benchmark results
- Wind penetration levels
- Outages
- Dynamic data
- Modifications to generic renewable models

- Users models replaced with generic renewable models

Task 3 proposal details.

Approach:

A transient stability analysis on the N-0 and N-X cases will be performed using DSATools TSAT for the identified FFS events in task 1b, with critical clearing times less than 9 cycles. During the stability simulations, monitored parameters will include rotor angle and speed, real and reactive power, bus voltages greater than 100kV in the disturbance area, transient voltage response, and machine rotor angle damping. The parameter values will be compared with the *SPP Disturbance Performance Requirements* criteria. DSA Tools TSAT results will be compared with PSS/e results in Task 1c for both N-0 and N-X cases.

Deliverables: (Task 3)

A report of the study will be produced containing the following information:

- TSAT results
- Security violations
- Recommended corrective action plans (No NTCs will be issued from this study)
- Transient stability comparison results

Task 4 proposal details.

Approach:

SPP Staff will perform a prony analysis to identify oscillatory modes for problematic events identified in transient stability results of task 3.

Deliverables: (Task 4)

A report of the study will be produced containing the following information:

- Oscillatory modes and damping ratios for each of the identified contingencies.

Task 5 proposal details.

Approach:

For the N-0 and N-X cases PLI and SPP Staff will perform a base case small signal study using DSATools SSAT to verify oscillatory frequencies and damping ratios identified in the prony analysis from task 4. Consultant and SPP Staff will determine machines and areas participating in identified inter-area oscillatory behavior of the SPP system. and will determine the impact severity and recommend necessary mitigations.

Deliverables: (Task 5)

A report of the study will be produced containing the following information:

- SSAT results
- Identified problematic machines in each identified severe oscillatory modes
- Oscillatory mode impacts
- Recommended mitigations

Task 6 proposal details.

Approach:

SPP staff will provide EPRI with all data and models (2018 Spring) required for a transient analysis to determine intra-area oscillatory behavior of the existing system due to interactions with inverter based generation near areas of concern. Multiple scenarios will be performed to capture possible topologies, and system stresses. EPRI will build the three-phase model from SPP provided data and perform the transient analysis using PSCAD or EMTP type program. EPRI will deliver the data and results in a final report as required.

Data Requirements:

The following data will be provided by SPP.

- Siemens PTI PSS/e power flow and short circuit models
- Dynamics data files, to include second generation wind models
- Relay fault clearing times
- Substation onelines
- Any applicable operating guides.

Deliverables: (Task 6)

A report of the model development and benchmarking results including the following:

- PSCAD or EMTP models
- Analysis results
- Load and generation levels
- Wind penetration levels
- Topologies studied
- Dynamic data
- Short circuit ratios
- Recommendations

Task 7 proposal details.

Approach:

Calculate the Short Circuit Ratio (SCR) at points of interconnection of existing inverter based generation within the SPP footprint. A combined SCR calculation method will be used where multiple inverter-based resource interconnections exist electrically close, according to the NERC “Integrating Inverter-Based Resources Into Weak Power Systems”, Reliability Guide, June 2017. Results will be compared to existing industry standards.

Data Requirements:

The following data will be provided by SPP.

- Siemens PTI PSS/e power flow and short circuit models (2018 Spring)
- Dynamics data files, to include second generation wind models
- Substation onelines
- Any applicable operating guides.

Deliverables: (Task 7)

A report of the model development and benchmarking results including the following:

- PSCAD or EMTP models
- Analysis results
- Load and generation levels
- Wind penetration levels
- Topologies studied
- Dynamic data
- Short circuit ratios
- Recommendations

BR Model Impact Discussions

Kelsey Allen

Model Issue

- In correcting of the wind dispatch from Scenario 0 levels to BR levels, area interchange was not properly adjusted
- Net effect
 - Additional wind is sinking to the host area (physical location), reducing internal generation
 - Areas intended to receive those transactions had to increase internal generation

Impact of Update to Needs

- Approximately 20 new criteria violations (monitored/contingent element pair)
 - 0 new monitored facilities
- Most thermal violation increases less than 2%
 - One monitored facility increased by 7%
- Most voltage violation decreases less than 0.01 p.u.
- Approximately 9 needs no longer valid

Options:

- **Option 1: Move forward as is and treat adjustments as model corrections, i.e. only invalidate needs**
 - Schedule Impact: None
- **Option 2: Consider loading differences on posted study needs, similar to 2017 ITPNT Supplemental Analysis**
 - a) Right size projects during the final reliability assessment
 - Schedule Impact: Minimal, back loaded
 - b) Adjust need values during the DPP window to be considered in for solution evaluation
 - Schedule Impact : Minimal, front loaded
- **Option 3: Post the new BR models, TWG review & approve new models and open new window**
 - a) At least a 2 week delay before opening a new window
 - Schedule Impact : Medium-High, not fully assessed

Motion (Option 2b)

- TWG supports staff's recommendation to move forward with Option 2b
 - Accommodate the update to the BR models in the current 2018 ITPNT schedule
 - Utilize the new ACCC results for evaluation of solutions and development of a portfolio
 - Post the new criteria violation information for stakeholders to consider during development of solutions during the current DPP window including identification of needs that are no longer valid by 1/12
 - TWG expresses concerns with modeling issues late in the ITPNT process