

Southwest Power Pool
MODEL DEVELOPMENT WORKING GROUP

January 7, 2010

9:00 a.m. – 12:00 p.m.

Net Conference

• M I N U T E S •

Agenda Item 1 - Administrative Items

The meeting was called to order at 9:03 a.m. The following Model Development Working Group (MDWG) members were in attendance:

Scott Rainbolt, Chair – American Electric Power (AEP)
Reené Miranda – Southwestern Public Service (SPS)
Dustin Betz – Nebraska Public Power District (NPPD)
Mo Awad – Westar Energy (WR)
Brian Wilson – Kansas City Power & Light (KCPL)
Mike Clifton – Oklahoma Gas & Electric (OGE)
Scott Schichtl – Arkansas Electric Cooperative (AECC)
John Boshears – City Utilities of Springfield (CUS)
Jason Shook – GDS Associates (GDS)

SPP Staff in attendance included Anthony Cook (Secretary), Doug Bowman, Scott Jordan, Bob Lux, Kevin Goolsby, Rachel Hulett, and Kelsey Allen.

The following guests were also in attendance:

Don Taylor – Westar Energy (WR)
Erick Kasalika – Westar Energy (WR)
Nate Morris – Empire District Electric (EDE)
Nathan McNeil – Midwest Energy (MIDW)
Ronda Redden – Westar Energy (WR)
Alan Burbach – Lincoln Electric System (LES)
John Mayhan – Omaha Public Power District (OPPD)
Doug Millner – Western Farmers Electric Cooperative (WFEC)
Racheal Ren – Kansas City Power & Light (KCPL)

Meeting Agenda

Jason Shook motioned to approve the agenda; Mo Awad seconded the motion. The motion passed with no opposition. (**Attachment 1 - MDWG Agenda 20100107.doc**)

Previous Meeting Minutes

Minutes from the November 17 and November 23 Net Conferences and the December 1-3, 2009 modeling meeting were brought forth for review. Mike Clifton motioned to approve the minutes from the previous meetings; Scott Schichtl seconded the motion. The motion passed with no opposition. (**Attachment 2 - MDWG Minutes**)

20091117.doc, Attachment 3 - MDWG Minutes 20091123.doc, Attachment 4 - MDWG Minutes 20091201.doc)

Agenda Item 2 – Organizational Group Survey Report

Anthony Cook started discussion on the 2009 Organizational Group Survey Report regarding the MDWG. He outlined the current scores and discussed the decline in overall effectiveness of the group over the last few years. Brian Wilson made note that although the overall effectiveness was low, the individual ratings were much higher, sparking comment by Don Taylor for the chair to query the group responsible for creating the report as to the reason for the differences. Doug Bowman volunteered to take this on as an action item.

Action Item: Staff will investigate the methods used to calculate the overall effectiveness of a working group as posted in the 2009 Organizational Group Survey Report. (Doug Bowman)

Anthony Cook continued discussion on the report citing specific comments made in the survey relating to posting of meeting materials and the start of meeting webinars. Staff has already begun to improve on these concerns and will make every effort to continue improvement. Kelsey Allen noted that SPP bylaws state meeting materials need be posted 7 days prior to a meeting, not 10 as mentioned in survey comments. Don Taylor suggested that 10 calendar days be adhered to simply as a courtesy to members.

Scott Rainbolt noted that members may voice additional concerns to him if desired.

Agenda Item 3 – MDWG 2010 Schedule:

Staff presented a new proposed schedule spanning through a 2011 series build 2 model set. The group discussed the schedule and the new format and decided more time was needed to review it in detail. Reené Miranda requested that staff add milestones and detail to the schedule outlining when and what member data is due during each pass. Don Taylor commented on the timing of scheduled updates and that an updated load forecast for Westar will not be submitted until the second build of models. Dustin Betz made note that not every company gets forecasts ready at the same time and thus we will never have a schedule that fits perfectly for all companies.

Agenda Item 4 – SPP Modeling Assignments:

Staff requested that the SPP Modeling Assignments proposal as provided in the background materials be approved by the group. Mo Awad motioned to approve the proposal, Reené Miranda seconded the motion. Dustin Betz requested corrections to the NPPD data, as did John Mayhan for OPPD. Staff corrected the proposal which was approved with no opposition. (**Attachment 5 - SPP Modeling Assignments_20100107.xls**)

The group then discussed a timeline for implementing the proposed changes to SPP modeling assignments. Due to the volume of changes being made, consensus was to implement changes to the zone and owner assignments during the 2010 Series Build 2 and changes to load ID's during the 2011 Series Build 1. Reené Miranda motioned to approve the timeline, Brian Wilson Seconded the motion. The motion passed with no opposition

Agenda Item 5 – MOD Training Discussion:

Staff informed the group that MOD version 7 would not be ready in time to hold training on the new software February 4 in Little Rock after the TWG meeting. Staff continued discussion on options and possible locations to hold training in the future. Mo Awad and Reené Miranda suggested Dallas as a possible location; John Boshears continuing with training in Little Rock. After discussion on different options in moving forward with both MOD 7 training and the use of the profile feature in MOD, it was decided to wait to make any arrangements until staff could gather more information on a proposal to have Siemens PTI provide training to both members and staff.

Action Item: Staff will contact Siemens PTI regarding details on in-house MOD training.

Agenda Item 6 – SPP Databank Update (Modeling Meeting): Lessons Learned:

Doug Bowman requested feedback from the group on the effectiveness of the December modeling meeting in Little Rock, looking for ways to improve the 2010 meeting. The general consensus was that the meeting went very well. Reené Miranda requested that staff post Pass 2 models a week before the meeting to give members enough time to review the set prior to coming to Little Rock. Dustin Betz requested that staff post models as soon as possible after the meeting for member review. This is related to the merging of the SPP data with MMWG data. Staff explained that this should be mitigated in the next series of models as the merging of data is scheduled to be complete prior to the modeling meeting.

Action Item: Staff will revise the proposed 2011 Series Model Building Schedule to reflect the request to allow more time for model review prior to the model building meeting in Little Rock. (SPP Staff)

Agenda Item 7 – SPP Modeling Improvements:

Proposal Update

Staff informed the group that it is still working on the Modeling Improvements proposal and that it will be presenting it to the Model Improvement Task Force. Scott Schichtl expressed concern that the MDWG was not going to be involved in changes to the modeling process. Staff explained that the proposal will be taken to the task force in order for that group to work out what it deems important and then take the necessary issues to the correct working groups.

Task Force Update

Staff informed the group that the Model Improvement Task Force currently has five members made up of representatives from the TWG and MDWG and that a kick-off meeting will be scheduled for sometime around the first week of February. Staff made note of the fact that with the five member volunteers, only three companies are being represented. The chair made one last request for additional volunteers from the MDWG to participate in the task force. Dustin Betz said that he would be interested but must first talk internally within his company before making a decision.

Agenda Item 8 – SPP ITP:

Trending for 20-Year Load Forecasting

Doug Bowman presented the load trends for 20-year load forecasting to the group. Scott Schichtl noted that AECC was not shown on the list. The forecasting was done by modeling area rather than company and his load is modeled within other areas. In preparing the data, staff looked at different options to forecasting the 20-year load projections and found that a linear approach fit best. Don Taylor suggested preparing different projections taking the nth root of the load over the planning horizon. John Mayhan suggested adding different projections in this type of approach and looking at only the far-term models. Dustin Betz requested more member involvement in coming up with the 20-year projections noting the different growth of certain load pockets which may not be captured in the current approaches. Don Taylor suggested that staff share the data with the ESWG once the group has verified the data.

Action Item: Staff will re-calculate the 20-year load projections for the ITP based on the different suggested methods and send out for member review. (Doug Bowman)

Action Item: Members verify the 20-year load projections for the ITP and respond by the end of January. (Modeling Contacts)

Action Item: Staff will share the 20-year load projections for the ITP with the ESWG chair. (Doug Bowman)

MDWG/Member Involvement

The group is still unsure about its involvement in the ITP process.

Action Item: Staff will talk to the ESWG secretary for more information about MDWG involvement in the ITP process. (SPP Staff)

Agenda Item 9 – 2010 Series Models:

Powerflow

Anthony Cook gave the group an update on the status of the powerflow models. Staff is currently working on completing the Pass 4 models and will post the set on Friday, January 15. Members will then have one week to review the Pass 4 models and send in any updates by January 22. Staff will then compile any updates and post the final set of 2010 Series B1 models on January 29.

Scott Rainbolt requested that the MDWG tie report be posted in addition to the docucheck and transaction workbook with the Pass 4 models.

Stability

Scott Jordan informed the group that SPP is in the final stages of getting a contract with the Dynamics Coordinator. Staff will wait to start gathering dynamics data and sending out requests to members until the final powerflow models are posted. Reené Miranda asked staff why the models are scheduled to be posted a month later than they were last year. Scott Jordan explained that upon looking into the schedule for last year it appeared that the final posted models were not the ones that were sent to the Dynamics Coordinator. This year we are going to wait until the final models are posted which pushes back the posting. The group requested an updated schedule for the 2010 Series Dynamics models.

Action Item: Staff will update the approved Dynamics schedule to reflect the delays of the powerflow models and send out to members. (Scott Jordan, Kelsey Allen)

Agenda Item 10 – Short Circuit Task Force:

Doug Bowman informed the group that the Short Circuit Task Force is working on finalizing the whitepaper and will send out a copy on Monday or Tuesday of next week. The group hopes to approve the whitepaper by January 15th. It was brought up that an update on the SCTF might be included as an informational item on the January 19th TWG agenda. SCTF members present in this meeting agreed to hold a conference call on January 18th to prepare for the TWG meeting and approve the whitepaper.

Action Item: Update the TWG chair on the status of the SCTF. (Scott Schichtl)

Agenda Item 11 - Closing Administrative Duties:

Next Meeting:

MDWG: January 25, 2010, 1:30 p.m. – 3:00 p.m.

SCTF: January 18, 2010.

Upcoming Meetings

TBD - MOD 7 and Profile Training

Summary of New Action Items

1. Staff will investigate the methods used to calculate the overall effectiveness of a working group as posted in the 2009 Organizational Group Survey Report. (Doug Bowman)
2. Staff will add milestones and more detail about member data to the new proposed model building schedule. (SPP Staff)
3. Staff will contact Siemens PTI regarding details on in-house MOD training. (Doug Bowman)

4. Staff will revise the proposed 2011 Series Model Building Schedule to reflect the request to allow more time for model review prior to the model building meeting in Little Rock. (SPP Staff)
5. Staff will re-calculate the 20-year load projections for the ITP based on the different suggested methods and send out for member review. (Doug Bowman)
6. Members verify the 20-year load projections for the ITP and respond by the end of January. (Modeling Contacts)
7. Staff will share the 20-year load projections for the ITP with the ESWG chair. (Doug Bowman)
8. Staff will talk to the ESWG secretary for more information about MDWG involvement in the ITP process. (SPP Staff)
9. Staff will update the approved Dynamics schedule to reflect the delays of the powerflow models and send out to members. (Scott Jordan, Kelsey Allen)
10. Update the TWG chair on the status of the SCTF. (Scott Schichtl)

(Attachment 6 - SPP MDWG Action Items 20100107.xls)

Adjourn Meeting

With no further items to discuss, the MDWG meeting was adjourned at 11:40 a.m.

Respectfully submitted,
Kelsey Allen
SPP Staff



**Southwest Power Pool
MODEL DEVELOPMENT WORKING GROUP
January 7, 2010
Net Conference
9:00 A.M. – 12:00 A.M.**

• A G E N D A •

- 1. AdministrativeScott Rainbolt
 - a. Call to order
 - b. Proxies
 - c. Approve agenda
 - d. Approve minutes of previous meetings
 - i. November 17, 2009
 - ii. November 23, 2009
 - iii. December 1, 2009
- 2. Organizational Group Survey Report SPP Staff
- 3. MDWG 2010 Schedule Kelsey Allen
- 4. SPP Modeling Assignments Kelsey Allen
- 5. MOD Training Discussion SPP Staff
- 6. SPP Databank Update (Modeling Meeting): Lessons Learned..... Doug Bowman
- 7. SPP Modeling Improvements Kelsey Allen
 - a. Proposal Update
 - b. Task Force Update
- 8. SPP ITP SPP Staff
 - a. Trending for 20-Year Load Forecasting (Doug Bowman)
 - b. MDWG/member involvement
- 9. 2010 Series Models SPP Staff
 - a. Powerflow (Anthony Cook)
 - b. Stability (Scott Jordan)
- 10. Short Circuit Task Force Doug Bowman
- 11. Closing Administrative Duties.....Scott Rainbolt
 - a. Next meeting
 - b. Upcoming meetings/Topics
 - c. Action items
 - d. Adjourn meeting



**Southwest Power Pool
MODEL DEVELOPMENT WORKING GROUP**

November 17, 2009

9:00 a.m. – 12:00 p.m.

Net Conference

• M I N U T E S •

Agenda Item 1 - Administrative Items

The meeting was called to order at 9:05 a.m. The following Model Development Working Group (MDWG) members were in attendance:

Scott Rainbolt, Chair – American Electric Power (AEP)
Reené Miranda – Southwestern Public Service (SPS)
Dustin Betz – Nebraska Public Power District (NPPD)
Mo Awad – Westar Energy (WR)
Brian Wilson – Kansas City Power & Light (KCPL)
Mike Clifton – Oklahoma Gas & Electric (OGE)
Scott Schichtl – Arkansas Electric Cooperative (AECC)
John Boshears – City Utilities of Springfield (CUS)
Jason Shook – GDS Associates (GDS)

SPP Staff in attendance included Anthony Cook (Secretary), Doug Bowman, Mak Nagle, Kevin Goolsby, and Kelsey Allen.

The following guests were also in attendance:

Nate Morris – Empire District Electric (EDE)
John Chamberlain – City Utilities of Springfield (CUS)
Nathan McNeil – Midwest Energy (MIDW)
Ronda Redden – Westar Energy (WR)
Dave Sargent – Southwestern Power Administration (SWPA)
Al Tamimi – Sunflower Electric Power Corporation (SEPC)
Doug Millner – Western Farmers Electric Cooperative (WFEC)
Alan Burbach – Lincoln Electric System (LES)
Chris Thibodeaux – Cleco (CLECO)
Travis Hyde – Oklahoma Gas & Electric (OKGE)
Julie Denton – City Power & Light, Independence (INDN)

Jason Shook motioned to approve the agenda; Mike Clifton seconded the motion. The motion passed with no opposition. (**Attachment 1 - MDWG Agenda 20091117.doc**)

Minutes from the August 6-7 meeting in Omaha, NE and the September 16 Webex were reviewed. Dustin Betz motioned to approve the previous minutes as amended; Brian Wilson seconded the motion. The motion passed with no opposition. (**Attachment 2 - MDWG Minutes 20090806.doc, Attachment 3 - MDWG Minutes 20090916.doc**)

Agenda Item 2 – Review of Past Action Items

Kelsey Allen reviewed the status of past action items with the group. There was no additional discussion. (**Attachment 4 - SPP MDWG Action Items 20090916.xls**)

Agenda Item 3 – Compliance Spreadsheet (Load Serving Entities):

The possibility of adding Load Serving Entities and other Registered Entities to the Compliance spreadsheet was discussed by the group. This was brought up due to discussion in the previous meeting in which members expressed concern of receiving inaccurate or no data from companies within their BA. SPP Staff referenced NERC MOD-010-0 Standard which states that only Transmission Owners, Transmission Planners, Generator Owners, and Resource Planners are eligible to be held to compliance by SPP. Reené Miranda stated that some of the Cooperatives within SPS do own transmission and could be held to this standard. Kevin Goolsby made note that in order for any Registered Entity to be held to compliance they must not only fall under MOD-010-0 but also be registered with NERC and be a member of SPP.

Agenda Item 4 – PSSE/Version 32 (MMWG Update):

Anthony Cook gave an update on the MMWG discussion of moving to PSS/E version 32. PTI does not yet have the MOD or PSS/MUST applications compatible with PSS/E version 32 but has set a goal to complete this by December 1, 2009. The MMWG decided to table their decision until their December 10 meeting, after these applications are scheduled to be compatible.

Action Item: Staff will send notice of the MMWG decision on PSS/E version 32 to the MDWG after the December 10 MMWG meeting. (Anthony Cook)

Agenda Item 5 – Web Based Power Flow Model Development Procedure Manual:

Comments and changes to the Web Based Power Flow Model Development Procedure Manual (MODWeb Manual) were discussed by the group. There were comments made about updating the MODWeb Manual to include newer version information and newer software, e.g. including the new MOD File Builder instead of CaseMgr. SPP Staff argued that not everyone, including staff, had moved to the new software but took note of the needed updates in the future.

Mo Awad motioned to approve the Web Based Power Flow Model Development Procedure Manual as amended; Reené Miranda seconded the motion. The Motion passed with no opposition. (**Attachment 5 – SPP MDWG MODWeb PF Manual_20091117.doc**)

Action Item: Staff will update the Web Based Power Flow Model Development Procedure Manual after MOD version 7 has been released and installed on the production server. (SPP Staff)

There was also discussion of moving to profiles within MOD. Face to face training on using the MOD profile feature had tentatively been scheduled for the December 1-3 meeting but was pushed to a later undefined date. The group suggested providing this as well as training on MOD version 7 in February, 2010 after the TWG meeting.

Action Item: Staff will discuss scheduling and details for holding a MDWG meeting and MOD training in conjunction with the February, 2010 TWG meeting. (SPP Staff)

Agenda Item 6 – Power Flow Model Development Procedure Manual:

Discussion of the comments and proposed changes to the Power Flow Model Development Procedure Manual continued but was not completed. The group agreed to hold a meeting Monday, November 23 to continue discussion and approve the manual.

Agenda Item 7 – Transformer Connection Codes:

Kelsey Allen started discussion on the errors with transformer connection codes once a model set is built. When reading raw data into PSS/E, the application seems to have two default options that are causing different errors in the final member data, the second being incorrect connection codes. The first error is created when PSS/E defaults the high side bus of a transformer to the “from” bus of that transformer and does not change the associated winding data. Mike Clifton pointed out that the second error occurs when sequence data is not read into PSS/E and thus defaults the transformer record to a Δ - Δ - Δ configuration.

Reené Miranda also pointed out that he had to model all transformers as 3-winding because MOD does not accept bus shunts for 2-winding transformers.

Action Item: Staff will talk to PTI to come up with a solution for the transformer errors and report back to the group in the December meeting. (SPP Staff)

Agenda Item 8 – SPP Engineering Modeling:

Mak Nagle gave a presentation on a staff proposed high-level approach to improving SPP Engineering Modeling (**Attachment 6 - SPPModeling_TWG_Nov09.ppt**). The presentation was developed in response to concern raised by the MOPC about the number of models being developed by the different SPP Engineering Planning groups and a lack of stakeholder input into some of the processes used by those groups. The TWG recommended forming a joint TWG/MDWG task force to work out the details of any proposed changes.

Scott Schichtl expressed concern about the way this proposal was brought to the members, stating that it should have been brought to the MDWG level first to come up with the details for such a proposal. Other members agreed. Dustin Betz reiterated concerns of both members and staff, stating that as a new member looking in, some of the SPP processes seem to be broken and need more stakeholder involvement. Mak Nagle stressed that this was developed as a high-level approach to address concerns at the MOPC and that staff is now looking to members for help in shaping and ironing out the details of any plan that SPP will move forward with.

After discussion, no one voiced concern over the general suggestions made by SPP staff but many held comment on any specific new approach until more details are worked out. Mak Nagle suggested staff present the SPP Modeling Improvement Proposal developed by the Technical Studies and Modeling group within SPP as a beginning for bringing some of the more detailed issues to the attention of the MDWG. Some of the items in this proposal have already been brought to the MDWG as separate items, such as the SPP Modeling Assignments proposal to improve uniformity and granularity in owner assignments and load modeling. Scott Rainbolt asked for volunteers to join the joint task force to be formed by the TWG/MDWG.

Action Item: Staff will include the SPP Modeling Improvement Proposal developed by SPP Technical Studies and Modeling staff on a future MDWG agenda. (Kelsey Allen)

Action Item: MDWG members interested in participating in the joint TWG/MDWG engineering modeling task force are to contact Scott Rainbolt. (MDWG Members)

Agenda Item 9 – Other:

No other items were discussed.

Agenda Item 10 - Closing Administrative Duties:

- i. Next meeting
 - a. Net Conference Call: November 23, 2009, 9:30 a.m. – 11:30 p.m.
- ii. Upcoming meetings
 - a. SPP Databank Update: December 1st – 3rd, 2009, Little Rock, AR
- iii. Summary of New Action Items
 - a. Staff will send notice of the MMWG decision on PSS/E version 32 to the MDWG after the December 10 MMWG meeting. (Anthony Cook)
 - b. Staff will update the Web Based Power Flow Model Development Procedure Manual after MOD version 7 has been released and installed on the production server. (SPP Staff)
 - c. Staff will discuss scheduling and details for holding a MDWG meeting and MOD training in conjunction with the February, 2010 TWG meeting. (SPP Staff)
 - d. Staff will talk to PTI to come up with a solution for the transformer errors and report back to the group in the December meeting. (SPP Staff)
 - e. Staff will include the SPP Modeling Improvement Proposal developed by SPP Technical Studies and Modeling staff on a future MDWG agenda. (Kelsey Allen)



- f. MDWG members interested in participating in the joint TWG/MDWG engineering modeling task force are to contact Scott Rainbolt. (MDWG Members)
- iv. Adjourn Meeting
 - a. With no further items to discuss, the MDWG meeting was adjourned at 12:05 p.m.

Respectfully submitted,
Kelsey Allen
SPP Staff



**Southwest Power Pool
MODEL DEVELOPMENT WORKING GROUP**

November 23, 2009

9:30 a.m. – 11:30 p.m.

Net Conference

• M I N U T E S •

Agenda Item 1 - Administrative Items

The meeting was called to order at 9:30 a.m. The following Model Development Working Group (MDWG) members were in attendance:

Scott Rainbolt, Chair – American Electric Power (AEP)
Reené Miranda – Southwestern Public Service (SPS)
Dustin Betz – Nebraska Public Power District (NPPD)
Mo Awad – Westar Energy (WR)
Brian Wilson – Kansas City Power & Light (KCPL)
Mike Clifton – Oklahoma Gas & Electric (OGE)
Scott Schichtl – Arkansas Electric Cooperative (AECC)
John Boshears – City Utilities of Springfield (CUS)
Jason Shook – GDS Associates (GDS)

SPP Staff in attendance included Anthony Cook (Secretary), Bob Lux, Eric Samson, and Kelsey Allen.

The following guests were also in attendance:

Nate Morris – Empire District Electric (EDE)
Nathan McNeil – Midwest Energy (MIDW)
Doug Millner – Western Farmers Electric Cooperative (WFEC)
John Allen – City Utilities of Springfield (CUS)
Tom Mayhan – Lincoln Electric System (LES)

The agenda (**Attachment 1 - MDWG Agenda 20091123.doc**) was reviewed and no changes were made.

Agenda Item 2 – Power Flow Model Development Procedure Manual:

The remaining comments and proposed changes to the SPP MDWG Power Flow Model Development Procedure Manual were reviewed and discussed by the group.

Action Item: Members submit typical transmission line data to staff by the end of the year in an effort to revise Section 6.A. of the manual. (MDWG Members)

Action Item: Staff send request to SPP members for submittal of typical transmission line data. (Kelsey Allen)

Action Item: Staff send request to modeling contacts for an update to the SPP MDWG Contact List and compile any changes made by members. (Kelsey Allen)

Action Item: Staff to post more flexible documents such as the contact list, yearly model set, and schedule on the SPP website and remove from the powerflow manual. (SPP Staff)

Mo Awad motioned to approve the manual as amended; Scott Schichtl seconded the motion. There was no discussion. The motion passed with no opposition.

The approved manual can be found on SPP's file sharing site.

Agenda Item 3 - Closing Administrative Duties:

- i. Action Items (**Attachment 2 – SPP MDWG Action Items 20091123.xls**)
 - a. Members submit typical transmission line data to staff by the end of the year in an effort to revise Section 6.A. of the manual. (MDWG Members)
 - b. Staff send request to SPP members for submittal of typical transmission line data. (Kelsey Allen)
 - c. Staff send request to modeling contacts for an update to the SPP MDWG Contact List and compile any changes made by members. (Kelsey Allen)
 - d. Staff to post more flexible documents such as the contact list, yearly model set, and schedule on the SPP website and remove from the powerflow manual. (SPP Staff)
- ii. Adjourn Meeting
 1. With no further items to discuss, the MDWG meeting was adjourned at 10:52 a.m.

Respectfully submitted,
Kelsey Allen
SPP Staff

**Southwest Power Pool
MODEL DEVELOPMENT WORKING GROUP**

December 1 - 3, 2009

SPP Chenal Office

Little Rock, AR

• M I N U T E S •

Administrative Items

The meeting was called to order on Tuesday, December 1 at 1:05 p.m. The following Model Development Working Group (MDWG) members were in attendance:

Scott Rainbolt, Chair – American Electric Power (AEP)
Reené Miranda – Southwestern Public Service (SPS)
Mo Awad – Westar Energy (WR)
Brian Wilson – Kansas City Power & Light (KCPL)
Mike Clifton – Oklahoma Gas & Electric (OGE)
Scott Schichtl – Arkansas Electric Cooperative (AECC)
John Boshears – City Utilities of Springfield (CUS)
Jason Shook – GDS Associates (GDS)

SPP Staff in attendance included Anthony Cook (Secretary), Doug Bowman, Scott Jordan, Charlton Hill, Charles Cheung, Harvey Scribner, Mak Nagle, and Kelsey Allen.

The following guests were also in attendance:

Ryan Einer – Oklahoma Gas & Electric (OGE)
Nate Morris – Empire District Electric (EDE)
Nathan McNeil – Midwest Energy (MIDW)
Doug Millner – Western Farmers Electric Cooperative (WFEC)
David Sargent – Southwestern Power Administration (SWPA)
Chris Thibodeaux – Cleco Power (CELE)

The agenda (**Attachment 1 - MDWG Agenda 20091201.doc**) was reviewed and no official changes were made.

Working Meeting:

Staff reviewed the list of goals for the meeting and briefly covered the issues that needed to be worked out. The MDWG members and SPP modeling contacts worked on coordination and submission of data to SPP for the Pass 3 data of the 2010 B1 model series. This included submission of MOD projects for topology, idevs for changes to load forecasts and generation dispatch, and any necessary updates to the Data Submittal Forms such as transaction changes. Staff was available for support in data

coordination and software training, and worked on verifying and merging member data submissions.

Other Items:

PSS/E Version Update:

Anthony Cook informed the group that the MMWG decided to continue using PSS/E version 30 instead of moving to version 32. SPP will now also continue to use version 30.

Upcoming Meetings:

The group will hold their next meeting on January 7, 2010. This is scheduled to review and vote on the SPP Modeling Assignments proposal tabled in the September 16, 2009 meeting and if approved, discuss a timeline for implementation of the proposed changes. The group also discussed holding a meeting February 4 – 5, 2010, after the TWG meeting as done the previous two years, for staff to provide training on using the profile feature in MOD and features of the newly released MOD version 7.

PTI Users' Group:

The MDWG chair encouraged all members to consider attending the PTI User's Group meetings in 2010 in order to provide support in moving forward with some of the suggestions that have been developed for improving the PTI software used by SPP.

Closing Administrative Duties:

- i. Action Items (**Attachment 2 – SPP MDWG Action Items 20091201.xls**)
No new action items were assigned.
- ii. Adjourn Meeting
Mo Awad motioned to adjourn the meeting. Reené Miranda seconded the motion. With no further items to discuss, the MDWG meeting was adjourned Thursday, December 3 at 1:10 p.m.

Respectfully submitted,
Kelsey Allen
SPP Staff

Current ranges and assignments										
Area #	Owner #	ID	Bus Range		# of Buses	Zone Range		# of Zones	# of Current Zones Used	Customer or Name
			From	To		From	To			
502	502	CELE	500000	501999	2000	1000	1049	50	9	
502	-	CELE								CELE FUTURE
503	503	LAPA	502400	502899	500	1060	1089	30	1	
504	504	LEPA	503300	503499	200	1100	1109	10	1	
505	505	ALEX								
507	507	RAYB								
508	508	NTEC								North Texas Electric Cooperative
509	509	SRTG								
511	511	AREC	503900	504899	1000	1120	1159	40	1	Arkansas Electric Cooperative
513	513	CLWL								
514	514	MEAM								
515	515	SWPA	505300	506299	1000	1170	1199	30	1	Southwestern Power Administration
515	522									ARKMO
515	529									ARKMO
515	530									ARKMO
515	532									ARKMO
515	533									ARKMO
515	535									ARKMO
515	537									ARKMO
515	538									
515	543									
515	-	SWPA								SWPA FUTURE
515	-	SWPA								SWPA FUTURE
520	520	AEPW	506700	512199	5500	1210	1259	50	27	American Electric Power
520	-									AEP (Bentonville)
520	-									City of Hope
520	-									East Texas Electric Cooperative (ETEC)
520	-									Tex-La Electric Cooperative of Texas
520	-	AEPW								AEPW FUTURE
520	-	AEPW								AEPW FUTURE
522	-	KAMO								
523	523	GRRD	512600	513599	1000	1270	1299	30	6	Grand River Dam Authority
523	-									Grand River Dam Authority (City of Lindsey in WFEC)
523	-									City of Coffeyville
523	-	GRRD								GRDA FUTURE
523	-	GRRD								GRDA FUTURE
524	524	OKGE	514000	519999	6000	1910	1949	40	9	Oklahoma Gas and Electric Company
Multiple Areas	-									AECI (City of Muldrow & Otee)
Multiple Areas	-									AECI (City of Muldrow & Otee)
Multiple Areas	-									AECI (Rossville)
524	-	OKGE								OKGE FUTURE
524	-	OKGE								OKGE FUTURE
525	525	WFEC	520400	522399	2000	1960	1989	30	17	Western Farmers Electric Cooperative
525	-									WFEC FUTURE
525	-	WFEC								WFEC FUTURE
526	526	SWPS	522800	528799	6000	1400	1449	50	10	Southwestern Public Service
526	-									
526	-									SPS Coops (Cap Rock, Central Valley, Farmers, Lea County & Roosevelt County)
526	-									SPS Coops (Cap Rock, Central Valley, Farmers, Lea County & Roosevelt County)
526	-									SPS Cities (Brownfield, Floydada & Tulla)
526	-									SPS Cities (Brownfield, Floydada & Tulla)
526	-									SPS Cities (Brownfield, Floydada & Tulla)
526	-									SPS Cities (Brownfield, Floydada & Tulla)
526	-									
526	-									SPS Coops (Cap Rock, Central Valley, Farmers, Lea County & Roosevelt County)
526	-									
526	-									City of Lubbock, TX (LPL)
526	-									
526	-									SPS Coops (Cap Rock, Central Valley, Farmers, Lea County & Roosevelt County)
526	-									
526	-									Southwestern Public Service Company Tri-County Cooperative
526	-									Golden Sponas Electric Cooperative
526	-									Customer Owned
526	-									SPS FUTURE
527	527	OMPA	529200	529999	800	1460	1489	30	2	Oklahoma Municipal Power Authority
531	531	MIDW	530400	530799	400	1500	1529	30	1	
Multiple Areas	550	KEPCO								Kansas Electric Power Cooperative
Multiple Areas	-	KPP								Kansas Power Pool
531	-	MIDW								MIDW FUTURE
534	534	SUNL	531200	532199	1000	1540	1569	30	8	Sunflower Electric Cooperative
Multiple Areas	550	KEPCO								Kansas Electric Power Cooperative
534	-	SUNL								SUNL FUTURE
536	536	WERE	532600	538599	6000	1580	1619	40	5	Westar
Multiple Areas	535	KPP								Kansas Power Pool (KPP) City of Fredonia
Multiple Areas	535	KPP								Kansas Power Pool (KPP) City of Iowa
Multiple Areas	535	KPP								Kansas Power Pool (KPP) City of Erie
Multiple Areas	535	KPP								City of Augusta
Multiple Areas	550	KEPCO								Kansas Electric Power Cooperative
536	-	WERE								WERE FUTURE
536	-	WERE								WERE FUTURE
537	-	SKKC								
539	539	MKEC	539000	539999	1000	1630	1659	30	1	Mid-Kansas Electric Cooperative
Multiple Areas	535	KPP								Kansas Power Pool (KPP) Cities of Attica and Kingman
Multiple Areas	535	KPP								Kansas Power Pool (KPP) Cities of Attica and Kingman
Multiple Areas	539	KMEAEAMP2								Kansas Municipal Energy Agency (pooling of Ashland, Beloit, Greensburg, Holsington, Lincoln Center, Osborne, Pratt, Rutledge, and Wray)
Multiple Areas	539	KMEAEAMP2								Kansas Municipal Energy Agency (pooling of Ashland, Beloit, Greensburg, Holsington, Lincoln Center, Osborne, Pratt, Rutledge, and Wray)
Multiple Areas	539	KMEAEAMP2								Kansas Municipal Energy Agency (pooling of Ashland, Beloit, Greensburg, Holsington, Lincoln Center, Osborne, Pratt, Rutledge, and Wray)
Multiple Areas	539	KMEAEAMP2								Kansas Municipal Energy Agency (pooling of Ashland, Beloit, Greensburg, Holsington, Lincoln Center, Osborne, Pratt, Rutledge, and Wray)
Multiple Areas	539	KMEAEAMP2								Kansas Municipal Energy Agency (pooling of Ashland, Beloit, Greensburg, Holsington, Lincoln Center, Osborne, Pratt, Rutledge, and Wray)
Multiple Areas	539	KMEAEAMP2								Kansas Municipal Energy Agency (pooling of Ashland, Beloit, Greensburg, Holsington, Lincoln Center, Osborne, Pratt, Rutledge, and Wray)
Multiple Areas	539	KMEAEAMP2								Kansas Municipal Energy Agency (pooling of Ashland, Beloit, Greensburg, Holsington, Lincoln Center, Osborne, Pratt, Rutledge, and Wray)
Multiple Areas	539	KMEAEAMP2								Kansas Municipal Energy Agency (pooling of Ashland, Beloit, Greensburg, Holsington, Lincoln Center, Osborne, Pratt, Rutledge, and Wray)
Multiple Areas	550	KEPCO								Kansas Electric Power Cooperative
539	-	WEPL								WEPL FUTURE
540	540	GMO	540400	542399	2000	1670	1699	30	2	Greater Missouri Operations
540	-									GMO FUTURE
540	-	GMO								GMO FUTURE
541	541	KCPL	542800	545799	3000	1710	1749	40	9	Kansas City Power and Light Company
Multiple Areas	550	KEPCO								Kansas Electric Power Cooperative
Multiple Areas	551	KMEAKACP								Kansas Municipal Energy Agency in Kansas City Power and Light Company
Multiple Areas	551	KMEAKACP								Kansas Municipal Energy Agency (pooling of Baldwin City, Gardner, Garnett, Osawatimie, and Ottawa in KCPL CA)
Multiple Areas	551	KMEAKACP								Kansas Municipal Energy Agency (pooling of Baldwin City, Gardner, Garnett, Osawatimie, and Ottawa in KCPL CA)
Multiple Areas	551	KMEAKACP								Kansas Municipal Energy Agency (pooling of Baldwin City, Gardner, Garnett, Osawatimie, and Ottawa in KCPL CA)
Multiple Areas	552	MOPEKACP								Kansas Municipal Energy Agency (pooling of Baldwin City, Gardner, Garnett, Osawatimie, and Ottawa in KCPL CA)
541	-	KCPL								KCPL FUTURE
541	-	KCPL								KCPL FUTURE
542	542	KACY	546200	546799	600	1760	1789	30	1	
544	544	EMDE	547200	548199	1000	1800	1829	30	10	Empire District Electric Company
Multiple Areas	550	KEPCO								Kansas Electric Power Cooperative
544	-	EMDE								EMDE FUTURE
545	545	INDN	548600	549099	500	1840	1869	30	8	
546	546	SPRM	549500	549999	500	1880	1909	30	1	City Utilities of Springfield
640	640	NPPD	640000	644999	5000	686	690	5		
Multiple Areas	641	MEAN								
Multiple Areas	642	GRIS								
Multiple Areas	659	BEPC								
Multiple Areas	652	WAPA								
640	-									NPPD FUTURE
640	-									NPPD FUTURE
645	645	OPPD	645000	649999	5000	691	695	5		
Multiple Areas	652	WAPA								
645	-	OPPD								OPPD FUTURE
645	-	OPPD								OPPD FUTURE
650	650	LES	650000	650999	1000	696	697	2		
650	-									LES FUTURE
998	998	ERCOT	590000	590999	9950	988	988	1	1	
999	999	WECC	599000	599999	50	999	999	1	1	
RESERVE	-	SPP	590000	599999	40000					SPP FUTURE

Load ID Description
First Character - Alphabetical character representing the company owning the load (may be left blank if unique by owner number)
Second Character - Alphanumeric character representing the load type

Load Type

- 0 Seasonal Firm, scaleable, not curtable
- 1 Seasonal Firm, scaleable, not curtable
- 2 Seasonal Firm, scaleable, not curtable
- 3 Seasonal Firm, scaleable, not curtable
- 4 Seasonal Firm, scaleable, not curtable
- 5 Seasonal Firm, scaleable, not curtable
- 6 Seasonal Firm, scaleable, not curtable
- 7 Seasonal Firm, scaleable, not curtable
- 8 Seasonal Firm, scaleable, not curtable
- 9 Seasonal Firm, scaleable, not curtable
- A Seasonal Interruptible, scaleable, curtable
- B Seasonal Interruptible, scaleable, curtable
- C Seasonal Interruptible, scaleable, curtable
- D Constant Firm, not scaleable, not curtable
- E Constant Firm, not scaleable, not curtable
- F Constant Firm, not scaleable, not curtable
- G Constant interruptible, not scaleable, curtable
- H Constant interruptible, not scaleable, curtable
- I Constant interruptible, not scaleable, curtable
- J Conditional, station service load
- K Conditional, station service load
- L Conditional, station service load
- M Transmission interruptible load
- N Transmission interruptible load
- O Transmission interruptible load

System	Proposed new or changed ranges and assignments				# of Buses	New Zone Range		# of Zones	Load Owner ID	OASIS Customer ID
	New Area #	New Owner #	From	To		From	To			
Central Louisiana Electric Company	-	-	-	-	-	500	511	12	-	-
PLACEHOLDER	-	501	-	-	-	-	-	-	-	-
Lafayette Utilities	-	-	-	-	-	512	514	3	-	-
Louisiana Energy and Power Authority	-	-	-	-	-	515	517	3	-	-
City of Alexandria	502	-	-	-	-	-	-	-	-	-
Rayburn County Electric Cooperative	520	-	-	-	-	-	-	-	-	-
North Texas Electric Cooperative	520	-	-	-	-	-	-	-	-	NTEC
Sam Rayburn O&T	520	-	-	-	-	-	-	-	-	-
Arkansas Electric Cooperative	Multiple Areas	511	-	-	-	518	520	3	A	AECC
City of Clarkdale	525	594	-	-	-	-	-	-	-	-
Municipal Energy Agency of Mississippi	-	-	-	-	-	-	-	-	-	-
Southwestern Power Administration	-	-	-	-	-	521	523	3	-	-
New Madrid	-	548	-	-	-	-	-	-	-	-
City of Paragould	515	549	-	-	-	-	-	-	-	-
City of Malden	-	551	-	-	-	-	-	-	-	-
City of Jonesboro	-	552	-	-	-	-	-	-	-	-
City of Piggott	-	553	-	-	-	-	-	-	-	-
City of Kennett	-	554	-	-	-	-	-	-	-	-
City of Poplar Bluff	-	555	-	-	-	-	-	-	-	-
City of Carthage	-	556	-	-	-	-	-	-	-	-
City of Tupelo	-	557	-	-	-	-	-	-	-	-
City of Nixa	-	558	-	-	-	-	-	-	-	-
PLACEHOLDER	-	560	-	-	-	-	-	-	-	-
PLACEHOLDER	-	561	-	-	-	-	-	-	-	-
American Electric Power	-	-	-	-	-	524	553	30	-	AEPM
Bentonville	-	516	-	-	-	-	-	-	-	AEPM
Hope	-	517	-	-	-	-	-	-	-	AEPM
East Texas Electric Cooperative (ETEC)	-	518	-	-	-	-	-	-	-	ETEC
Tex-La Electric Cooperative of Texas	-	519	-	-	-	-	-	-	-	TEXL
PLACEHOLDER	-	521	-	-	-	-	-	-	-	-
PLACEHOLDER	-	522	-	-	-	-	-	-	-	-
Karno Electric Cooperative	330	533	-	-	-	-	-	-	-	-
Grand River Dam Authority	-	564	-	-	-	554	562	9	-	GRDA
Grand River Dam Authority (City of Lindsey in WFEC)	-	564	-	-	-	-	-	-	-	GRDA
Coffeyville	-	565	-	-	-	-	-	-	-	CMLP
PLACEHOLDER	-	566	-	-	-	-	-	-	-	-
PLACEHOLDER	-	567	-	-	-	-	-	-	-	-
Oklahoma Gas and Electric Company	-	-	-	-	-	563	574	12	-	OKGE
Muldrow	-	330	-	-	-	-	-	-	-	APM
Otoe	-	330	-	-	-	-	-	-	-	APM
Rossville	-	330	-	-	-	-	-	-	-	APM
PLACEHOLDER	-	528	-	-	-	-	-	-	-	-
PLACEHOLDER	-	529	-	-	-	-	-	-	-	-
Western Farmers Electric Cooperative	-	-	-	-	-	575	594	20	-	WFEC
PLACEHOLDER	-	595	-	-	-	-	-	-	-	-
PLACEHOLDER	-	596	-	-	-	-	-	-	-	-
Southwestern Public Service	-	-	-	-	-	1500	1512	13	-	SPSM
Bailey County Electric Cooperative Association	-	800	-	-	-	-	-	-	-	-
Big Country Electric Cooperative, Inc.	-	801	-	-	-	-	-	-	-	-
Cap Rock Energy Corporation	-	802	-	-	-	-	-	-	-	SPSM
Central Valley REC	-	803	-	-	-	-	-	-	-	-
City of Brownfield	-	804	-	-	-	-	-	-	-	SPSM
City of Floydada	-	805	-	-	-	-	-	-	-	SPSM
City of Sulist	-	806	-	-	-	-	-	-	-	SPSM
Deaf Smith Electric Cooperative, Inc.	-	807	-	-	-	-	-	-	-	-
Farmers' Electric Cooperative, Inc.	-	808	-	-	-	-	-	-	-	-
Brenham Electric Cooperative, Inc.	-	809	-	-	-	-	-	-	-	-
Lamb County Electric Cooperative, Inc.	-	810	-	-	-	-	-	-	-	-
Lea Electric Cooperative	-	811	-	-	-	-	-	-	-	SPSM
Lighthouse Electric Cooperative, Inc.	-	812	-	-	-	-	-	-	-	-
Lubbock Power & Light	-	813	-	-	-	-	-	-	-	SPSM
Lynxgar Electric Cooperative, Inc.	-	814	-	-	-	-	-	-	-	-
North Plains Electric Cooperative, Inc.	-	815	-	-	-	-	-	-	-	-
Rita Blanca Electric Cooperative, Inc.	-	816	-	-	-	-	-	-	-	-
Roosevelt County Electric Cooperative, Inc.	-	817	-	-	-	-	-	-	-	SPSM
South Plains Electric Cooperative, Inc.	-	818	-	-	-	-	-	-	-	-
Swisher Electric Cooperative, Inc.	-	819	-	-	-	-	-	-	-	-
Tri-County Electric Cooperative, Inc.	-	820	-	-	-	-	-	-	-	SPSM
Golden Spread Electric Cooperative	-	821	-	-	-	-	-	-	-	GSEC
Customer Owned Facility	-	822	-	-	-	-	-	-	-	-
PLACEHOLDER	-	823	-	-	-	-	-	-	-	-
Oklahoma Municipal Power Authority	-	-	-	-	-	1513	1518	6	-	OMPA
Midwest Energy	-	-	-	-	-	1519	1521	3	-	MIDW
Kansas Electric Power Cooperative, Midwest Load	-	-	-	-	-	-	-	-	K	KEPC
PLACEHOLDER	-	530	-	-	-	-	-	-	-	-
PLACEHOLDER	-	532	-	-	-	-	-	-	-	-
Sunflower Electric Cooperative	-	-	-	-	-	1522	1532	11	-	SEPC
Kansas Electric Power Cooperative	-	-	-	-	-	-	-	-	K	KEPC
PLACEHOLDER	-	596	-	-	-	-	-	-	-	-
Weslar	-	-	-	-	-	1533	1540	8	-	WRGS
Fredonia	-	-	-	-	-	-	-	-	P	KPP
Iola	-	-	-	-	-	-	-	-	P	KPP
Erle	-	-	-	-	-	-	-	-	P	KPP
Augusta	-	-	-	-	-	-	-	-	P	AUGK
Kansas Electric Power Cooperative, Westar Load	-	-	-	-	-	-	-	-	K	KEPC
PLACEHOLDER	-	537	-	-	-	-	-	-	-	-
PLACEHOLDER	-	538	-	-	-	-	-	-	-	-
City of Sikeston, Missouri	515	559	-	-	-	-	-	-	-	-
West Plains Energy	-	-	-	-	-	1541	1543	3	-	SEPC
Atica	-	-	-	-	-	-	-	-	P	KPP
Kingman	-	-	-	-	-	-	-	-	P	KPP
Pathland	-	547	-	-	-	-	-	-	-	KMEA
Beloit	-	547	-	-	-	-	-	-	-	KMEA
Greensburg	-	547	-	-	-	-	-	-	-	KMEA
Holshon	-	547	-	-	-	-	-	-	-	KMEA
Lincoln Center	-	547	-	-	-	-	-	-	-	KMEA
Osborne	-	547	-	-	-	-	-	-	-	KMEA
Pratt	-	547	-	-	-	-	-	-	-	KMEA
Russell	-	547	-	-	-	-	-	-	-	KMEA
Stockton	-	547	-	-	-	-	-	-	-	KMEA
Washington	-	547	-	-	-	-	-	-	-	KMEA
Kansas Electric Power Cooperative	-	-	-	-	-	-	-	-	K	KEPC
PLACEHOLDER	-	588	-	-	-	-	-	-	-	-
PLACEHOLDER	-	589	-	-	-	-	-	-	-	-
Missouri Public Service Company	-	-	-	-	-	595	599	5	-	-
PLACEHOLDER	-	840	-	-	-	-	-	-	-	-
PLACEHOLDER	-	841	-	-	-	-	-	-	-	-
Kansas City Power and Light Company	-	-	-	-	-	1544	1555	12	-	KCPS
Kansas Electric Power Cooperative	-	-	-	-	-	-	-	-	K	KEPC
Kansas Municipal Energy Agency in Kansas City Power and Light	-	-	-	-	-	-	-	-	-	KMEA
Baldwin City	-	-	-	-	-	-	-	-	-	KMEA
Gardner	-	-	-	-	-	-	-	-	-	KMEA
Oswatimie	-	-	-	-	-	-	-	-	-	KMEA
Ottawa	-	-	-	-	-	-	-	-	-	KMEA
Missouri Public Energy Pool in Kansas City Power and Light	-	-	-	-	-	-	-	-	-	-
PLACEHOLDER	-	597	-	-	-	-	-	-	-	-
PLACEHOLDER	-	598	-	-	-	-	-	-	-	-
Board of Public Utilities	-	-	-	-	-	1556	1558	3	-	-
Empire District Electric Company	-	-	-	-	-	1559	1571	13	-	EDE
Kansas Electric Power Cooperative	-	-	-	-	-	-	-	-	K	KEPC
PLACEHOLDER	-	543	-	-	-	-	-	-	-	-
City of Independence	-	-	-	-	-	1572	1582	11	-	-
City Utilities of Springfield	-	-	-	-	-	1583	1585	3	-	SPRM
Nebraska Public Power District	580	580	550000	554999	5000	1586	1590	5	N	-
Municipal Energy Agency of Nebraska	-	581	-	-	-	-	-	-	E	-
Grand Island	-	582	-	-	-	-	-	-	F	-
Basin Electric	-	-	-	-	-	-	-	-	B	-
Wapa	-	583	-	-	-	-	-	-	W	-
Grand Island	-	584	-	-	-	-	-	-	F	-
Omaha Public Power District	585	585	555000	559999	5000	1591	1595	5	O	-
PLACEHOLDER	-	586	-	-	-	-	-	-	W	-
PLACEHOLDER	-	587	-	-	-	-	-	-	-	-
Lincoln Electric System, NE	590	590	560000	560999	1000	1596	1597	2	L	-
PLACEHOLDER	-	591	-	-	-	-	-	-	-	-
Electric Reliability Council of Texas	-	-	-	-	-	-	-	-	-	-
Western Electricity Coordinating Council	-	-	-	-	-	-	-	-	-	-
SPP RESERVE	-	-	561000	589999	29000	-	-	-	-	-

Action Item	Responsible Parties	Date Originated	Progress	Notes
Ask SPP Operations to derive the average coincident peak value for SPP System during the 4 month summer	Harvey Scribner	?	Incomplete	
SPP Staff will add the NERC TPL (Transmission Planning) and MOD (Modeling, Data, and Analysis) Standards that are applicable to each required item in the SPP Compliance Template Form	Anthony Cook	8/7/2009	In Progress	
Members are to ensure that all generation conform to the Remote Generation Modeling Procedure beginning with the second build of the 2010 Model Series	Modeling Contacts	8/7/2009	In Progress	
Staff will add a member editing process to the Master Tie Line Procedure	Anthony Cook	9/16/2009	In Progress	
Staff will determine a deadline for enforcing NE short circuit compliance once the Short Circuit Task Force has an approved schedule for producing a short circuit model	Anthony Cook	9/16/2009	In Progress	
Staff will add MOD project names to the generator Workbook	Anthony Cook	9/16/2009	In Progress	
Staff will add a member editing process for the SPP Data Submittal Form to the MDWG Powerflow Manual	Anthony Cook	9/16/2009	In Progress	