



Southwest Power Pool, Inc.
OPERATING RELIABILITY WORKING GROUP
Tulsa, OK Face to Face
Wednesday April 4th 2018 8:00 AM – 5:00 PM (CDT)
Thursday April 5th 2018 8:00 AM – 12:00 PM (CDT)

• Action Items and Voting Record •

Action Item: MWG shall review and revise section 4.1.3 for inconsistencies.

Consent Agenda Items: March 1, 2018 ORWG meeting minutes

Ron Gunderson (Nebraska Public Power District) moved to approve the consent agenda, and Jeff Wells (Grand River Dam Authority River) seconded the motion. The motion carried without opposition or abstention.

RR177 Remove Reference to NERC Standards

Jeff Wells (Grand River Dam Authority River) moved to approve RR177 Remove Reference to NERC Standards as amended, and Chris Shaffer (American Electric Power) seconded the motion. The motion carried without opposition or abstention.

DLR update with Impact assessment

Jeff Wells (Grand River Dam Authority River) moved to endorse the proposed implementation for functionality to receive real-time ratings via ICCP, and for SPP staff to work with the vendor based on the cost estimation presented. Chris Shaffer (American Electric Power) seconded the motion, and the motion carried without opposition or abstention.



Southwest Power Pool, Inc.
OPERATING RELIABILITY WORKING GROUP
Tulsa, OK Face to Face
Wednesday April 4th 2018 8:00 AM – 5:00 PM (CDT)
Thursday April 5th 2018 8:00 AM – 12:00 PM (CDT)

• M I N U T E S •

Agenda Item 1 – Call to Order

Chairman Allen Klassen (Westar Energy, Inc.) opened the meeting at 8:00 AM on 4/04/2018.

Agenda Item 2 – Attendance

Jason Tanner (Southwest Power Pool) called attendance and a meeting quorum was reached.

Agenda Item 3 – Antitrust Statement

Jason Tanner (Southwest Power Pool) read the SPP Antitrust Statement, and explained that the Cooperate Governance Committee (CGC) is now requiring all SPP working groups to begin with a reading of the SPP Antitrust Statement. Richard Ross (American Electric Power) stated that SPP Legal should rethink the statement since the first sentence should cover SPP concerns.

Agenda Item 4 – Agenda Review

Allen Klassen (Westar Energy, Inc.) reviewed the agenda and noted the items that would require action.

Agenda Item 5 – Consent Agenda

Allen Klassen (Westar Energy, Inc.) discussed the consent agenda, which included the March 1, 2018 ORWG meeting minutes.

Ron Gunderson (Nebraska Public Power District) moved to approve the consent agenda, and Jeff Wells (Grand River Dam Authority River) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 6 – RR177 Remove Reference to NERC Standards

Erin Cathey (Southwest Power Pool) discussed RR177 and explained that SPP received feedback from Market Participants some references to NERC Standards in the Market Protocols and Tariff creates confusion regarding whether or not entities are performing obligations for market reasons or NERC standard reasons. Erin explained that other changes were due to a periodic review of the documents and staff determination that some of the references are either unnecessary or duplicative of a standing NERC requirement. Erin explained that this revision request would eliminate the confusion and redundant references. Ron Gunderson (Nebraska Public Power District) suggested that we leave the ramp sharing language in section 4.1.6, and after discussing the ORWG decided to leave the language deleted. The ORWG modified the RR by deleting the first sentence in 4.4.3.5. Erin discussed the operating reserve definition and Ron stated the definition is not consistent with 4.1.3. Richard Ross (American Electric Power) stated that MWG would take an action item to review and revise section 4.1.3 for inconsistencies.

Action Item: MWG shall review and revise section 4.1.3 for inconsistencies.

Jeff Wells (Grand River Dam Authority River) moved to approve RR177 Remove Reference to NERC Standards as amended, and Chris Shaffer (American Electric Power) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 7 – Genscape Dynamic Line Rating Pilot Project

Nathan Pinney (Genscape) discussed the Genscape Siloam Springs project. Nathan stated that the project is a Non-operational pilot study for potential Dynamic Line Ratings (DLR) integration. Nathan stated that monitoring for the project began on February 3, 2018 and is ongoing. Nathan explained that Siloam Springs-West Siloam Spring 161kV is a double-bundle 397.0 kcmil “Ibis” ACSR that was ideal for proof of concept testing due to its short distance of 2.1 miles. Kyle McMenamin (Xcel Energy) asked how do you determine which span to place the equipment. Nathan explained unless the topology is unique then the equipment can be installed on any span. Nathan explained when you have changing topologies such as different elevations, additional monitors would be needed. Nathan explained the charts and stated that the line monitoring is still ongoing, however the preliminary results suggest that DLRs could eliminate thermal constraints on the conductor over 95 percent of the time.

Agenda Item 8 – DLR update with Impact assessment

Garrett Crowson (Southwest Power Pool) explained that the aim of Dynamic Line Ratings (DLR) is to safely utilize existing transmission capacity, which may currently not be available based on the provided static rating. Garrett explained that DLRs are not being discussed as a substitute for grid development, but a complementary method of utilizing existing infrastructure. Garrett explained that DLRs could be used for congestion relief, and economic savings. Garrett explained that SPP would not be calculating the ratings, but developing the necessary systems to support receiving and applying the ratings provided by the TOP. Chris Shaffer (American Electric Power) explained how AEP uses DLRs with PJM, and Garrett explained that between TOPs a wide variety of measurements may be used, such as weather related or even physical real time measurements such as tension and sag. Garrett explained the execution plan and vendor cost estimation and stated that the \$89,760 is within EMS enhancement budget. Garrett stated that he is looking for ORWG to endorse the proposed implementation of the vendor application.

Jeff Wells (Grand River Dam Authority River) moved to endorse the proposed implementation for functionality to receive real-time ratings via ICCP, and for SPP staff to work with the vendor based on the cost estimation presented. Chris Shaffer (American Electric Power) seconded the motion, and the motion carried without opposition or abstention.

Agenda Item 9 – CR Calculations

Garrett Crowson (Southwest Power Pool) stated that SPP looking into exploring possible changes to the contingency reserve requirements. Garrett stated that we are looking into the current requirements because the system is changing. Garrett stated that new possible MSSC resource types such as inverter based resources could present new challenges for the current contingency reserve requirements. Garrett explained that the current requirement is set based on most severe single contingency (MSSC) + (Next MSSC * 0.5). Garrett explained that the MSSC has always been nameplate of thermal based resources, and the requirement is currently set one time daily around ~ 1600 MWs. Garrett stated that if we include inverter based resources into current calculation moving forward, requirement could reach around 2600 MWs using Wind Catcher at 2000 MWs as the MSSC and Wolf Creek 1200 MWs as the next MSSC. Garrett stated that we are looking to move from daily requirement to hourly requirement to improve accuracy. Ron Gunderson (Nebraska Public Power District) stated that he would like SPP to look at how the reliability risk for large single contingencies in the GI process are assessed.

Agenda Item 10 – IROL Guideline and Framework

Shannon Mickens (Southwest Power Pool) explained the methods for establishing IROLs white paper. Shannon stated that the establishment and communication of System Operating Limits (SOL) and Interconnection Reliability Operating Limits (IROLs) are addressed in FAC-010-3, FAC-011-3, and FAC-014-2. Shannon stated that these standards have remained unchanged since inception and that a NERC Standards Drafting Team (SDT) was formed in 2015 to revise the standards and address recommendations from a periodic review. Shannon stated that the NERC Standards Committee (SC) requested technical assistance from the NERC Operating Committee and Planning Committee to assess the impact that instabilities can have on BPS reliability. Shannon stated that the group was also tasked with Identify technically sound methodologies for use in establishing IROLs to address different types of instabilities, and to evaluate the reliability impacts, if any, resulting from use of different methods to establish IROLs across North America. Shannon also discussed the ongoing activities at the Standards Committee and the Technical Committee.

Agenda Item 11 – ICCP GMD Alert Update

Tim Miller (Southwest Power Pool) discussed the GMD notices and stated that the ICCP notification in lieu of satellite phone calls was proposed in 2017. Tim stated that the ICCP points have been in place since late 2017, and some members have tested these points Tim stated that the points are available to all and documented in ICCP Handbook. Tim stated that SPP staff are ready to stop satellite phone calls and move to the new process that relies on these points. Todd Gosnell (Omaha Public Power District) stated that the new points are not working, and Tim stated that his team would work to determine the issue. Ron Gunderson (Nebraska Public Power District) suggest that we define a date to begin using the new data points. Tim stated that once we determine the issues experienced with OPPD we could set a target date.

Agenda Item 12 – ICCP event/Power Outage

Tim Miller (Southwest Power Pool) stated that in March 2018 SPP had three separate events that impacted communications between SPP and the members. Tim stated that SPP had a power event impacting network switch on 3/4/2018, power event impacting Chenal ODC on 3/6/2018, and a network maintenance impacting the Marketplace Portal access on 3/12/2018. Tim discussed the SPP system architecture and stated that SPP operates out of two sites Chenal and Maumelle. Tim stated that both sites have redundant systems and are staffed 24x7. Both sites are connected to each another and the systems are stretched across that connection to ensure site, server, hardware, software and network redundancy. Tim stated that SPPs primary ICCP and secondary ICCP also connect over redundant networks to each site. Tim reviewed the lessons learned and stated that SPP needs better and more frequent communication to our Members (TO's, TOP's, GOP's) during these events. Tim stated that an increased awareness is needed by SPP System Operations during events to understand what set points MPs are seeing.

Agenda Item 13 – 1/17 Operations Event

Kathryn Dial (Southwest Power Pool) discussed the January 17, 2018 operations event and explained that the central and southern US experienced abnormally cold weather that caused record winter loading for SPP and MISO South. Kathryn stated that most of the central southern US minimum temperatures 15 to 20 degrees below normal, and explained that SPP experienced high wind transfers, transmission SOL exceedances, and heavy North to South transfers of MISO flow across SPP transmission. Kathryn reviewed the logs and provided a summary of the events. Casey Cathey (Southwest Power Pool) discussed the MISO 3000MW limit and stated that MISO needs to be more transparent and have a lessons learned. Casey explained that MISO has 1000MW of firm transfer capability via contract path. They have up to 3000MW of non-firm as-available transmission service in the Regional Directional Transfer Limit (RDTL) agreement. Casey explained that MISO exceeded the

3000MW limit over 6 hours without explicit permission. Ron Gunderson (Nebraska Public Power District) stated that the event should be taken up with FERC and possibly NERC. Kathryn reviewed the lessons learned from the event and stated that SPP should have additional staff readily available on an as needed basis during extreme weather conditions. Clear communication of alerts and assistance requests should be encouraged by all RCs. Kathryn stated that a heightened communication amongst neighboring RCs of load forecast and RDTL flow between MISO North and MISO South during extreme events should occur. Kathryn stated that we should ensure that RDT flows above 1000 MW Firm do not diminish system reliability and work with MISO to help them return RDT to acceptable levels during extreme events. Casey stated that follow up discussions will be necessary, and that staff will return to ORWG for continued updates regarding the 1/17 event.

Agenda Item 14 – Power Swing Update

William Ragsdale (Southwest Power Pool) discussed the Cooper South oscillations and explained the implementation of the enhanced shadow price override on north MISO RTO swing related flowgates. William stated that Neosho – Riverton 161kV ftlo Neosho – Blackberry 345Kv had been implemented since 1/4/2018, Cooper - St. Joe 345 kV ftlo Fairport 345/161 kV was effective 1/17/2018, Ft Smith 345/161kV ftlo Ft Smith 345/500kV was effective 1/19/2018, and Nashua 345/161 kV XFMR ftlo latan - Stranger 345 kV Line was effective 2/1/2018. William stated to increase awareness SPP Operations receives alert email for swings that are 150MW or greater on Cooper South. William stated that a display for SPP Operations is available, and a safe operating mode option with MISO to manually mitigate MISO market swings on newly found or existing swinging flowgates is available. William stated that SPP and MISO may agree to implement MISO RTO Reverse Role, where MISO will control to total physical flow and SPP will control to market flow. William also stated that instead of jumping right in to reverse on FG 5566, a duplicate FG may be used to control in role reversal mode.

Agenda Item 15 – PMU Placement Study Update

Michael Nugent (Southwest Power Pool) explained the purpose of the PMU placement study and stated that it was to identify optimal locations in the SPP footprint for potential future PMU installations. Michael stated that it met the needs of planned PMU use cases, such as oscillation monitoring, wide-area visibility, and model validation. Michael stated that the study established a system that ranks substations by their relative importance in the network model, based on key factors. Michael stated that the study was also used to work with TO's to evaluate PMU readiness of highly-ranked substations. Michael explained the recommendations to leverage existing planned substation work by evaluating existing device capabilities, the cost-effectiveness of new PMU installations, and communications capabilities. Michael explained that SPP staff will securely distribute the Placement Study results spreadsheet, which lists substation rankings, and TO's can validate the placement results for their area. Michael stated that TO's can provide feedback which will be incorporated into a modified final ranking for stations ranked greater than or equal to 10 with existing or planned communications infrastructure, PMU-capable devices, PRC002-2 DDR device, PRC002-2 DFR device. Michael also explained the RR162 potential locations, and the PMU estimated network bandwidth.

Agenda Item 16 – VSAT Status Update

Will Tootle (Southwest Power Pool) showed an example of a VSAT report that SPP will provide to the Globalscape site. Will explained each column and stated that the limit column can be adjusted, and in VSAT we will be able to apply the appendix OP-3 criteria defined for voltage stability control. Will explained the loading, location, and voltage columns, and will explained the different limit reasons, and the limit CTG column.

Agenda Item 17 – Lebrock Tripping Scheme SPCWG

Jason Tanner (Southwest Power Pool) provided a history of the Lebrock tripping scheme. Jason stated that he has been working with Rick Gurley (American Electric Power) to help gain a common opinion between the SPCWG and ORWG concerning if the Lebrock Tripping scheme is a remedial action scheme or not. Jason stated that he invited the SPCWG members to participate at ORWG for this topic and introduced SPCWG Secretary Doug Bowman (Southwest Power Pool) who call roll. Rick discussed the onelines the RAS definition, and the exceptions. It was determined by ORWG members that it is up to AEP to make a determination if the Lebrock tripping scheme is a RAS or not. The opinion of ORWG was that the scheme was indeed a RAS, however ORWG made clear that it could not overrule NERC if it passed the group as a tripping scheme when NERC determines it to be a RAS.

Agenda Item 18 – Generation Retirement Process update

Jon Langford (Southwest Power Pool) explained the current generation retirement process and stated the requirement process currently states that notification must be provided no less than 6 months prior to the proposed retirement date. Jon stated that we perform analysis as needed, but SPP does not require generators to stay on line due to reliability issues caused by the retirement. Jon stated that ORWG unanimously endorsed the need to have a generation retirement plan due to the possibility of reliability issues. Jon stated that around the same time, a member asked MOPC to address Generation Retirement, so they created Action Item 282, and assigned it to ORWG and TWG. Jon stated that the Action item now includes a ‘proof of concept’ to be presented to July MOPC. Jon stated he is expecting an RR will be developed and introduced to most working groups. Jon explained the proposed concept and stated that the generation retirement notification remains as no less than 6 month notification. Jon stated that the generation retirement study perform will be as needed. Jon stated that only a small percentage around 10% of generation retirements would cause reliability issues based on location, seasonal use, and other factors. Jon explained the MMU study as completely independent of SPP, the MMU will study the Going Forward Cost of the generator to determine if the retirement is advantageous. They will act independently if necessary. Jon explained the transmission upgrade cost allocation and stated if upgrades are needed before the generator can retire, we will allocate costs accordingly. Jon also stated that if reliability issues are found and can’t be mitigated quickly, SPP may ask the generator to stay online until reliability issues are mitigated. Jon stated that the cost will charged through the market.

Agenda Item 19 – ORWG and SPP Supporting Staff

Jason Tanner (Southwest Power Pool) provided an org chart of SPP supporting staff, and explained the functions of each group. Jason asked the ORWG for feedback regarding staff performance, and ask if they saw any additional changes to incorporate. Casey Cathey (Southwest Power Pool) explained that each voting member’s seat is the individuals seat not the company’s seat. Jason discussed voting and stated that when we vote we should make sure our votes are strictly for reliability and not for other non-reliability reasons.

Agenda Item 20 – ORWG Charter Qualifications Review

Jason Tanner (Southwest Power Pool) reviewed the submitted qualification statements. The ORWG made changes to the charter and determined that it would be best to continue working to the document offline and return to ORWG with a more finalized version.

Agenda Item 21 – IBIS Update

Jason Tanner (Southwest Power Pool) provided an update to the Inverter-based Generation Integration Study (IBIS). Jason stated that the outage have been applied and the models have been dispatched. Jason stated that we are working to begin tuning the models and will begin performing a fast fault screening. Jason stated that he is working to set up a Genscape site for the members to work in parallel with SPP and the consultants. Jason stated that we are planning to have the models in both PSSE and PLI formats. Jason stated that he is also planning to set up weekly meetings between the members and consults for progress updates and feedback. Jason stated in order to access the models NDAs will be required.

Agenda Item 22 – Remedial Action Scheme Criteria

Jason Tanner (Southwest Power Pool) and Kirk Hall (Southwest Power Pool) discussed the changes made by the TWG. The ORWG recommended that staff create a revision request with the proposed changes in the white paper. Jason Tanner asked the group where the new criteria should land, and the group determined that planning criteria would be the appropriate location. Kirk stated that he would work to develop the document into a revision request.

Agenda Item 23 – MWTG Update

Casey Cathey (Southwest Power Pool) discussed a list of potential documents that would likely need modifications. Ron Gunderson (Nebraska Public Power District) stated that he thinks the schedule is aggressive, and Casey stated that may be correct but our goal is to begin staging the necessary changes and to identify items not yet thought of. Casey stated ORWG has three face to face meetings this summer that were specifically added for the MWTG project. Casey stated that SPP has a MWTG website with additional information, and the link is provided in the meeting materials.

Other Items:

Agenda Item 24 – ORWG Member Topic List

Jason Tanner (Southwest Power Pool) reviewed the ORWG Member topic list, and three items were added Update to the RDS project HAA, ICCP data sharing, and Reliability Communication Tool Update.

Action Item Review:

Agenda Item 25 – Review of Open and Closure Pending Actions

The action item list was provide in the meeting material packet.

Agenda Item 26 – New Action Items

Jason Tanner (Southwest Power Pool) reviewed the new action items with the ORWG.

Agenda Item 27 – General Q&A/Open Forum

Agenda Item 28 – Meeting Schedule

- a. 5/3/2018 WebEx (Thurs) 0830-1200
- b. 5/30 – 5/31/2018 Face-to-Face (Little Rock)(SPP) - CONFIRMED
- c. 6/27 – 6/28/2018 Face-to-Face (Denver, CO) (Tri State) – CONFIRMED

Relationship-Based • Member-Driven • Independence Through Diversity

Evolutionary vs. Revolutionary • Reliability & Economics Inseparable



- d. 8/1 - 8/2/2018 Face-to-Face (Denver, CO) (Tri State) - CONFIRMED
- e. 9/6/2018 WebEx (Thurs) 0830-1200
- f. 10/3 – 10/4/2018 Face-to-Face (Little Rock, AR) (SPP) – CONFIRMED
- g. 11/1/2018 WebEx (Thurs) 0830-1200
- h. 12/6/2018 WebEx (Thurs) 0830-1200

Agenda Item 29 – Adjournment

Chairman Allen Klassen (Westar Energy, Inc.) adjourned the ORWG at 5:02 PM (EDT) on 4/04/2018.

Chairman Allen Klassen (Westar Energy, Inc.) adjourned the ORWG at 11:38 PM (EDT) on 4/05/2018.

Respectfully Submitted,
Jason Tanner, Secretary



**Operating Reliability Working Group
Meeting Attendance: 4/4/2018
M=Member, G=Guest, S=SPP Staff, P= Proxy**



Day 1	Day 2		Name	Status	Company
x	x	1	Allen Klassen, Chairman	M	Westar Energy
x	x	2	Ron Gunderson, Vice Chairman	M	Nebraska Public Power District
x	x	3	Jim Useldinger	M	South Central MCN
x	x	4	Gary Plummer	M	City of Independence, MO
x	x	5	Kyle McMenamin	M	Xcel Energy
x	x	6	Laurie Gregg	M	Lincoln Electric System
x	x	7	Allan George	M	Sunflower Electric Power Corporation
x	x	8	Jeff Wells	M	Grand River Dam Authority
x	x	9	Todd Gosnell	M	Omaha Public Power District
x	x	10	Bryn Wilson	M	Oklahoma Gas and Electric Co.
x	x	11	Chris Shaffer	M	American Electric Power
x	x	12	David Pham	M	Empire District Electric Company
x	x	13	Matthew Stoltz	M	Basin Electric Power Cooperative
x	x	14	Chance Myers	M	Western Farmers Electric Cooperative
p	p	15	Craig Speidel	M	Western Area Power Administration
x	x	16	Abu Elteriefi	M	ITC Holdings
p	x	17	Jay Patel	M	Kansas City Power & Light
x	x	18	Mark Eastwood	M	City Utilities of Springfield
x	x	19	Keith Carman	M	Tri-State G&T
x		20	Jason Weil Proxy for Jay Patel	P	Kansas City Power & Light
x	x	21	Chris Bultsma Proxy for Craig Speidel	G	Western Area Power Administration
	x	22	David Brown	G	Kamopower
	x	23	Jake Burger	G	Nebraska Public Power District
	x	24	Michael Fleck	G	ITC Holdings
x		25	John Stephens	G	City Utilities of Springfield
x		26	Jeff Knottek	G	City Utilities of Springfield
x	x	27	John Allen	G	City Utilities of Springfield
x		28	John Boshears	G	City Utilities of Springfield
x	x	29	Kevin Foflygen	G	City Utilities of Springfield
x		30	Scott Williams	G	City Utilities of Springfield
x		31	Rick Gurley	G	American Electric Power
x		32	JJ Guo	G	American Electric Power
x		33	Kent Feliks	G	American Electric Power
x		34	Richard Ross	G	American Electric Power
x	x	35	Louis Guidry	G	Cleco
x	x	36	Mike Shultz	G	Colorado Springs Utilities
x	x	37	Andrew Ridley	G	Grand River Dam Authority
x	x	38	Allie Gavin	G	ITC Holdings
x	x	39	Charles Shue	G	ITC Holdings
x	x	40	Stephanie Burns	G	ITC Holdings
x		41	Harold Wyble	G	Kansas City Power & Light
x		42	Kayleigh Wilkerson	G	Lincoln Electric System
x		43	Eric Ruskamp	G	Lincoln Electric System
x		44	Tony Eddleman	G	Nebraska Public Power District
	x	45	Luis Zaragoza	G	Pattern Energy
x	x	46	Arevalo Hermes	G	Oklahoma Gas and Electric Co.
x	x	47	Don Hargrove	G	Oklahoma Gas and Electric Co.
x		48	Ashley Stringer	G	Oklahoma Municipal Power Authority
x		49	Ellen Watkins	G	Sunflower Electric Power Corporation
x		50	Mathew Thykkuttathil	G	Sunflower Electric Power Corporation
x	x	51	Marc Gomez	G	Southwestern Power Administration
x	x	52	Diane Glessner	G	Western Area Power Administration
x	x	53	Frank Li	G	Western Area Power Administration
x		54	Mark Buchholz	G	Western Area Power Administration
x	x	55	Ben Hammer	G	Western Area Power Administration

x		56	Bo Jones	G	Westar Energy
x		57	John Anderson	G	Westar Energy
x		58	Forrest Brock	G	Western Farmers Electric Cooperative
x		59	Thomas Maldonado	G	Xcel Energy
x		60	Nathan Pinney	G	Genscape
x	x	61	Baryaley Sharwani	G	Western Area Power Administration
x		62	Tanner New	G	Sunflower Electric Power Corporation
x	x	63	Kevin Ma	G	Oklahoma Gas and Electric Co.
x	x	64	Neal Faltys	G	Omaha Public Power District
x	x	65	Keeth Works	G	Southwestern Power Administration
x	x	66	Steve Gaw	G	The Wind Coalition
x	x	67	Chris Lyons	G	Customized Energy Solutions
x	x	68	Tom Mayhan	G	Omaha Public Power District
x	x	69	Ryan Kirk	G	American Electric Power
	x	70	Ashley Gray	S	Southwest Power Pool
	x	71	Kevin Sanson	S	Southwest Power Pool
	x	72	Kirk Hall	S	Southwest Power Pool
	x	73	Jon Langford	S	Southwest Power Pool
x		74	Ben Lopata	S	Southwest Power Pool
x		75	Brad Johnston	S	Southwest Power Pool
x		76	Bryan Wood	S	Southwest Power Pool
x		77	Casey Cathey	S	Southwest Power Pool
x	x	78	Cody Parker	S	Southwest Power Pool
x	x	79	Derek Hawkins	S	Southwest Power Pool
x		80	Doug Bowman	S	Southwest Power Pool
x		81	Erin Cathey	S	Southwest Power Pool
x	x	82	Garrett Crowson	S	Southwest Power Pool
x		83	Gerardo Ugalde	S	Southwest Power Pool
x		84	Hagen Boehmer	S	Southwest Power Pool
x	x	85	Jason Tanner	S	Southwest Power Pool
x		86	Jonathan Hayes	S	Southwest Power Pool
x	x	87	Kathryn Dial	S	Southwest Power Pool
x		88	Kim Gorter	S	Southwest Power Pool
x		89	Kristen Darden	S	Southwest Power Pool
x	x	90	Margaret Q. Adams	S	Southwest Power Pool
x		91	Mason Favazza	S	Southwest Power Pool
x		92	Mike Hughes	S	Southwest Power Pool
x	x	93	Mike Nugent	S	Southwest Power Pool
x		94	Melissa Rinehart	S	Southwest Power Pool
x	x	95	Terry Oxandale	S	Southwest Power Pool
x		96	Tim Miller	S	Southwest Power Pool
x	x	97	Wilbur Crawford	S	Southwest Power Pool
x		98	Will Ragsdale	S	Southwest Power Pool
x	x	99	Will Tootle	S	Southwest Power Pool
x		100	Zachary Sharp	S	Southwest Power Pool
x	x	101	Shannon Mickens	S	Southwest Power Pool
x	x	102	Neil Robertson	S	Southwest Power Pool