



Southwest Power Pool, Inc.
OPERATING RELIABILITY WORKING GROUP
Net Conference
Wednesday April 08, 2020 8:00 AM – 5:00 PM (CST)
Thursday April 09, 2020 8:00 AM – 12:00 PM (CST)

• Action Items and Voting Record •

- Action Item: Create a series of special calls to focus on the ESR recommendations
- Action Item: Provide individual winter survey results to the members only.
- Action Item: Provide the reasoning for the BAAL dip and CPS1 increase in June 2019.

Agenda Item 5 – Consent Agenda “J March 5, 2020 ORWG Meeting Minutes and the Oklaunion RAS Retirement.”

Jeff Wells (Grand River Dam Authority) moved to approve the consent agenda, and Kyle McMenamain (Xcel Energy) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 7 – SPP RC Restoration Plan Review

Allan George (Sunflower Electric Power Corporation) moved to approve the SPP Restoration Plan, and Ron Gunderson (Nebraska Public Power District) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 8 – RR402 HITT R3 (Fast-Start Resources) – Enhanced IDRUC Process

Ron Gunderson (Nebraska Public Power District) moved to approve RR402 HITT R3 (Fast-Start Resources), and Allan George (Sunflower Electric Power Corporation) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 10 – RR324 Technical Meter Protocol Clean-up

Jeff Wells (Grand River Dam Authority) moved to approve RR324 as presented and Allan George (Sunflower Electric Power Corporation) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 12 – Market Buffers

Ron Gunderson (Nebraska Public Power District) moved to approve the interim mitigation measures as proposed by the OCMTF and endorse the OCMTF recommendation to develop a revision request for market buffers. Jeff Wells (Grand River Dam Authority) seconded the motion, and the motion carried without opposition or abstention.

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• M I N U T E S •

Agenda Item 1 – Call to Order

Chairman Allen Klassen (Eversource, Inc.) called the ORWG to order at 8:03 AM on 4/07/2020.
Chairman Allen Klassen (Eversource, Inc.) called the ORWG to order at 8:02 AM on 4/08/2020.

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.

Agenda Item 4 – Agenda Review and Notification

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

Agenda Item 5 – Consent Agenda

The consent agenda contained the March 5, 2020 ORWG Meeting Minutes and the Oklaunion RAS Retirement.

Jeff Wells (Grand River Dam Authority) moved to approve the consent agenda, and Kyle McMennamin (Xcel Energy) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 6 - Liaison Reports

6a – PFRTF Activities Update

Allan George (Sunflower Electric Power Corporation) stated that the PFRTF last met on 2/28, and that the PFRTF is assisting with the NERC GOP survey. Allan stated that the PFRTF discussed the first draft of the interim report-assigned sections and discussed the SPP Performance in 2017, 2018, 2019 pertaining to a frequency dip, frequency response obligation and measure. Allan stated that the PFRTF will discuss with the ORWG the rationale to change the fixed frequency bias to variable bias beginning in 2020 to improve frequency response performance.

6b - SRTF Activities Update

Jeff Wells (Grand River Dam Authority) stated that the SRTF reviewed each entity's restoration plan and discussed how restoring SPP in a north and south region could be effective without requiring large changes to individual TOP plans. Jeff stated that the SRTF will meet again on May 5, 2020 to discuss how any modification to the regional philosophy on restoration would be communicated.

6c - OCMTF Activities Update

Doug Peterchuck (Omaha Public Power District) stated that the OCMTF has been working on the market buffers topic which will be presented during this meeting.

Agenda Item 7 – SPP RC Restoration Plan Review

Zachary Sharp (Southwest Power Pool) reviewed the SPP Restoration Plan, and discussed the restoration checklist changes. Ron Gunderson (Nebraska Public Power District) asked how we would determine the percentage difference in frequency over a 10-minute period. The ORWG made adjustments to state “Ensure individual island frequency is stable. A stable frequency would not move more than .2Hz during the last 10 minutes.” Ron also questioned the use of the term “capacity” in the checklist. ORWG agreed to use the term capability to reflect the actual amount of power a resource can deliver instead of the capacity value which may not be a true reflection of the ability of the resource at that time. Ron also questioned the proposed change from slip frequency to phase angle difference. With two independent islands, there will not be a standing phase angle, as the frequencies will be slightly different in each island. Allen Klassen (Evergy, Inc.) stated tying two islands together is a lot like synchronizing a generator to the system. The ORWG decided to use the slip frequency instead of phase angle difference. The ORWG discussed the need to enhance restoration training with respect to synchronizing islands. A computer simulation of synchronizing is available for members to demonstrate to operators what synchronization would look like in such an event. Zachary stated that he would edit the line numbers in the plan to match the checklist changes.

Allan George (Sunflower Electric Power Corporation) moved to approve the SPP Restoration Plan, and Ron Gunderson (Nebraska Public Power District) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 8 – RR402 HITT R3 (Fast-Start Resources) – Enhanced IDRUC Process

Michael Ray (Southwest Power Pool) discussed RR402 and stated the revision request was intended to address HITT Reliability Recommendation 3b “Fast-Start Resources” by moving forward with fast-start market product enhancements. Michael stated that fast-start resources are essential to the reliable provision of energy, and these resources typically have short startup times, low minimum run time requirements and faster than average ramp rates. Michael stated that the proposed change will enhance the Intra Day-RUC process to allow greater flexibility in committing Fast-Start Resources (FSR) near real-time by utilizing a near real-time SCED to evaluate Intra-Day RUC commitment recommendations of FSRs. Michael stated that the enhancement will utilize the short-term Intra-Day RUC to analyze the commitment cost of FSRs to determine the commitment recommendation and then utilize a near real-time SCED to determine the interval to commit the FSR.

Ron Gunderson (Nebraska Public Power District) moved to approve RR402 HITT R3 (Fast-Start Resources), and Allan George (Sunflower Electric Power Corporation) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 9 – Electric Storage White Paper

Richard Dillon (Southwest Power Pool) discussed the energy storage white paper which the Holistic Integrated Tariff Team (HITT) requested staff prepare. Richard stated that FERC order 841 removes barriers to electric storage resource (ESR) participation in RTO markets. Richard stated that some of SPP’s goals are to capitalize on the ESR’s flexibility and to maximize the reliability and economic benefits. The white paper makes a number of recommendations for various working groups to recommend changes in procedures and tariff to address ESRs. Richard discussed the assignments made to the ORWG in the ESR white paper. Allen Klassen (Evergy, Inc.) stated that to meet the timeline requested by the MOPC chair, the ORWG would need to have additional meetings to tackle each of the recommendations.

Action Item: Create a series of special calls to focus on the ESR recommendations

*Relationship-Based • Member-Driven • Independence Through Diversity
Evolutionary vs. Revolutionary • Reliability & Economics Inseparable*

Agenda Item 10 – RR324 Technical Meter Protocol Clean-up

Kristen Darden (Southwest Power Pool) discussed RR324 and stated that the revision request is the result of an effort to update the Integrated Marketplace Protocols technical meter requirements by updating Appendix C and Appendix D of the Protocols to align with current meter requirements and also eliminate outdated and redundant language. Kristen reviewed the glossary changes and reviewed the changes in appendix C7.

Jeff Wells (Grand River Dam Authority) moved to approve RR324 as presented and Allan George (Sunflower Electric Power Corporation) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 11 – RR340 PMU FERC

Ryan Lott (Southwest Power Pool) stated that with the implementation of RR340, PMU coverage at the most important locations with regards to grid dynamics and stability will expand greatly. Ryan stated that PMU's provide reliability value that cannot be derived from traditional SCADA measurements. Ryan stated that PMU's allow for better studies, model correlations, mode detection and oscillation detection. Ryan stated that the majority of forced oscillations originate at generators and these generators may need to have their output adjusted or be taken off-line to dampen the oscillations. Ryan stated that more extensive PMU coverage at generator locations provides a stronger ability to determine where forced oscillations are sourcing. Austin White (Oklahoma Gas & Electric Company) stated that OKGE has organized its PMU measurements into groups of measurements that represent a terminal (lines, transformers, generators). Austin stated that the PMU's represent 510 terminals at 137 substations all operating at 30 samples per second. Austin also explained that OKGE has been using PMU data primarily for situational awareness, disturbance, and misoperation analysis. The technology has been used to proactively find equipment problems and assess the stability of the system, and used for monitoring power quality and as part of a protection scheme.

Agenda Item 12 – Market Buffers

William Ragsdale (Southwest Power Pool) presented a high-level overview of the OCMTF's proposal for market buffers. William stated the primary objective is to minimize and promptly mitigate SOL exceedances when they occur. William stated that the OCMTF is requesting that the ORWG collaborate with the OCMTF, MWG, and CWG to develop and implement the recommendations. William stated that the OCMTF is recommending a sponsored revision request for a software enhancement to set default global values for flowgate effective limits below 100% of the source limit, as well as, the capability to adjust default individual flowgate effective limits. The OCMTF is also recommending interim mitigation measures as follows:

The OCMTF recommends adjusting the default values for Auto Activation thresholds be globally set at a loading level of 93% of the Source Limit. The Auto Activation threshold may be adjusted individually for each Flowgate as determined by the RC in consultation with the Transmission Operator. This would involve updates to SPP internal procedures, including the addition of language that would encourage the RC to manually activate Flowgates at a loading level of 90% of the Source Limit.

Given the current software, Flowgates with Auto Activate enabled will use 100% of the Source Limit as the initial Effective Limit when a Flowgate is Auto Activated. The OCMTF recommends updating SPP procedures to encourage the RC to adjust the effective limit below 100% upon Flowgate activation in order to mitigate unacceptable Flowgate exceedances.

The OCMTF recommends updating SPP procedures to encourage the RC to utilize the Monitored state and set the Effective Limit below 100% of the Source Limit. This will result in use of the Effective Limit from the Monitored state, instead of the Flowgate's default Effective Limit (100% of the Source Limit from EMS).

Ron Gunderson (Nebraska Public Power District) moved to approve the interim mitigation measures as proposed by the OCMTF and endorse the OCMTF recommendation to develop a revision request for market buffers. Jeff Wells (Grand River Dam Authority) seconded the motion, and the motion carried without opposition or abstention.

Agenda Item 13 – SPP RC Outage Coordination Methodology

Will Tootle (Southwest Power Pool) discussed the changes to the SPP RC Outage Coordination Methodology and stated that a definition for denied outages was added to the document. Will explained that in section 2.2 additional language was added to capture requirements for breaker outages, and the table in section 5 was updated to include a denied outage status. Will stated that the denied status is for clarification, so the original submitter understands a new outage submission will be required with rescheduled dates if an outage is denied. Will also explained that in section 6 circuit breakers and disconnects were added and identified as equipment that will require status information submissions.

Agenda Item 14 – HITT R1a Reactive Preliminary Results

Will Tootle (Southwest Power Pool) discussed the HITT R1a voltage study and stated that the analysis is focused on measuring the system capabilities of reactive resources. Will stated that study is also focusing on identifying system capabilities, needs, and evaluating historic operational models and future planning models. Will stated that the goal is to determine if additional products or criteria are needed. Will stated that currently out of 4 operations cases the historic peak load case is the case that requires more mitigation. However, voltage issues exist in local areas but can be mitigated with available options. Will stated that currently SPP mitigation practices resolve voltage issues identified in operations and planning. Ron Gunderson (Nebraska Public Power District) stated that he would like to see the draft reports and have the ability to weigh in on the analysis.

Agenda Item 15 – HITT R1b Primary Frequency Response and Inertia

Garrett Crowson (Southwest Power Pool) discussed the HITT R1b primary frequency response and inertia topic. SPP has performed a comprehensive study to evaluate the region's reliability challenges with a changing generation resource mix. Garrett stated that the goal of the analysis was to identify the Eastern Interconnection "Critical Inertia". Garrett stated that critical inertia is the amount of inertia needed to slow the time to nadir down beyond load response (>~0.5 seconds) to frequency and prior to ULFS of 59.5 Hz for the Eastern Interconnection. Garrett stated that SPP looked at the top 200 units based on Primary Frequency Response performance individually, inertia performance individually, and then the performance combined, and the goal was to minimize the amount of headroom needed to meet both the performance adjusted interconnection frequency response obligation and the critical inertia.

Agenda Item 16 – HITT R1c Flexible Capacity

Abram Harder (Southwest Power Pool) discussed the Flexible Capacity topic identified by HITT R1c. Abram explained that resource flexibility is the ability of non-Variable Energy Resources (VER) to respond to changes in load, transactions, or VER output. Abram explained that the analysis assessed the available flexibility of the SPP fleet on high need days scaled according to a matrix of future scenarios. This assessment also identified future scenarios which could pose a reliability concern for SPP. Abram discussed the study results and explained that 80 of the 140 original scenarios required offline resources to be committed after DAMKT to have enough capability

to reliably serve the load in the SPP footprint. Abram stated that utilizing the Uncertainty Product reduced the number times there was insufficient flexible capacity. Abram stated that all scenarios and sensitivities had sufficient total available capacity to meet the energy needs at the end of the ramp event, however some scenarios and sensitivities there was insufficient rampable capacity.

Agenda Item 17 – HITT R4 Uncertainty Product

Ryan Schoppe (Southwest Power Pool) discussed the Uncertainty Product study directed by HITT R4. Ryan explained that because renewables make up a large portion of our fleet and that portion continues to grow, system flexibility is decreasing and a sudden unforecasted loss of generation is a risk. Ryan also stated that generation retirements will reduce the flexibility provided by the traditional thermal resources. Ryan explained that the uncertainty response team (URT) was formed to address the high uncertainty events which occurred in Operations, however we continue having high uncertainty days after the URT implementation. Ryan stated that because of the uncertainty in resource output, reliability is currently maintained through out of market actions. Ryan stated that an uncertainty product would provide the SPP footprint with enough online and offline flexibility to maintain reliability during intervals with large uncertainty.

Agenda Item 18 – TOP's Customer Outage (Load) Reporting Draft RR

Margaret Quispe (Southwest Power Pool) discussed the TOP customer load reporting requirements and stated that the SPP RC and SPP BA must be submit disturbance reports to NERC and the DOE for specified loss of load. Margaret stated that currently, the TOPs in the SPP BA and RC footprints are only required to report on these events under limited operating conditions. Margaret stated that this revision request would add requirements to a governing document to help SPP ensure consistent reporting regardless of the operating conditions. Ron Gunderson (Nebraska Public Power District) stated that NPPD doesn't information to report the number of customers for his wholesale customer's systems. This is a majority if NPPD's load. Bryn Wilson (Oklahoma Gas and Electric Co.) stated that we should request a DOE clarification to the reporting requirements.

Agenda Item 19 – Load Shed Testing Schedule

Margaret Quispe (Southwest Power Pool) discussed the load shed test schedule and stated that currently every 11 weeks on Wednesday morning a load shed test is performed. Margaret stated that through the use of the R-Comm tool the process has become more efficient, and Margaret proposed changing the testing schedule to every Wednesday morning. Jeff Wells (Grand River Dam Authority) stated that the operators could become numb to a set test schedule and recommended random test dates. Allan George (Sunflower Electric Power Corporation) stated that weekly testing could be too frequent, and Jerry McVey (Sunflower Electric Power Corporation) recommended keeping the 11 week schedule but adding in unannounced test.

Agenda Item 20 – Emergency Operations Plan/BA contact List

Margaret Quispe (Southwest Power Pool) and Bryn Wilson (Oklahoma Gas and Electric Co.) discussed the emergency operations plan and BA contact list. Bryn and Margaret discussed the questions related to alert timings, who is receiving the alert communications, and the potential emergency operations plan revisions. The goal is to approve a revised emergency operations plan during the September ORWG meeting that clarifies the section order for resource alerts and conservative operations.

Agenda Item 21 – Winter Survey Results

Garrett Crowson (Southwest Power Pool) discussed the winter survey participation results and stated that 154 unique resource submittals were received, which results in approximately a 20% submission rate for total SPP resources and 28% for non-wind resources. Garrett stated that the submittals were mapped to market resource

names and uploaded to an internal database. Garrett reviewed the participation of the winter survey by control zone and explained the survey results by unit type. Garrett stated that with the information in a database automated reports can be made based on information, which provides better situational awareness with respect to temperatures and weather induced capacity needs.

Action Item: Provide individual winter survey results to the members only.

Agenda Item 22 – Quarterly Report CPS Monitoring

Trey Rosel (Southwest Power Pool) provided the BAAL and CPS1 statistics and stated that in 2019 the quarterly average clock-minute exceedances was 217 and the largest Quarter was (Q2) at 352 minutes. Trey stated that 3 – 10-14 minute exceedances were observed and 1 exceedance greater than 10-14 minutes was observed. Trey stated that in the first quarter of 2020 the quarterly average clock minute exceedances was 132 with 1 – 10-14 minute exceedances and 0 exceedances greater than 10-14 minutes. Trey stated that for CPS1 in 2019 the CPS1 monthly percentage occurred in February at 152.6 and the minimum was in June at 135.9. Whereas in quarter 1 for 2020 the maximum was in January at 153 and minimum was in March at 148.1.

Action Item: Provide the reasoning for the BAAL dip and CPS1 increase in June 2019.

Agenda Item 23 – SPP Frequency Bias

Daniel Baker (Southwest Power Pool) provided a review of the frequency bias in 2019. Daniel stated that 23 events were evaluated for BA performance, and our average response was -167.74 MW/.1 Hz. Daniel stated that SPP met the R1 requirement and our median response was -140.86 MW/.1Hz, while our frequency response obligation is -86 MW/.1Hz. Daniel explained that the purpose of bias is to adjust ACE for a BA's natural response to frequency deviations and that frequency response is provided by governors not regulation. Daniel stated that the eastern interconnection is overbiased and this contributes to increased frequency oscillations. Daniel stated that a variable bias allows the BA to implement a bias that more closely reflects their actual response, and can be set seasonally, monthly, or in real-time. Daniel stated that the variable bias would improve CPS1 and reduce oscillations. Daniel explained that SPP was approved to move to variable bias but will remain fixed until the 2020 implementation data is set by the ERO. However, Daniel explained that the NERC ERO delayed implementation for 2020 due to concerns that staff might be unable to make EMS changes with COVID-19 causing many to work from home.

Agenda Item 24 – ORWG Member Topic List

The ORWG member topic list was provided in the meeting material packet.

Action Item Review:

Agenda Item 25 – Review of Open and Closure Pending Actions

The action item list was provided 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. 5/7/2020 WebEx (Thurs) 0830-1200
- b. 6/4/2020 WebEx (Thurs) 0830-1200
- c. 6/30 - 7/01/2020 Face-to-Face (Tulsa, OK)(GRDA) – CONFIRMED
- d. 8/6/2020 WebEx (Thurs) 0830-1200
- e. 9/3/2020 WebEx (Thurs) 0830-1200
- f. 9/30 - 10/01/2020 Face-to-Face (Little Rock, AR)(SPP) – CONFIRMED
- g. 11/5/2020 WebEx (Thurs) 0830-1200
- h. 12/3/2020 WebEx (Thurs) 0830-1200

Agenda Item 29 – Adjournment

Chairman Allen Klassen (Evers, Inc.) recessed the ORWG at 4:43 PM on 4/07/2020.

Chairman Allen Klassen (Evers, Inc.) adjourned the ORWG at 12:08 PM on 4/08/2020.

Respectfully Submitted,
Jason Tanner, Secretary



Operating Reliability Working Group
Meeting Attendance: 04/08/2020 - 04/09/2020
M=Member, G=Guest, S=SPP Staff, P= Proxy

		Name	Status	Company
x	1	Allen Klassen, Chairman	M	Westar Energy
x	2	Ron Gunderson, Vice Chairman	M	Nebraska Public Power District
x	3	Jim Useldinger	M	South Central MCN
x	4	Gary Plummer	M	City of Independence, MO
x	5	Kyle McMenamin	M	Xcel Energy
x	6	Laurie Gregg	M	Lincoln Electric System
x	7	Allan George	M	Sunflower Electric Power Corporation
x	8	Jeff Wells	M	Grand River Dam Authority
x	9	Mark Eastwood	M	City Utilities of Springfield
x	10	Doug Peterchuck	M	Omaha Public Power District
x	11	Bryn Wilson	M	Oklahoma Gas and Electric Co.
x	12	Chris Shaffer	M	American Electric Power
x	13	David Pham	M	Empire District Electric Company
x	14	Chance Myers	M	Western Farmers Electric Cooperative
x	15	Craig Speidel	M	Western Area Power Administration
x	16	Abu Elteriefi	M	ITC Holdings
x	17	Keith Carman	M	Tri-State G&T
x	18	Tyler Springer	G	American Electric Power
x	19	Ryan Kirk	G	American Electric Power
x	20	Ann Beasley	G	American Electric Power
x	21	Jim Jacoby	G	American Electric Power
x	22	Ryan Koch	G	Basin Electric Power Cooperative
x	23	Jason Mazigian	G	Basin Electric Power Cooperative
x	24	Amber Joyce	G	MDU
x	25	Pablo Ruiz	G	Brattle Group
x	26	Chris Lyons	G	Customized Energy Solutions
x	27	Seth Cochran	G	DC Energy
x	28	Steve Gaw	G	The Wind Coalition
x	29	John Hare	G	Oklahoma Gas and Electric Co.
x	30	Austin White	G	Oklahoma Gas and Electric Co.
x	31	Don Hargrove	G	Oklahoma Gas and Electric Co.
x	32	Joshua Wakeam	G	Oklahoma Gas and Electric Co.
x	33	Neal Faltys	G	Omaha Public Power District
x	34	Tom Mayhan	G	Omaha Public Power District
x	35	Tracey Stewart	G	Southwestern Power Administration
x	36	Jimmy Wheeler	G	Southwestern Power Administration
x	37	Keeth Works	G	Southwestern Power Administration
x	38	Heather Starnes	G	Healy Law Offices
x	39	John Allen	G	City Utilities of Springfield
x	40	Matt Welch	G	Golden Spread Electric Cooperative
x	41	Chris Bultsma	G	Western Area Power Administration
x	42	Sean Erickson	G	Western Area Power Administration
x	43	Carrie Dixon	G	Xcel Energy
x	44	Ben Hammer	G	Western Area Power Administration
x	45	Danielle Suppes	G	Sunflower Electric Power Corporation
x	46	Dae VanPelt	G	Sunflower Electric Power Corporation
x	47	Tanner New	G	Sunflower Electric Power Corporation
x	48	Jerry McVey	G	Sunflower Electric Power Corporation
x	49	Paul Mehlhaff	G	Sunflower Electric Power Corporation
x	50	Jason Tanner	S	Southwest Power Pool
x	51	Joe Ghormley	S	Southwest Power Pool
x	52	Brett Springfield	S	Southwest Power Pool
x	53	Jef Rooker	S	Southwest Power Pool
x	54	Andrew Davies	S	Southwest Power Pool
x	55	Dustin Courtright	S	Southwest Power Pool
x	56	Abram Harder	S	Southwest Power Pool
x	57	Erica Brooks	S	Southwest Power Pool
x	58	Anthony Cook	S	Southwest Power Pool

x	59	Terry Oxandale	S	Southwest Power Pool
x	60	Michael McCann	S	Southwest Power Pool
x	61	Derek Hawkins	S	Southwest Power Pool
x	62	Ryan Lott	S	Southwest Power Pool
x	63	Raleigh Mohr	S	Southwest Power Pool
x	64	Kim Gorter	S	Southwest Power Pool
x	65	Charles Cates	S	Southwest Power Pool
x	66	Yasser	S	Southwest Power Pool
x	67	Drew McGilvray	S	Southwest Power Pool
x	68	Garrett Crowson	S	Southwest Power Pool
x	69	Trey Rosel	S	Southwest Power Pool
x	70	ryan schoppe	S	Southwest Power Pool
x	71	Cody Parker	S	Southwest Power Pool
x	72	Temper Williams	S	Southwest Power Pool
x	73	Daniel Baker	S	Southwest Power Pool
x	74	Michael Ray	S	Southwest Power Pool
x	75	Jim Williams	S	Southwest Power Pool
x	76	Will Tootle	S	Southwest Power Pool
x	77	Kristen Darden	S	Southwest Power Pool
x	78	Margaret B. Quispe	S	Southwest Power Pool
x	79	Erin Cathey	S	Southwest Power Pool
x	80	Daniel Harless	S	Southwest Power Pool
x	81	Patti Kelly	S	Southwest Power Pool
x	82	Scott Aclin	S	Southwest Power Pool
x	83	Greg Reed	S	Southwest Power Pool
x	84	Richard Dillon	S	Southwest Power Pool
x	85	Kathryn Dial	S	Southwest Power Pool
x	86	Zachary Sharp	S	Southwest Power Pool
x	87	William Ragsdale	S	Southwest Power Pool