



Meeting #6, August 29, 2023

Xcel Energy/Southwestern Public Service Company's Integrated Resource Plan

MEETING SUMMARY

Approximately 37 stakeholder representatives from 23 different organizations plus a team of Xcel Energy/SPS professionals attended a meeting focused on developing input to Xcel Energy/SPS's Integrated Resource Plan. The purpose of the meeting was to prepare stakeholders as they input suggestions for the Action Plan.

Key outcomes of the meeting are:

- ☐ Insights from modeling results including results of stakeholder requested modeling runs
- ☐ Awareness of SPS's conclusions and selection of recommended portfolio
- ☐ Preview of process for collecting stakeholder input to the Action Plan

A recording of the meeting is available at: <https://youtu.be/e1230RObDNI>

Meeting materials (listed below) are available at: [Xcel Energy/Southwestern Public Service Company \(SPS\) – Gridworks](#)

- [Slide Deck – Gridworks SPS IRP Stakeholder Meeting #6 – 8/29/23](#)
- [Slide Deck – Xcel/SPS IRP Modeling – SPS Scenarios – 8/29/23](#)
- [Slide Deck – Xcel/SPS IRP Modeling Sensitivities – 8/29/23](#)
- [Xcel Energy – Action Plan Introduction – 8/29/23](#)
- [Statement of Need Elements 7/24/23](#)

Schedule Revisions

Revisions to the schedule for the remaining stakeholder meetings were announced:

- ☐ **September 6 is a Modeling Results Q&A Session. Time is 3:00 – 4:00 PM MDT. Questions submitted via chat during this meeting as well as those submitted to jgriffin@gridworks.org by 5 PM MDT on September 1 will form the content of this session. A recording of the session will be posted on the Gridworks.org website.**
- ☐ **September 13 is a new meeting. Time is 1:00 PM – 3:00 PM MDT**
- ☐ **September 21 meeting has been moved to Oct. 3. Time 1:30 PM – 3:30 PM MDT**
- ☐ **October 26 meeting is unchanged: 2:00 PM – 3:30 PM MDT**



Modeling Results

The SPS team presented updates on modeling results and associated insights. Of key importance is the range of new capacities for dispatchable and variable resources needed over the planning period. SPS resource modeling included three different demand forecasts, two different Planning Reserve Margin requirements, and four scenarios with varying supply-side options. The analysis identified potential needs for 1043 – 4290 MW of new dispatchable (including storage) resources by 2030 and 4281 – 6631 MW of variable (solar and wind) resources by 2030. Stakeholders were reminded that SPS's current system has 7500 MW of installed capacity with an accredited capacity of 5400 MW and a system peak of 4200 MW. The change in net present value revenue requirements for the options considered were also presented.

The SPS team evaluated two different levels of costs for transmission investments and performed sensitivity analyses around gas prices and energy markets.

Stakeholder Requested Modeling Runs

Six stakeholder-requested modeling runs were completed by SPS. These are listed below:

- Early compliance with renewable energy and carbon free targets including a load forecast case of high electrification in the commercial and industrial sectors
- Aggregated virtual power plant (distributed energy resources)
- Dynamic load shifting for residential and small commercial customers scenario
- Demand response scenario
- Increased hydrogen blending scenario
- Inclusion of reciprocating engines as a resource option, including the sub-hourly credit options

The SPS team also incorporated the stakeholder request focused on EPA 111 compliance into the relevant SPS modeling runs.

Action Plan Context and Process for Submitting Action Plan Suggestions

SPS provided background information and requirements of the action plan as well as example actions. An update on actions resulting from the 2021 IRP was also provided. In addition to the capacity needs described by SPS, stakeholders were reminded of the Statement of Need (SoN) Elements document that was developed by the SoN Interim Committee. This document is posted on the Gridworks.org website under the Aug. 29 meeting materials.

Stakeholders are invited to submit action plan suggestions **by noon on Sept. 12**, per the following process:

- Submit suggestions via <https://forms.gle/umvDwaGcYTbDdjEM7>
- For those lacking access to google forms, send email with "SPS ACTION PLAN SUGGESTION" in the subject line to info@gridworks.org
- Submit form(s) - name, organization and email required



- Discussion of ideas will be the foundation for the Sept 13 meeting

NEXT MEETINGS:

A “Modeling Results Q&A Session” is scheduled for Sept. 6. Meeting time is 3-4 PM. Questions will be taken from the Aug. 29 meeting chat and questions emailed to jgriffin@gridworks.org by 5 PM on Sept. The meeting will be recorded and will take place on ZOOM: us02web.zoom.us/j/8569536132
Meeting ID: 856 953 6132

The next meeting of the group, Meeting #6.5, is scheduled for Sept. 13. Meeting time is 1 PM – 5 PM. The focus will be discussion of action plan suggestions. The meeting will take place on ZOOM: <https://us02web.zoom.us/j/8569536132>
Meeting ID: 856 953 6132

Participants were given time to complete an on-line meeting survey.

ACTION REQUEST: For those who completed the survey, thank you. The survey instrument is available anytime (see below). Please take a few minutes to provide your feedback.

Please Access and Complete the Survey Now

...by either:



Scanning the QR Code to the right

OR



Visiting this link: bit.ly/SPS-IRP-Feedback

Feedback allows us to:

1. Measure effectiveness of this new process for the NM PRC
2. Improve Gridworks' facilitation effectiveness
3. Hear your concerns and suggestions

