



**Xcel Energy/SPS's 2026 Integrated Resource Plan  
Model Results to Date and Agreement on Stakeholder Model Runs  
Workshop #5 (June 23-24, 2026) Summary  
Hobbs, NM**

**WORKSHOP SUMMARY**

Representatives from 27 organizations attended this workshop to meet with the Xcel Energy/SPS Integrated Resource Planning (IRP) team and receive an update on model results. The 39 participating stakeholders had opportunities to ask questions, suggest model runs for utility consideration, and offer their view of whether the set of modeling runs represents their interests. The list of participating organizations (excluding Xcel Energy/SPS, its consultants, and Gridworks) is attached.

**MATERIALS**

- **Gridworks slide deck:** [Gridworks Slide Deck](#)
- **Xcel Energy/SPS slide deck, revised:** [Revised Xcel Energy Slide Deck](#)
- **Xcel Energy/SPS slide deck, load forecast:** [Xcel Energy Load Forecast Slides](#)
- **Recordings: Day 1** - <https://youtu.be/rEbnDR2Ylak> (note that, due to technical difficulties, the first segment was not recorded) **and Day 2** - <https://youtu.be/jwJperQBqc8>
- **Website for all materials:** <https://gridworks.org/initiatives/xcel-sps/>

**WELCOME AND INTRODUCTION**

This workshop had the following objectives:

1. Understand the results of SPS's modeling efforts to date
2. Understand stakeholder runs submitted to date and ideate on additional possible runs
3. Decide on a defined set of stakeholder runs by the completion of the workshop
4. Assess stakeholder agreement on the defined set of modeling runs

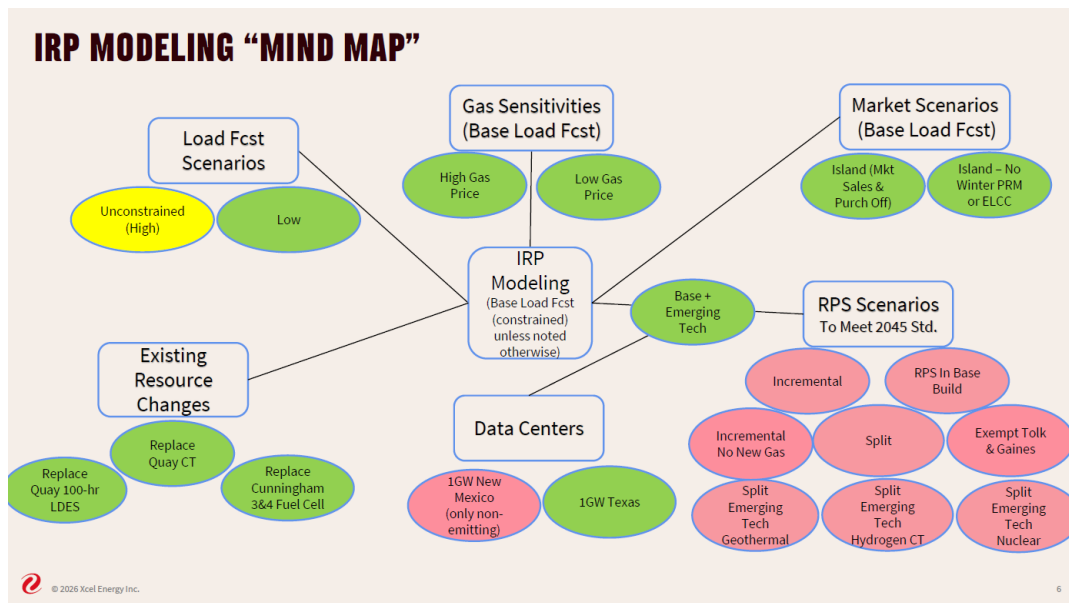
The timeline for IRP stakeholder engagement is shown below:

| March - April                                                                              | May - July                          | August - September                                    |
|--------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------|
| 1. March 5: virtual                                                                        | 4. May 20: virtual                  | 7. <b>Aug. 26-27: 1-4 &amp; 9-12 Carlsbad, hybrid</b> |
| 2. <b>Mar. 23 - 24: Roswell, hybrid</b>                                                    | 5. <b>June 23-24: Hobbs, hybrid</b> | 8. Sept. 9: 1-5 PM, virtual                           |
| 3. April 30: virtual                                                                       | 6. July 21: 9 AM - 12 PM, virtual   |                                                       |
| -----BIG PICTURE-----                                                                      |                                     | -----BIG PICTURE-----                                 |
| -----DETAILED MODELING-----                                                                |                                     |                                                       |
| 1. Stakeholder interests and utility vision.                                               |                                     |                                                       |
| 2. SPS system, challenges, and opportunities. Explore central question.                    |                                     |                                                       |
| 3. Modeling foundation: plans, inputs, assumptions, requirements. Access to modeling info. |                                     |                                                       |
| 4. Base case model results and plans for additional utility-defined scenarios.             |                                     |                                                       |
| 5. <b>Agreement on parameters of stakeholder-requested modeling runs.</b>                  |                                     |                                                       |
| 6. Results of stakeholder-requested runs.                                                  |                                     |                                                       |
| 7. Utility decisions from all analyses. Draft statement of need and action plan.           |                                     |                                                       |
| 8. Complete statement of need and action plan.                                             |                                     |                                                       |



## MODELING TREE AND STAKEHOLDER INTERESTS

The SPS IRP team reviewed the map of modeling runs as shown below. Green scenarios indicate runs for which capacity expansion and production cost model runs have been completed. The yellow scenario, the unconstrained (high) load forecast, has been run only through capacity expansion modeling. The red scenarios are still in process.



## BASE CASE MODEL RESULTS

SPS presented the results from several groups of model runs depicted in green in the mind map above. Summaries as well as detailed capacity addition and net present value results are included in the [SPS Slide Deck](#). Stakeholder questions and comments revolved around these themes:

- Understanding the input and assumptions for the market scenarios, including winter reliability metrics and expected unserved energy amounts
- Objection to carbon-emitting resources included in the base case and compliance with NM’s Energy Transition Act (ETA).
- Queries about the gas sensitivities input parameters (which are available via iManage), and the frequency and timing of occurrences of unserved energy events
- Understanding the load forecast elements
- Technology options for capacity additions

SPS noted that modeling information, posted via iManage, is available to stakeholders who have requested access via the forms below (also available from the Gridworks website, under Workshop #3):

- [SPS IRP - Data Access Request Form](#)



- [SPS IRP - Confidentiality Agreement](#)

SPS reviewed the load forecasts ([Xcel Energy Load Forecast Slides](#)) and answered questions.

### STAKEHOLDER MODEL RUN REQUESTS

SPS reviewed the eight model run requests received by the June 12 deadline, invited requestors to discuss the purpose of each idea, and solicited comments from all stakeholders on the scope of the requests. Stakeholder requests included four runs using an alternative load forecast (some using different assumptions for existing resource extensions, generic resources, and emerging tech resources), three suggesting different parameters for one of the island scenarios, and one requesting the inclusion of 100-hour storage as a resource option. Interest in exploring 6- and 8-hour battery energy storage, in addition to 4-hour, was also expressed.

Constructive discussions between stakeholders and SPS led to several changes to modeling activities to better address stakeholder interests. SPS agreed to modify the modeling activities as follows:

- 1) Include additional battery energy storage options (6- and 8-hour duration) in all model runs. Note that this change requires the utility to rerun all scenarios analyzed to date; **results presented during the workshop and currently loaded on iManage will be superseded.**
- 2) Add a scenario focused on the low-load forecast in an NM-focused or “split” NM-TX system configuration, with renewable portfolio standard- and ETA-compliant assumptions.
- 3) Modify the parameters of some emerging technology resources as outlined in slides 29-31 of the [Revised Xcel Energy Slide Deck](#). SPS presented the consistent methodology used for determining these parameters and expressed a willingness to have further discussions with individuals on this topic.
- 4) Adjust the planning reserve margin (PRM) value in the “markets off, island” scenario by using the summer PRM value year-round instead of different summer and winter PRM values. Capacity accreditation values will be seasonally adjusted to be consistent with all other model runs.

Specific discussions on parameters for extending existing resources were tabled due to a lack of time. SPS agreed to follow up with the stakeholder who suggested extending the Hobbs CC PPA by 10 years and extending/repowering existing wind resources.

Additional topics raised by stakeholders during the workshop included how full-scale nuclear is represented in the modeling and how customer bills might be impacted by the portfolios selected by the models. SPS noted that a large new nuclear plant or a smaller Small Modular Reactor (SMR) would be best accommodated at a retiring resource site to reduce emissions while taking advantage of existing water rights and transmission infrastructure. SPS indicated that a large nuclear plant (such as an AP-1000) poses challenges related to increasing the system's single largest contingency and would impact market import capabilities. SPS has also indicated that preliminary modeling runs are not selecting SMRs; as such, the utility team will run a model that forces in SMRs at Harrington Station's Units 1, 2, and 3 at their expected



retirement dates. Then, SPS plans to re-optimize the model to assess the difference in net present value relative to other least-cost scenarios.

One stakeholder noted that revenue requirement analyses might be useful in addressing customer impacts. SPS agreed to consider ways to address customer impact in the IRP, noting that bill impacts cannot be precisely determined until resources are selected, approved, and factored into rate decisions.

#### **STAKEHOLDER AGREEMENT WITH MODELING RUNS**

Each stakeholder was invited to comment on whether they agreed with the set of modeling runs, including the modifications noted above. Most stakeholders felt the set satisfied their interests; no stakeholder disagreed with the revised set of runs, and a few people were undecided or declined to comment.

#### **OPEN ITEMS**

- Modify modeling runs per items #1-4 above
- Follow up with Energy Futures Group regarding expected unserved energy amounts (frequency and timing), emerging technology assumptions, and scenario requests
- Model a scenario forcing in small modular reactors
- Consider an analysis of revenue requirements and rate impacts

#### **NEXT STEPS**

A summary of this workshop is available at <https://gridworks.org/initiatives/xcel-sps/>. Questions, concerns, and suggestions are welcome and can be directed to Linda Hudgins ([linda.l.hudgins@xcelenergy.com](mailto:linda.l.hudgins@xcelenergy.com)) and Deborah Shields ([dshields@gridworks.org](mailto:dshields@gridworks.org)).

**The next workshop will be held on July 21 (1 PM – 5 PM MDT) via Zoom.** The focus will be on understanding all model results to inform the Statement of Need and Action Plan.



**WORKSHOP #5 PARTICIPATING ORGANIZATIONS (Excluding SPS, its consultants, and facilitators)**

Armstrong County, TX, Judge  
Betty & Wozniak, P.C.  
Central Valley Electric Cooperative  
Chevron  
Conoco Phillips  
Curry County  
Eddy County Community Development\*  
Energy Futures Group  
ExxonMobil  
Form Energy  
Golden Spread Electric Cooperative, Inc.  
GridLab  
Interwest Energy Alliance  
Jupiter Power  
Lea County\*  
Lea County Economic Development\*  
New Mexico Junior College\*  
New Mexico Large Customer Group  
NM PRC  
NM RETA  
NRDC  
OPL  
Oxy  
PBEX, LLC  
Priority Power/HF Sinclair\*  
Single Space  
Targa  
Velarde & Yar, P.C.  
Western Resources Advocates  
Unknown (2)

\* A special thanks to those stakeholders who attended the workshop in person in Hobbs, NM.