

Welcome!

Stakeholder Engagement Meeting (Meeting #6)

2023-2043 Integrated Resource Plan, Public Service Company
of New Mexico

Thursday, June 29

9:00 AM – 3 PM Mountain Daylight Time

Materials available at: [New Mexico Energy Planning – Gridworks](https://gridworks.org/initiatives/new-mexico-energy-planning/)
or

<https://gridworks.org/initiatives/new-mexico-energy-planning/>

Purpose and Outcomes of Today's Meeting

Prepare stakeholders to provide input to the Action Plan in July and August.

KEY OUTCOMES

- Input on Statement of Need
- Review of modeling results to date
- Awareness of “APPENDIX A factors” in selection of most cost effective resource portfolio
- Candidate action plan ideas that are independent of modeling results

Note: this meeting is being recorded and will be available as public information. The link to the recording will be included in the meeting summary.

Agenda

- 9:00 AM – Welcome, Purpose, Outcomes for the Day, & Schedule Update, Gridworks
- 9:15 AM – Statement of Need Input Review and Discussion, Michael Barrio and Gridworks
- 10:15 AM – Modeling Insights and Observations, Form Energy
- 10:35 AM – Break
- 10:50 AM – Modeling Results to Date, PNM Team and Gridworks
- 11:50 AM – Factors for Selection of Most Cost-Effective Portfolio, PNM Team and Gridworks
- 12:20 PM – Pick up Lunch (provided) and return to session
- 12:35 PM – Modeling Deep Dive, Modeling Core Team and PNM Team. All stakeholders invited to attend.
- 2:45 PM – Next Steps, Meeting Survey
- 3:00 PM – Adjourn

Thank you for your Engagement as we Approach Action Plan Input

March – May

June – August

Sept – Nov

1: Grounding and
Statement of Need

2: Model Runs and
Produce Action Plans

3: IRP Reviews

New stakeholders, if this is your first meeting with this group
Please type into the chat:

- Name
- Organization
- Your primary interest pertaining to the IRP

Meeting Schedule Changes

- **July 13, 2023, meeting has been moved to July 27.** This meeting will be scheduled for **9 AM – 12 NOON** to allow for more time to share additional modeling results.
- **August 17 meeting will be 9 AM – 12 NOON** to focus on input to the Action Plan
- OTHER ANNOUNCEMENTS?

Statement of Need Update

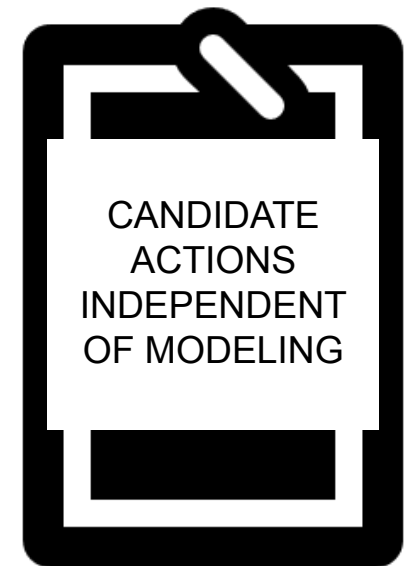
- Review of input to SoN
 - Team captain: Michael Barrio, Advanced Energy United
- Feedback process
 - Refer to written document
 - Prepare feedback (name and content on colored sticky notes)
 - Gridworks to summarize and document input in meeting summary
- Next steps
 - Editing, if warranted, by working group
 - Assess stakeholder consensus during July 27 meeting

Kailash Raman, Form Energy

Questions? Contact Kailash
kraman@formenergy.com

Break

- Refresh
- Browse and contribute to the “ACTION PLAN BRAINSTORM” flip chart, available all day



Modeling Result to Date Discussion

- PNM Team presentation, 45 minutes
- Facilitated Q&A, 15 minutes
 - What do you want to know more about?
 - Name and question or comment on 3x5 card
 - Questions of broad interest answered as time allows
 - Other questions provide topics for the deep dive session, starting at lunchtime

Modeling Results to Date

PNM TEAM



Factors in Selecting Most Cost-Effective Portfolio

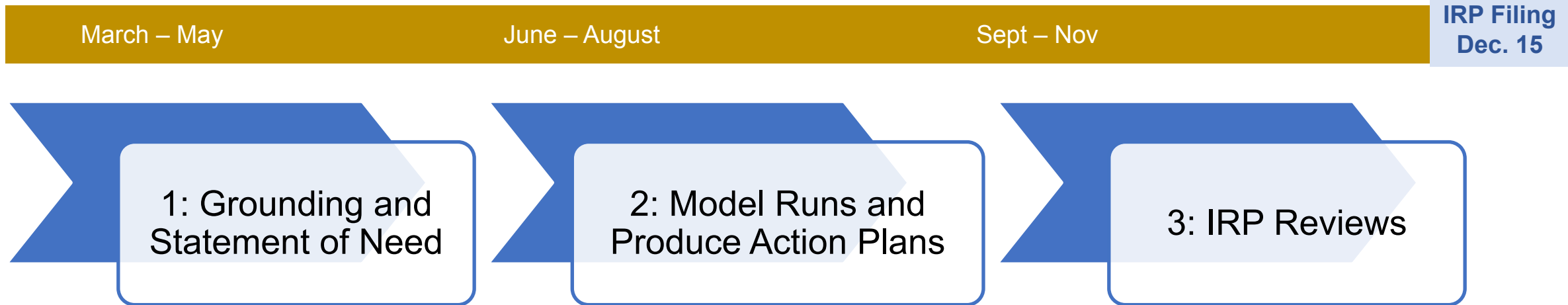
- Cost through projected life
- Mitigation of ratepayer risk
- Other factors
 1. load management or modification and energy efficiency requirements
 2. meeting renewable energy portfolio requirements
 3. existing and anticipated environmental laws and regulations, and, if determined by the commission, the standardized cost of carbon emissions
 4. fuel diversity
 5. susceptibility to fuel interdependencies
 6. transmission or distribution constraints
 7. system reliability and planning reserve margin requirements

Reference:
IRP Rule, Appendix A, “Determination of the Resource Portfolio”

Summary Next Steps Meeting Survey



The Schedule Ahead Includes a Few Schedule Adjustments



SCHEDULED MEETINGS

- **July 27, 9 AM – 12 NOON** – SoN input consensus check; Results of prioritized stakeholder requested runs. Gather Action Plan suggestions that are unrelated to modeling results. Decide on additional SERVVM runs, if necessary.
- **Aug. 17, 9 AM – 12 NOON** – Review results of additional modeling runs. Coordinate SoN and model results to draft input into Action Plan.
- **Sept. 14, 9 AM – 10:30 AM** – Finalize stakeholder input into Action Plan
- **Oct. 19, 9 AM – 10:30 AM** – Review IRP elements of greatest interest to stakeholders
- **Dec. 19, 9 AM – 10:30 AM** – Facilitated Stakeholder Process feedback collection

NEXT DEADLINE

July 13 - Requests by stakeholders who wish to share their own modeling results at upcoming meetings

Please Access and Complete the Survey Now

By either...



Scanning the QR Code to the right

OR



Visiting this link:

bit.ly/PNM-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



Thank you for attending.

Questions? Please contact Margie Tatro at:
mtatro@gridworks.org
505-205-0838



GRIDWORKS

Materials for this and future meetings available at: [New Mexico Energy Planning – Gridworks](https://gridworks.org/initiatives/new-mexico-energy-planning/)

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- SUPPLEMENTAL SLIDES IF NEEDED

Modeling Core Team Update on Additional Stakeholder Requested Modeling Runs

Team captains:

- Aaron Gould, WRA
- Rachel Wilson, Form Energy
- Nick Phillips, PNM

Future CTP with high EV and high building electrification

Future CTP with increased DR

FCCP through Dec. 2027 + extension for Valencia through 2039

FCPP through Dec. 2027 + extension for Valencia & Reeves through 2039

No combustion scenario post 2039 – include solar, wind, Li-ion storage, long duration storage

No new combustion with thermal storage

Accelerated carbon free: two time frames, 2030 and 2035

Transmission expansion (from east) + many alternative resources

High and very high gas price

Extreme weather and other variable sensitivities

Western Regulatory Assistance Project modeling based scenario – regional market influences

Correlated gas outages