

A stakeholder workshop to inform the PNM IRP was held on May 4, 2023, at the CNM Workforce Training Center in Albuquerque. It was attended by 55 people representing 32 organizations. Workshop materials are available at the [Gridworks website](https://gridworks.org/initiatives/new-mexico-energy-planning/): <https://gridworks.org/initiatives/new-mexico-energy-planning/>

Below is a summary of the workshop.

The **PURPOSE OF THE WORKSHOP** was to create a foundation of shared knowledge while providing opportunities for stakeholders to express their views, hear the views of others, and create input to the Integrated Resource Plan.

KEY OUTCOMES of the workshop were:

- tutorials regarding electric system planning requirements, available resources for meeting electric system requirements, and modeling;
- an outline for the statement of need; and
- identification of issues and concerns regarding modeling of utility portfolios.

Presentation materials and video recordings of the first two tutorial sessions are available via the [Gridworks website](https://gridworks.org/initiatives/new-mexico-energy-planning/): <https://gridworks.org/initiatives/new-mexico-energy-planning/>:

- [Statement of Need: System Needs and Requirements](https://gridworks.org/initiatives/new-mexico-energy-planning/); video recording [Session 1: https://youtu.be/EDaW4T_MDo0](https://youtu.be/EDaW4T_MDo0)
- [2023 IRP Candidate Resources](https://gridworks.org/initiatives/new-mexico-energy-planning/); video recording [Session 2: https://youtu.be/3r_rm1u-g4M](https://youtu.be/3r_rm1u-g4M)
- [2023 IRP: Modeling and Scenario Analysis Framework, Process Timeline and Scenario Run Requests](https://gridworks.org/initiatives/new-mexico-energy-planning/)

(FACILITATOR's NOTE: uninterrupted video recordings of the modeling tutorial and a presentation on modeling inputs will be available after May 9.)

STAKEHOLDER QUESTIONS AND COMMENTS were offered throughout the morning session.

Topics included:

- How the IRP relates to the Renewable Portfolio Standards (RPS)
- RPS definitions could change to account for new technologies and alternative fuels
- Reliability of a carbon free grid; should it have the same reliability as the current grid?
- Resource Adequacy
- Synergistic effect of solar plus wind. How does Encompass software handle this?
- Effective Load Carrying Capability assumptions for individual resource types and combinations of resources.
- What risks does PNM perceive related to inverter-based resources
- Ground-source heat pumps
- Hydrogen and renewable natural gas – assumptions, availability, and emissions impacts
- Capital costs for resources (changes since last IRP)
- Life cycle costs for resources
- Technology readiness levels of resources
- Recommendation: summary table of technology readiness levels, costs, etc.

- Recommendation: summary table of initial scenarios and resources included
- Possible funding opportunities for demonstrations – explore the California Energy Commission model
- Transmission considerations: limited modeling in IRP; extent of transmission issues that limit the use of preferred resources
- Action plan term: 3 years per the rule, but longer-term view is also needed
- Need to understand resources in the pipeline now, additions and subtractions
- Clarification of demand-side resources assumptions

Written input offered by stakeholders before and during the meeting is listed below and is available on the Gridworks website.

Stakeholder	Document(s)	Topics
New Mexico Solar Energy Association	“Climate Action 2023-2033(1).pdf”	Superfast decarbonization Motivation
Sandia National Laboratories	“SAND Report, C. Ho.pdf”	Probabilistic Modeling of Climate Change Impacts on Renewable Energy Storage Requirements for NM’s Energy Transition Act
Cynthia Mitchell	“v2 Mitchell Foundational Issues PNM 2023 IRP.pdf”	Consideration of wind solar, energy storage, demand response and energy efficiency
PNM in response to Barbara Chatterjee questions prior to March 28 meeting	“Amended IRP Rule (redlined).pdf” “Stakeholder Questions 2023054.pdf”	PNM and the IRP in general; changes to the IRP Rule
Interwest Energy Alliance	See below	Synergies between wind, solar and storage; modeling the reliability of fossil resources; market availability and transmission considerations

 Interwest Letter_May 1 PNM IRP_Gridworks.pdf 53 KB	 Goggin PNM IRP final (1).pdf 1 MB
 Interwest-Sept.-7-IRP-Comments (2) (1).pdf 443 KB	 Slides-IRP-Steering-Meeting-5-Public-Advisory-Group-Day-081722 (4) (1).pdf 888 KB

WORKING GROUP Outcomes

The **Statement of Need (SoN) Working Group** identified desired elements of the SoN and developed a preliminary outline. Five individuals (Cydney Beadles, Western Resource Advocates; Lindsay Parker, NextEra Energy Resources; Athena Christodoulou, CSol Power; Abbas Akhil, Renewable Energy Ventures; and Nick Phillips, PNM) volunteered to edit the SoN outline for distribution to the full group by May 14 and presentation at the May 18 meeting. Volunteers are . (FACILITATOR’S NOTE: Amanda Ormond, from Gridworks, will assist this group, as needed.)

The **Modeling Working Group** learned about PNM’s modeling framework and expressed concerns about the prior modeling efforts by PNM. Some stakeholders requested more information about the modeling efforts and the modeling engagement process/timeline. Two stakeholders submitted possible criteria for prioritizing additional model run requests and two stakeholders offered model run requests. The group suggested more structure for future conversations. Questions and suggestions were invited by mtatro@gridworks.org.

(FACILITATOR’S NOTE: We greatly appreciate the feedback and suggestions received. A more structured approach for the modeling efforts is being developed and will be offered for feedback prior to the May 18 meeting.)

NEXT MEETING

The next meeting of stakeholders is May 18 from 9:00 – 10:30 AM MDT via WEBEX. Please register by visiting the PNM IRP website, and click on “Register” for May 18:

[Schedule & Registration \(pnmforwardtogether.com\)](https://www.pnmforwardtogether.com)

<https://www.pnmforwardtogether.com/schedule-and-events>

Date	Topics / Presentation(s)	Register
May 4, 2023	Stakeholder Grounding Workshop for PNM Integrated Resource Plan (gridworks.org)	Register
May 18, 2023	IRP Stakeholder Meeting #3	Register

ANNOUNCEMENTS

The NM PRC is hosting a special open meeting at 9:00 AM on May 9, to share information on three important topics: community solar bid evaluations; greenhouse gas inventory and replacement resources tool; and hosting capacity analysis. For more information or to view the recording from this meeting, visit [Live Open Meetings and Workshops - NM PRC \(nm-prc.org\)](https://nm-prc.org)

The NM RETA is hosting a workshop on energy storage, including long duration, on Oct. 23-24. Contact Erik Aaboe at erik@nmreta.net for more information.