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
or
https://gridworks.org/initiatives/new-mexico-energy-planning/
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.
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 is 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
Stakeholder Modeling Observations

Kailash Raman, Form Energy

Questions? Contact Kailash
kraman@formenergy.com
• 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:
The Schedule Ahead Includes a Few Schedule Adjustments

1: Grounding and Statement of Need

2: Model Runs and Produce Action Plans

3: IRP Reviews

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 SERVM 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.

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...

1. Scanning the QR Code to the right
2. 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

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

<table>
<thead>
<tr>
<th>Modeling Scenario</th>
</tr>
</thead>
<tbody>
<tr>
<td>Future CTP with high EV and high building electrification</td>
</tr>
<tr>
<td>Future CTP with increased DR</td>
</tr>
<tr>
<td>FCCP through Dec. 2027 + extension for Valencia through 2039</td>
</tr>
<tr>
<td>FCPP through Dec. 2027 + extension for Valencia &amp; Reeves through 2039</td>
</tr>
<tr>
<td>No combustion scenario post 2039 – include solar, wind, Li-ion storage, long duration storage</td>
</tr>
<tr>
<td>No new combustion with thermal storage</td>
</tr>
<tr>
<td>Accelerated carbon free: two time frames, 2030 and 2035</td>
</tr>
<tr>
<td>Transmission expansion (from east) + many alternative resources</td>
</tr>
<tr>
<td>High and very high gas price</td>
</tr>
<tr>
<td>Extreme weather and other variable sensitivities</td>
</tr>
<tr>
<td>Western Regulatory Assistance Project modeling based scenario – regional market influences</td>
</tr>
<tr>
<td>Correlated gas outages</td>
</tr>
</tbody>
</table>