



Northwestern Energy ETAC Meeting # 7

2025 MT IRP Planning Cycle

June 25th, 2025



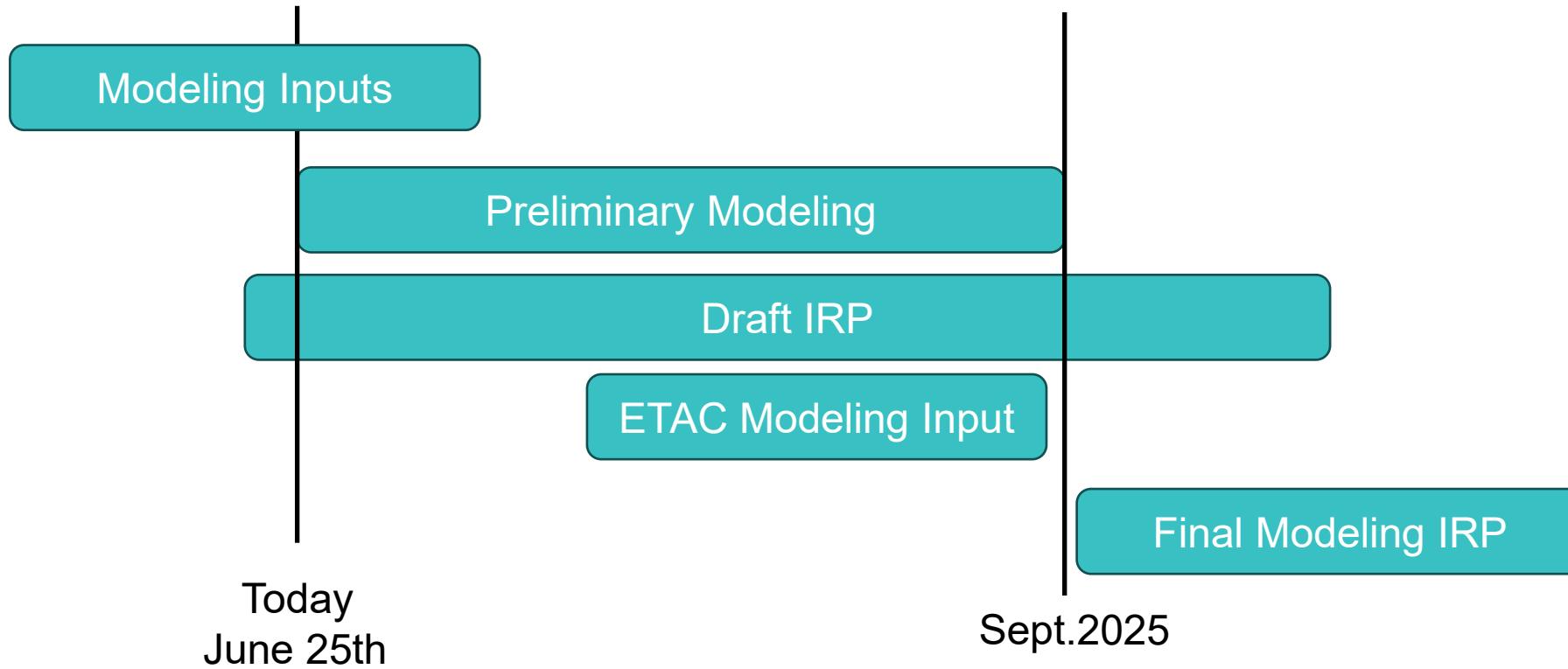
Agenda



Stakeholder Working Group 6.24.2025

- 1. Welcome (10 min)
- 2. Stakeholder Working Group (15 min)
 - Overview of 1st meeting with Stakeholder Working Group
- 3. Form Energy Presentation (60 min)
 - Long-Duration Energy Storage potential impacts on NWE system
 - Q&A
- 4. PowerSimm (60 min)
 - Login
 - Review/Navigation of PowerSimm
- 5. Website Updates (10 min)
 - Public Comment
- 6. Costs Discussion (15 min)
 - ARM 38.5.2021
 - ARM 38.5.2022
- 7. Updates (10 min)
 - DR/DSM candidate resource
 - Scenario Updates
- 8. Questions/Comments (10 min)

Timeline – High Level (see detailed workplan)





Stakeholder Working Group Updates



Stakeholder Working Group

Meeting Date: 06/09/2025 9:00 AM – 4:45 PM

Location: Butte General Office Building: 11 E Park Street, Butte MT 59701

Participants

Olson, Megan (Meeting Organizer, NWE)

Carmody, John (NWE)

Shafer, Jon (NWE)

Stajcar, Matthew (NWE)

Barnheiser, Quintin (NWE)

Seitz, Brandt (NWE)

Fitzmaurice, Nicholas (MEIC) via Proxy Hedges, Ann (MEIC)

Keogh, Ross (Managing Shareholder, Missoula)

Glenn, Evora (City of Missoula)

Morris, Robert (Montana Technological University)

Matson, Gary (Matson's Laboratory)

Unruh, Kyle (RNW)

Goldman, Derek (NWE)

Sellers, Makenna (MREA)

Mayo, Sheryl (Quantica)

Stakeholder Working Group

- Common Themes (Hand out notes to be posted on website):
 - Discussion for ETAC:
 - How should or at what level should the IRP include data centers?
 - Currently planning on 3 different sensitivities of block load additions in model.
 - Currently not planning to address any additional regulatory requirements on Data Centers.
 - Candidate Resources
 - Hybrid Resources (only including Energy w/ Storage and Wind w/ Storage... Currently do not have a hybrid Wind, Solar, and Storage. ETAC discussion.
 - Geothermal – A candidate resource; however, will not be included in the PCM runs due to the high cost of capacity as compared to other resources. ETAC discussion.
 - WRAP and Accreditations.
 - Transmission alone is not included as WRAP accredited resource for NWE. Accreditation must be tied to a generator, and an off-system resource would need firm generation requirements. Note, when WRAP develops the regional PRM calculations, it does include transmission imports. Transmission limits are being modeled to limit import/exports to a market. The Northern Plains Connector is going to be a sensitivity to address transmission as a market/energy resource.



Form Energy Presentation (60 min)



PowerSimm Login (60 min)



Website Updates (10 min)

Website Updates

- All updates planned by first week of July
 - New Stakeholder Page with Library
 - Add a finalized workplan to IRP homepage
 - Add Comment Tracker to IRP homepage
 - Update schedule



Costs Discussion (15 min)

Discussion on Admin Rules...

- (i) (5) "Cost" means the actual or forecast costs incurred to own, operate, and manage existing and potential new resources sufficient to provide adequate and reliable services over the planning period including, but not limited to, costs for:
- a. capital recovery;
 - b. shareholder returns;
 - c. debt;
 - d. operations and maintenance;
 - e. fuel and associated fuel delivery services or infrastructure;
 - f. insurance;
 - g. taxes, including tax credits;
 - h. environmental remediation;
 - i. permitting;
 - j. land use and rights of way;
 - k. decommissioning, abandonment, and securitization;
 - l. contractual power purchases, however structured;
 - m. incremental transmission and distribution, including losses and congestion;
 - n. administration; and
 - o. externalities.

“evaluation must be designed to allow for a comparison of the long-term total costs and risks of acquiring alternative resources, or combinations of resources, to address the need identified in”



Other Updates



DSM/DR Requests

DR as a candidate resource?

Add DSM/Net Meter Sensitivity?

Add Sensitivity with No Carbon Emitting Resources.



Questions/Comments?