

Younes Conference Center, Kearney, Nebraska November 19, 2025

2



Call to Order

- Nebraska Open Meetings Act Section 84-1412 (8)
- Roll Call



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4



Public Participation Policy - Summary

- · Any member of the public may speak, subject to these rules
- Individuals must state the following:
 - Name
 - Address (unless the address requirement is waived to protect the security of the individual), and
 - Name of any organization represented by such person
- Public comment period will be a maximum of 30 minutes
- Comments are limited to 3 minutes per person
- Address comments to the Committee as a body and not to any individual member thereof
- Disruptive conduct is not allowed & individual may be asked to leave meeting



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6

Consent Agenda

- Approval of Minutes of the November 13, 2025
 Meeting
- The next meeting of the Power Supply Committee will be held on January 21, 2026 at the Younes Conference Center South, Kearney, Nebraska. In the case of inclement weather, the meeting may be held virtually.



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Consent Resolution*

Approval of the consent resolution as shown on page 3 of the meeting packet



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8



Nathan Horrell
Manager of Resources, Planning and Transmission



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2027 IRP Background

What is the IRP?

• The Integrated Resource Plan (IRP) is a long-term planning document that identifies how we will meet our future electric resource needs, evaluating both supply-side (generation, purchases) and demand-side (energy efficiency, conservation) options.

Why is it required?

 Submission of the IRP is required by the Western Area Power Administration (WAPA) under federal regulation 10 CFR Part 905. All WAPA firm power customers must submit an updated IRP every 5 years.

What must the IRP include?

- The IRP must show how we plan to provide reliable and cost-effective service, taking into account environmental impacts, load forecasting, resource alternatives, and clear action steps for implementation.
- The IRP must include a public participation process, providing an opportunity for public input, and must document how public comments were gathered, considered, and addressed in the final plan.

When is it due?

 Our IRP must be finalized and submitted to WAPA in Q2 2027, in order to meet regulatory compliance and avoid financial penalties.



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10

2027 IRP Process Overview · Define goals and gather stakeholder Survey Supply Side Evaluation Demand Side Manageme Data Collection data for resource planning Research Model Scoping Q3 2026 Model scenarios and evaluate resource options Finalize plan and submit to Draft IRP Released WAPA 2027 Public participation is allowed and encouraged throughout the Formal Public Comment process as needed NMPPEnergy.org

Stakeholder Survey

- We will be sending out a survey to inform the IRP direction
- On Future Resource Additions
 - ▶ Cost
 - ► Portfolio Diversity
 - ► Market Risk
 - ► Environmental Considerations
 - ▶ Ownership
 - ▶ Policy Risk
- DSM Implementation
- Electrification



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12

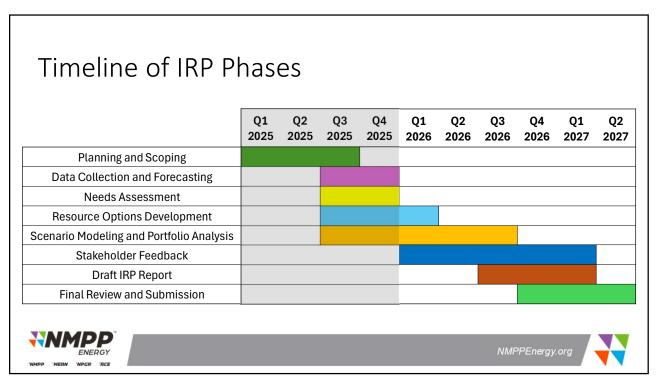
Scenario Selection and Criteria Workshop

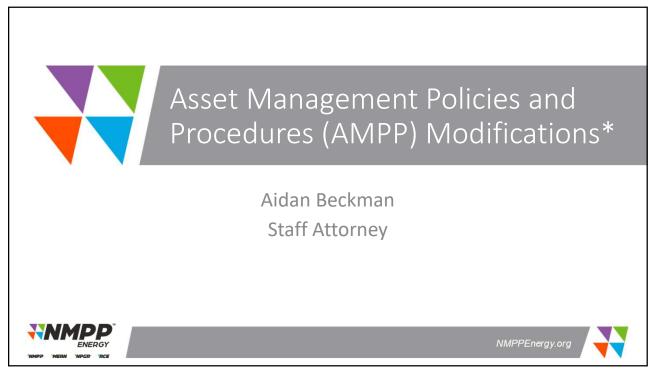
- Seven Scenarios Selected for Modeling
 - ► Baseline
 - ► High Electrification
 - ► Accelerated Policy Change
 - ► Slower Policy Change
 - ▶ Low Growth / Recession
 - ► Climate Extreme High
 - ▶ Population Decline
- Next Steps
 - ▶ Invite stakeholders to participate in developing the decision framework and defining directional relationships
 - ▶ Host a public workshop to gather input and comments to inform scenario modeling



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Registered Dual-Fuel Unit Requirements

- MEAN's written consent needed to switch fuel types or mixture
 - ▶ Time is needed to update unit offers in the market
- Emergency: Participant can use any fuel type, but must notify MEAN as soon as practicable if the fuel type is different than the last fuel type consented to by MEAN
- Testing: Participants will use the last fuel type consented to by MEAN
- Must provide invoices for fuel intended for units to MEAN as soon as practicable
- Participant responsible for charges and penalties related to using a fuel type not consented to by MEAN



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16

Other Updates

- Addition of references to sub-transmission operator, Balancing Authority, and market operator for greater clarity
- Generation due to an Energy Emergency Alert to be compensated at the FOM* + Labor rate
- Exception added to notice requirement for scheduled tests in the Unit Generating Procedure
- Addition of language to address testing criteria of the applicable Balancing Authority
- Other housekeeping and formatting updates

*"FOM" shall mean the actual cost of fuel consumed, as calculated according to Article VI Section G, plus a portion of variable operation and maintenance (O&M) cost.







Asset Management Policies and Procedures (AMPP) Modifications*

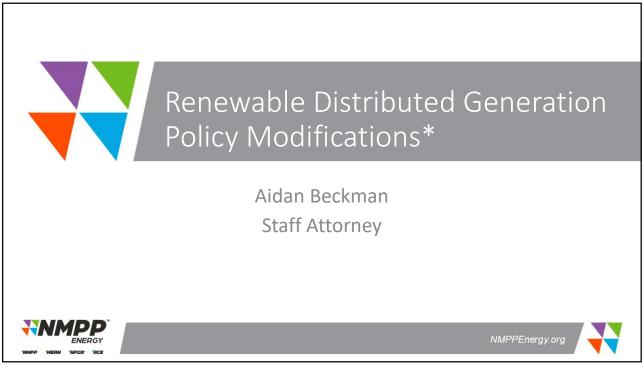
Approval of the resolution as shown on page 5 of the meeting packet.



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18



Final Engineering Design Required

- Participants must submit an as-built final engineering design to receive Offsets on power supply bill from MEAN
 - ► Must demonstrate that installed generation does not exceed the 5% Cap when combined with all other previously approved Total Requirements Participant (TRP) Resources
 - ► Must demonstrate characteristics of the facility (nameplate, output, facility type, fuel type, one-line diagram, other information as requested)
- Final as-built engineering design is intended to capture any changes made during construction and ensure that facilities meet Boardapproved criteria as constructed



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20

Other Changes

- Expanded permissible location of Renewable Generation Resources to include all generation with a renewable source on a Total Requirements Participant (TRP)'s distribution system to allow for generation that is not behind the wholesale meter
- A Participant desiring to modify a TRP Resource that would increase output beyond the greater of the amount in its application or amount indicated in the final as-built engineering design must re-apply for board approval
- References to DC ratings were removed throughout in favor of AC ratings



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Renewable Distributed Generation Policy Modifications*

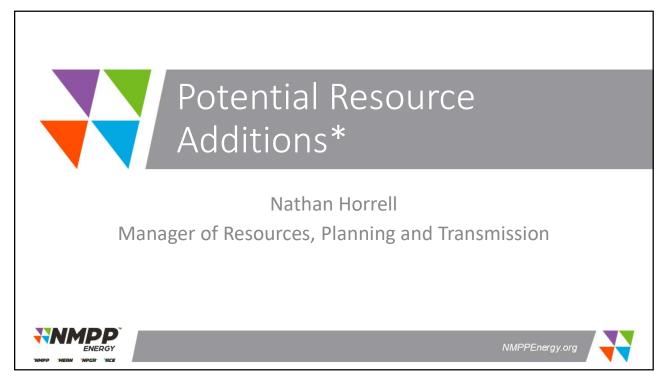
Approval of the resolution as shown on page 6 of the meeting packet.



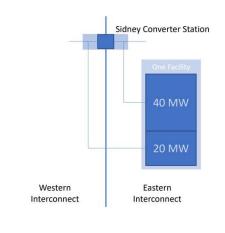
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22



Solar Power Purchase Agreement for a Resource to be Located Near Sidney, NE



- Phase 1 40 MW (COD Q4 2027)
 - ► Connect to East
 - ▶ Interconnection Agreement in-hand
 - R-Line contingent, limited to 8.5 MW non-summer
 - ▶ Firm transmission in-hand up to 35 MW
 - ▶ PPA in development
 - ► Price
 - Combined price for both phases
 - Can escalate modestly for Phase 2 upgrades
- Phase 2 20 MW (COD TBD)
 - ► Connect to West
 - ▶ No Interconnection Agreement
 - ▶ PPA or amendment later



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24



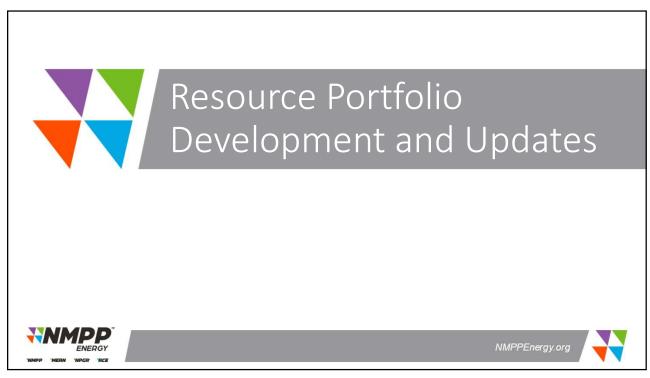


Solar Power Purchase Agreement for a Resource to be Located Near Sidney, Nebraska*

Approval of the resolution as shown on page 7 of the meeting packet.









Meeting Capacity Need Through Behind the Meter Generation (BTMG)

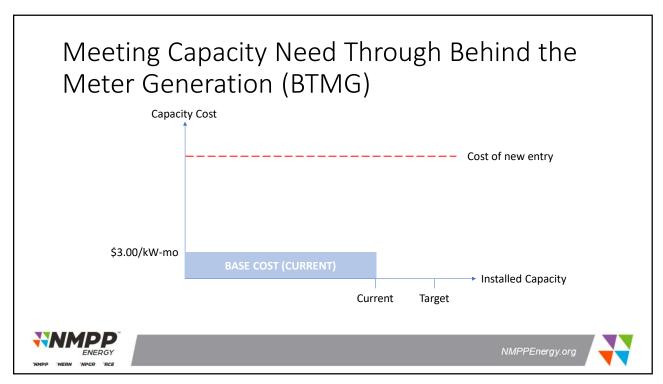
- Capacity market costs are increasing (dramatically)
- Resources of all types are seeing increased costs for new builds
- MEAN has a need for capacity resources (dispatchable, dual-fuel)
- BTMG is very valuable, and gets more valuable in an era of high capacity prices
- Need to build BTMG without causing extreme cost escalation
- Solutions?

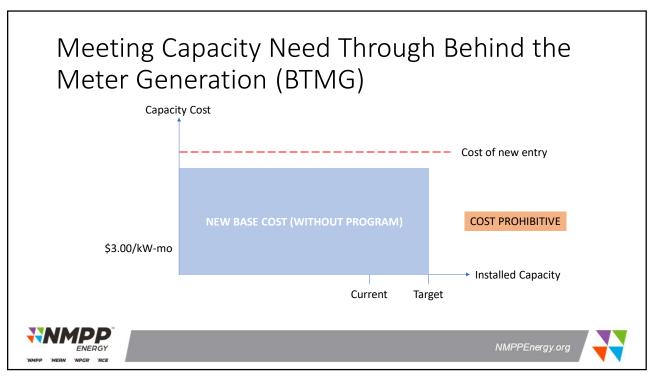


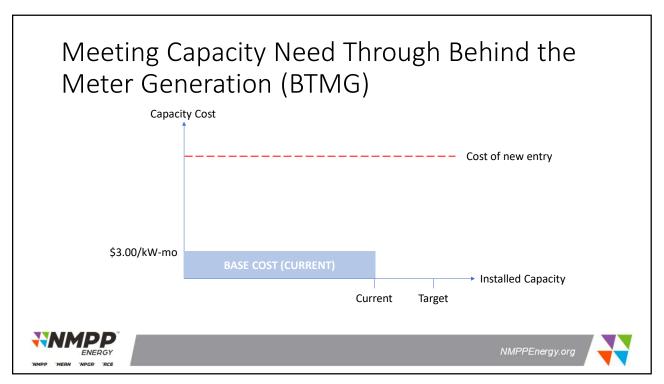
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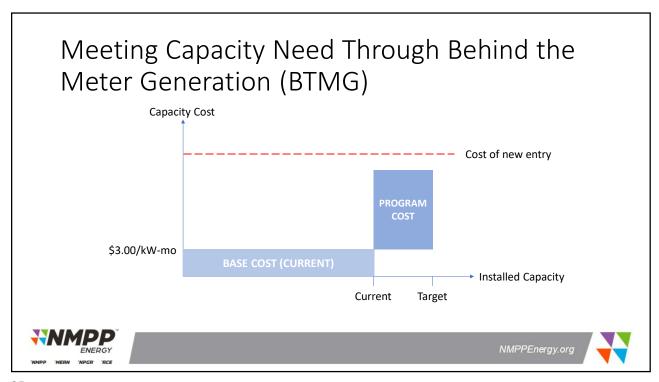


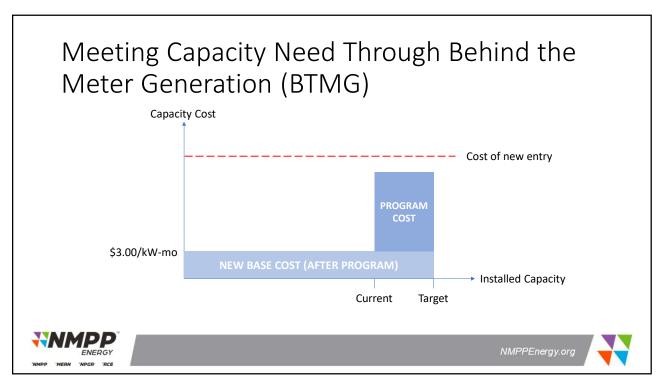
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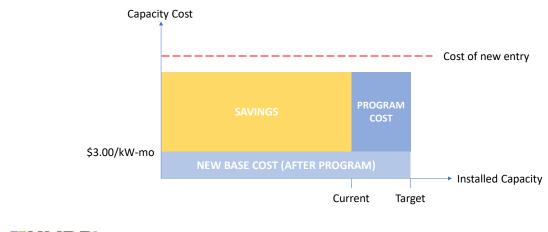












Possible Concepts in Discussion

- New build lease rate for new units not lump sum \$
- Limited availability window use it or lose it by program end date
- Limited rate window program rate has expiration date

NOTE: Still doing internal vetting, no proposals have been drafted



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Nathan Horrell

Manager of Resources, Planning and Transmission



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39

SPP RTO Expansion – Resource Adequacy

- In-flight items:
 - ► First compliance season
 - Current language says Winter 26/27 but staff is looking into Summer 2027
 - Regional State Committee (RSC) that votes on/establishes Planning Reserve Margin (PRM) won't be seated until after go-live (April 2026) with a vote to follow
 - PRM Values
 - SPP Supply Adequacy Working Group (SAWG) and Markets and Operations Policy Committee (MOPC) have approved the study that informs PRM recommendation (19% Summer, 40% Winter)
 - We won't know for sure until after go-live when the RSC is seated and votes
 - WAPA Unit Accreditation
 - WAPA resources must complete capability/performance testing to have certainty around accreditation
 - WAPA Firm Capacity
 - WAPA allocations did not contemplate a PRM



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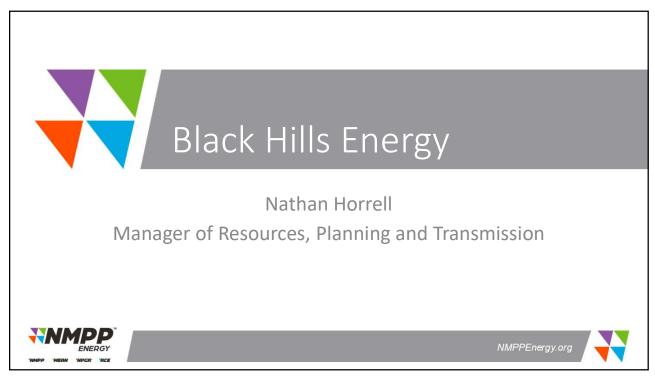


Implications

In the West 67% of MEAN's capacity in the Summer are WAPA allocations and Displacement – that number is 63% for the Winter.

Options being considered by WAPA:	Winter Net Position	Summer Net Position	
1. Firm Power Contracts(Full PRM coverage)	35.3	19.4	
2. Firm Capacity Contracts(No PRM coverage)	-15.5	-7.1	
3. Displacement as FES, Excess Capacity Distributed	-44.3	-44.8	
4. Load Responsible Entity (LRE) Net Peak Demand	-10.7	-11.6	
5. Displacement as FES, LAP and SLCA as Capacity	4.1	3.9	

41



Black Hills Energy – Project Opportunity Update

Black Hills Energy

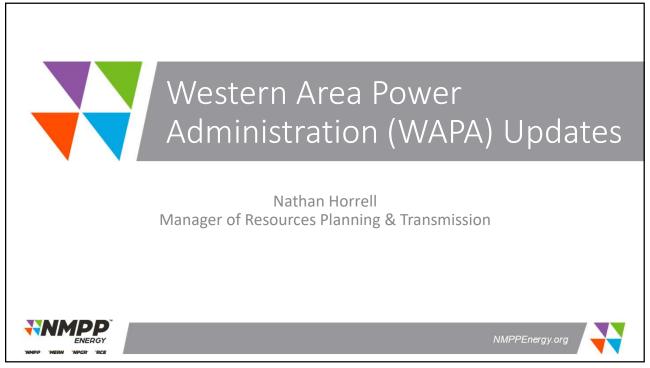
- 20 MW Solar PPA
 - ▶ Unexpected Sub T costs identified, catastrophic price increase
 - Project is no longer on offer
- Recip. Engine Lange 3
 - ▶ Need 6 units for viable project
 - ▶ MEAN was offered 1 unit
 - ▶ Other 5 units backed out of project
 - Project is no longer on offer



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43



WAPA UGP Update



• Firm Electric Service (FES) Rate Adjustments

▶ 2nd step increase of 6.2% effective January 1, 2026

Table 2 — Summary of Current and Two-Step Proposal Rates

P-SMBP-ED Firm Power Service	Current Under P-SED-F14/ P-SED-FP14 As of Jan. 1, 2023	Proposed Under P-SED-F15/ P-SED-FP15 As of Jan. 1, 2025	First Step Percent Change	Proposed Under P-SED-F15/ P-SED-FP15 As of Jan. 1, 2026	Second Step Percent Change
P-SMBP-ED Composite Rate (mills/kilowatt- hour)	27.91	30.00	7.5%	31.87	6.2%
Firm Demand (\$/kilowatt- month)	\$6.20	\$6.60	6.5%	\$7.00	6.1%
Firm Energy (mills/kilowatt- hour)	15.27	16.55	8.4%	17.60	6.3%

¹Proposed values are estimates only based on using final base and estimated drought adder components

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45

WAPA LAP Update



• Firm Electric Service (FES) Rate Adjustments

▶ 2nd step increase of 8.2% effective January 1, 2026

Table 2 - Summary of Current and Two-Step Proposal Rates

Firm Electric Service	Current Under L-F12 As of Jan. 1, 2023	Proposed Under L-F13 First Step As of Jan. 1, 2025	First Step Percent Change	Proposed Under L-F13 Second Step As of Jan. 1, 2026	Second Step Percent Change
LAP Composite Rate (mills/kilowatt-hour)	36.61	39.84	8.8%	43.10	8.2%
Firm Capacity Rate (\$/kilowatt-month)	\$4.80	\$5.22	8.8%	\$5.65	8.2%
Firm Energy Rate (mills/kilowatt-hour)	18.31	19.92	8.8%	21.55	8.2%

• Transmission Service Rate Adjustments

- ► Estimated overall cost of monthly WAPA-LAP transmission service for your utility during FY2026 (Oct 2025— Sep 2026) to increase between 14.50% 15.50%.
- ➤ These rates are estimated; however, if the SPP RTO Expansion goes live on 4/1/2026, the rates are likely to change.

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WAPA CRSP Update



• Transmission Service Rate Adjustments

- ► Estimated transmission rate change for FY2026 to an increase of 7.50% 8.50%
- ➤ These rates are estimated; however, if the SPP RTO Expansion goes live on 4/1/2026, the rates are likely to change.

Upcoming Meetings

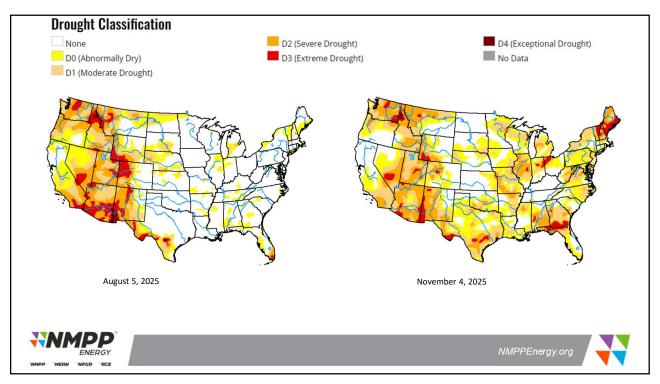
- ▶ Ten-Year Planning Meeting December 9
 - 10am-3pm
- ► At this time, the November and December meetings are canceled

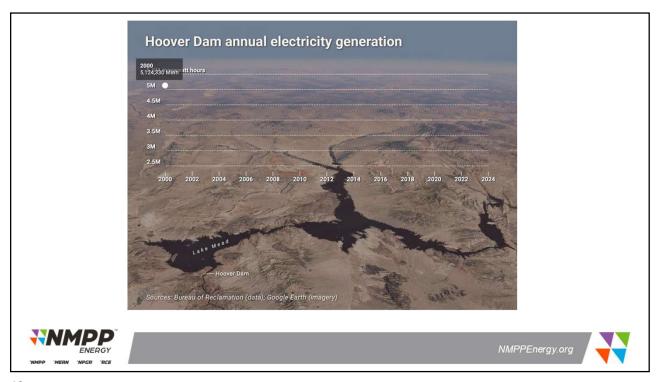
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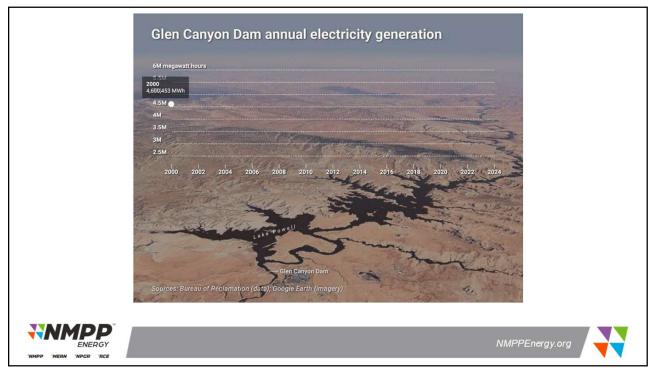
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¹ Proposed values are estimates only based on using final base and estimated drought adder components

47









Sandhills Community Solar and MEAN **Contracted Solar**

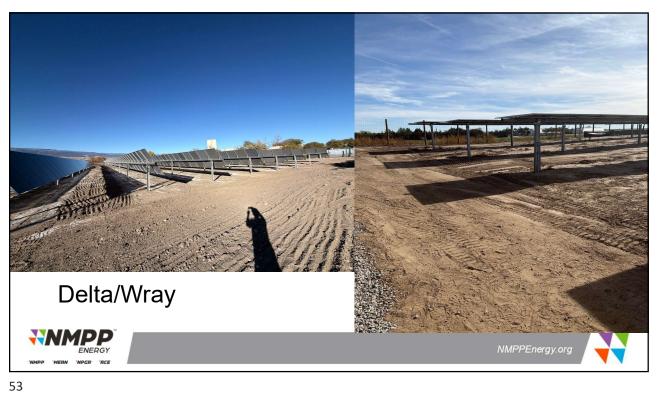
- 16 Communities signed PPAs with Sandhills for Community Solar **Projects**
- 21.20 MW-AC Community Solar
- ~19.788 MW-AC MEAN Contracted Solar



Resource	MWs (AC)	MWs (DC)	Project Start	COD/Est. COD	Notes
Pender - Community Solar (fixed tilt)	0.35	0.41	10/21/2024	4/5/2025	Online 4/2025*
Pierce - Community Solar	0.375	0.43	10/21/2024	5/22/2025	Online Week of 5/19/2025*
Stuart- Community Solar	0.15	0.170	10/21/2024	5/22/2025	Online Week of 5/19/2025*
Ansley - Community Solar (fixed tilt)	0.12	0.14	10/21/2024	12/19/2024	Online 12/19/2024*
Crete - Community Solar	1.6	1.98	9/9/2024	5/19/2025	Online Week of 5/19/2025*
Gering - Community Solar	1.112	1.41	7/17/2024	7/10/2025	Online Week of 5/19/2025*
Gering - MEAN Contracted Solar	2.888	3.66	7/17/2024	7/10/2025	Online Week of 5/19/2025*
Sidney - Community Solar	1.6	2.04	6/4/2024	7/10/2025	Online Week of 5/19/2025*
Sidney - MEAN Contracted Solar	2.2	2.80	6/4/2024	7/10/2025	Online Week of 5/19/2025*
Alliance - Community Solar	2.4	2.98	5/14/2024	7/17/2025	Online Week of 7/14/2025*
Alliance - MEAN Contracted Solar	5.4	6.69	5/14/2024	7/17/2025	Online Week of 7/14/2025*
Imperial- Community Solar	0.525	0.665	8/6/2024	3/15/2025	Online 3/21/2025*
Wray - Community Solar	0.35	0.316	8/1/2025	11/30/2025	Early Construction
Delta - Community Solar	0.875	1.04	8/1/2025	11/30/2025	Early Construction
Fort Morgan - Community Solar	3.8	4.45	1/6/2025	11/30/2025	Most Panels Installed. Electrical in process
Fort Morgan (Raceway) - MEAN Contracted Solar	7.0	TBD	Q3 2024	Q2 2026	тво
Indianola - Community Solar	3.4	4.3	6/2/2025	12/30/2025	Early Construction
Sergeant Bluff - Community Solar	0.6	0.73	7/22/2025	12/30/2025	Early Construction
Yuma - Community Solar	0.5	0.64	2/14/2025	11/30/2025	Construction in process. Pilings installed
Yuma - MEAN Contracted Solar	2.3	2.95	2/14/2025	11/30/2025	Construction in process. Pilings installed
Waverly- Community Solar	3.6	431	6/6/2025	12/30/2025	Construction in process. Most pilings installed.

* Construction complete

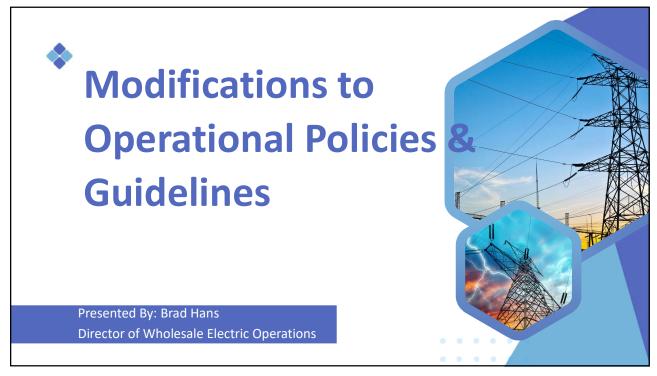








- Sidney
- Fort Morgan
- Sergeant Bluff
- Indianola
- Waverly





Resource Planning and Planning Reserve Margins

MEAN ensures compliance with reserve margin requirements in MISO and SPP regions for reliability.

Maintains extra reserves to address load growth uncertainty, accreditation changes, and penalty risks.

Additional reserves provide flexibility for cost optimization and participant benefits.

Policy considers procurement of resources over reserve margins.

Emphasizes resource diversity and addresses mitigation considerations for any single unit greater than 15%.

57

Resource Procurement



MEAN uses a diverse mix of resources: ownership shares, participation agreements, and purchased power.

Each resource type carries unique risks and benefits.

Resource procurement decisions include risk-benefit evaluations.

Contract type is a key factor in resource origination analysis.

Goal: secure reliable and cost-effective power for participants.

Transmission

MEAN secures network integration transmission services for firm power delivery to its Total Requirements Participants (TRPs).

Participates in regional transmission tariffs for off-system energy transactions.

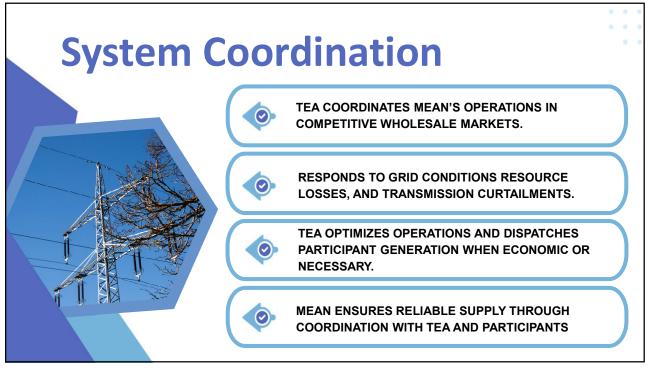
Advocates for fair, non-discriminatory transmission access and pricing.

Collaborates with Regional Transmission Organizations, Regional Entities and APPA to influence favorable policies.

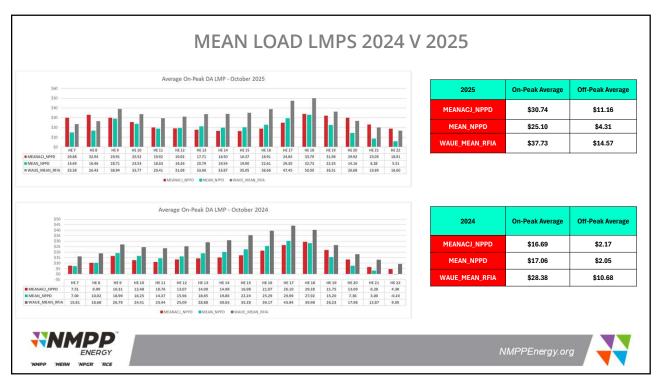
Supports transmission-dependent utilities and public power interests.

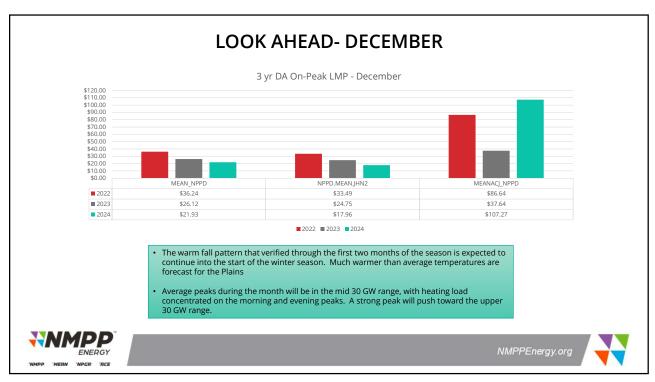


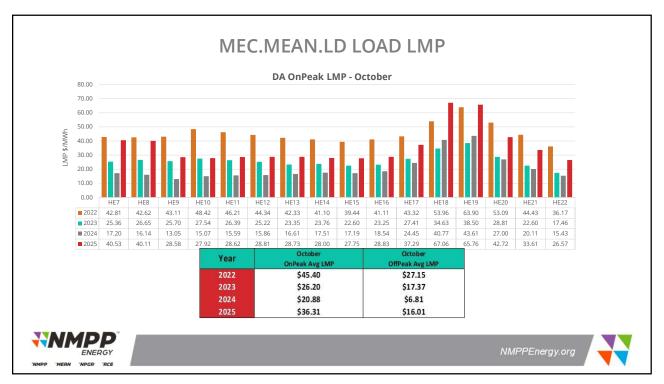
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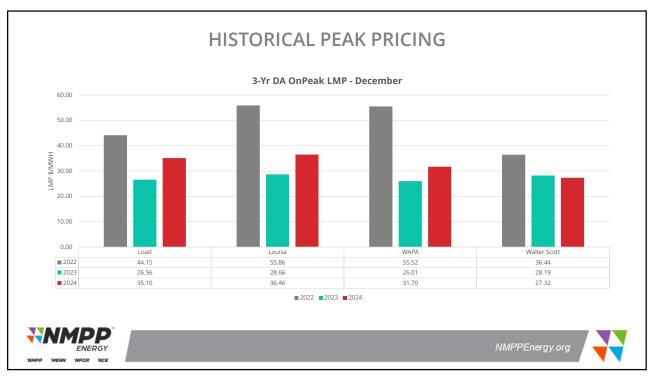


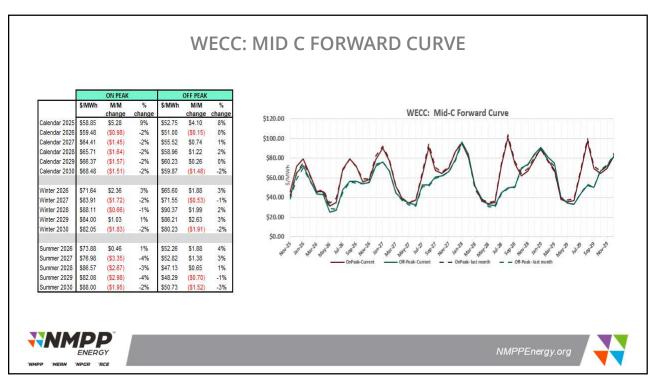


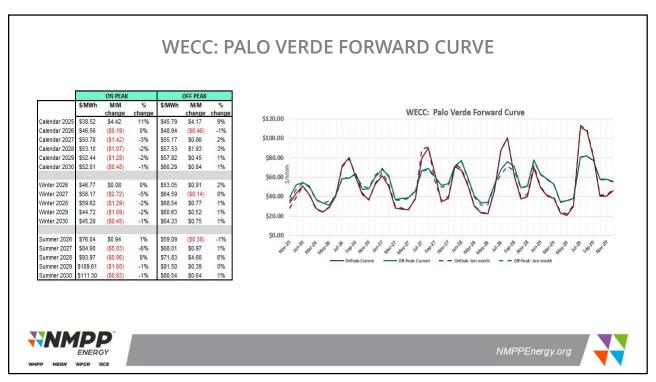


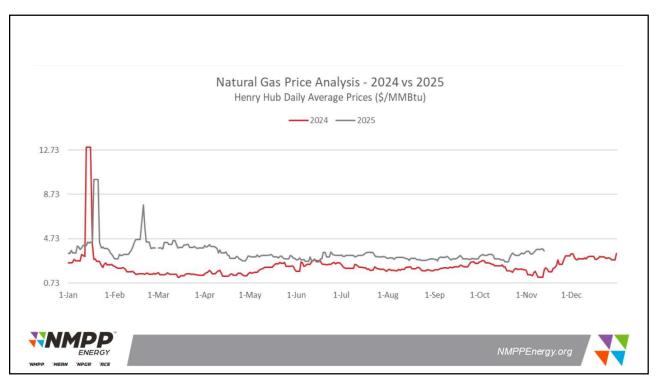


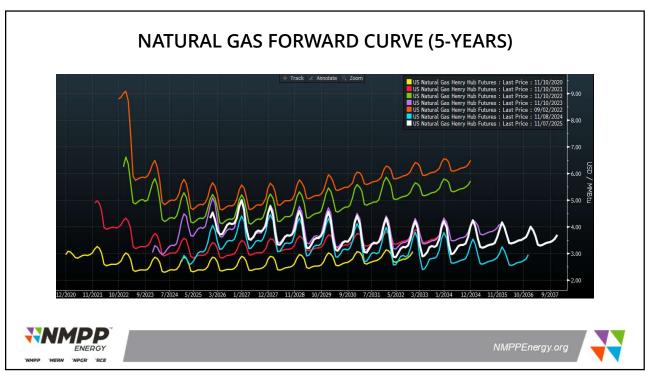


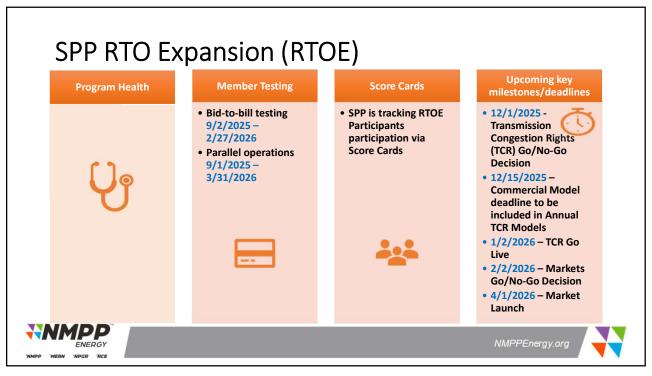






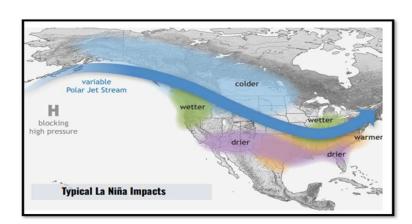






CONDITIONS PRESENT FOR LA NINA

- NOAA forecasting La Nina December 2025 through February 2026
 - "Conditions are present and favored"
- Current guidance suggests a weak and short duration but favors cooler and wetter conditions for the Northern Plains









71

WINTER 25/26 OUTLOOK - WHAT DOES ALL THIS MEAN? WINTER OUTLOOK 2025-2026 SNOWFALL AHEAD EXPECTED ACCUMULATION: NO ONE HAS ANY IDEA KEY TAKEAWAY - Be Prepared for Anything this Winter NMPPEnergy.org

