

Moody/Underwood

RESOLUTION NO. 6583

WHEREAS, since June 2023, the Board's System Management and Nuclear Oversight Committee (the "Committee") requested, and the Board of Directors ("Board") reviewed, a recommendation to revise Board Policy SD-9: Integrated System Planning; and

WHEREAS, the proposed revisions were posted on OPPDCommunityConnect.com for public comment between July 24, 2023 and August 13, 2023, and the Board reviewed the public comments that were received.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Omaha Public Power District that the proposed revisions of Board Policy SD-9: Integrated System Planning are approved, effective August 17, 2023, as set forth in Exhibit A, attached hereto.

EXHIBIT A

V	OMAHA PUBLIC POWER DISTRICT	Category:	Strategic Direction
Your Energy Partner®	Board Policy	Monitoring	System Management
	Policy No. and Name:	Method:	and Nuclear
		Metriou.	Oversight Committee
	SD-9: Integrated System Planning	Frequency:	Annually
Omaha Public Power District			
	October 15, 2015		6082
Date of Approval:	April 21, 2022		6494
Date of Approval.	August 18, 2022	Resolution	6516
	[insert date]	No.:	[XXXX]

Integrated System Planning is the ecosystem of planning processes used to efficiently integrate the transmission system, supply and demand side resources, and the increasingly complex distribution system. Through Integrated System Planning efforts, OPPD will continually plan for, adapt to, and enable both the needs of our customers and the rapidly transforming electric industry. Successful planning will ensure both a reliable electric system and the resiliency of the system and its components to prepare for, withstand, respond to, adapt to and quickly recover from a non-routine event.

OPPD shall:

- Ensure that year-round supply-side and demand-side resource capacity exceeds forecasted load in compliance with resource adequacy and planning reserve margin requirements of OPPD's regional balancing authority.
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 resources, engage the board in key decisions, and obtain annual board affirmation on current plans for
 developing new bulk electric system resources.
- Achieve the following resource volumes by dates indicated:

RESOURCES	RANGE OF
(Nameplate or Peak Tested Capacity)	INCREMENTAL ADDITIONS (MW)
Renewable Generation	1,000 - 1,500 MW
Contracted by the end of 2024	200 MW
Contracted by the end of 2026	400 MW
Contracted by the end of 2028	300 MW
Contracted by the end of 2030	100 MW
Energy Storage	Approximately 125 MW
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Contracted by the end of 2027	75MW
Dual Fuel Combustion Turbines	600 - 950 MW
Contracted by the end of 2025	600MW
Demand Response	Minimum of 32 MW
On-site fuel oil storage for year-round accreditation for approximately 320 megawatts (MW) of existing natural gas-	Approximately 320 MW
fueled generation assets	
Contracted by the end of 2025	320MW

*TERMS AND DEFINITIONS

Bulk Electric System: Facilities and control systems necessary for operating an interconnected electric energy transmission network (or any portion thereof) and electric energy from generating facilities needed to maintain transmission system reliability.





Near Term Generation

Brad Underwood

Vice President, Systems Transformation

August 15, 2023

Purpose

Review OPPD's near-term generation needs and proposed revisions to Strategic Directive (SD) 9

Agenda

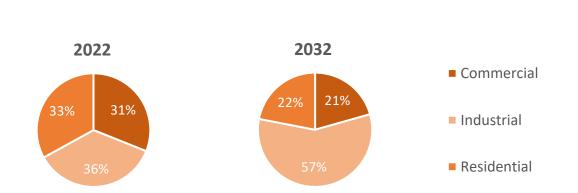
- Review "Near Term Generation" proposal
- Discuss proposed revisions to
 SD-9: Integrated System Planning



Key Drivers

Residential, Commercial, Industrial Growth

- Multi-year load growth is exploding:
 - Residential, Commercial and Industrial loads
- Largest consumption expansion primarily in the industrial class.
 - Data centers are supporting more of our daily functions.

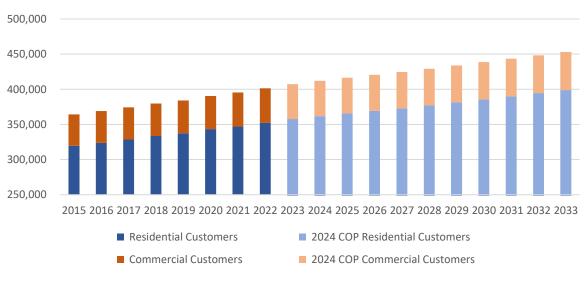


Planned Industrial Load Growth

- Electrification
- Biotech
- Manufacturing
- Data Centers (Fintech)
- Food Processing
- Agricultural Processing

Average Annual Commercial and Residential Customers

Historic Actual and 2024 COP Forecast





Load Growth & Implications

Customers and Other Agencies/Organizations are Waiting and Taking on Risk

- Some customers are taking financial risk while OPPD thoughtfully works to plan for and deliver service to their projects.
 - Energy service delays can disrupt land availability, supply chain, permitting and cost plans on customer projects.
- Without clarity of service timelines provided by a defined resourcing plan, projects may decide to look outside of eastern Nebraska.
- Many of these projects involve state agencies, counties, cities and other infrastructure – working in parallel – that are essential to supporting these customer projects and potential OPPD service uncertainty places risks to others.
- Many local and state programs and incentives being offered to assist these businesses and service uncertainty places risk on state and local financial economic development packages.



Call to Action

Abnormally Long Lead Times

- Manufacturing production slots are being occupied at increasing volumes for long lead time, major equipment purchases (i.e. step up transformers).
 - Over the last few quarters, the completion dates continue to extend at a concerning rate.
- In addition to manufacturing production slots, workforce availability for specialty firms offering Engineer, Procure and Construction services remains challenged.
- If supply resources are not secured and "deliverable" to OPPD load by 2028, the District faces a significant forecasted capacity deficit.



Image credit: Shutterstock/Alexey Krav



Board Feedback

Near Term Generation Governance

- Broad support for the technical recommendation but uncertainty remained around how the Board would interact with Management in key decision making and project execution.
- The Systems Management and Nuclear Oversight Committee consolidated board feedback for expectations related to decision making and execution.
- These expectations can be summarized in the following themes:
 - Frequency of Board updates on progress
 - Board involvement in key decisions
 - Annual board affirmation of current plans
 - Chronological goals for resource contracting
- The Systems Management and Nuclear Oversight Committee recommends to the Board that a revision to "SD-9: Integrated System Planning" is the best place to house the Board's expectations of Management.





SD-9: Resource Planning Board Policy Refinement Discussion

Your Energy Partner®	OMAHA PUBLIC POWER DISTRICT Board Policy	Category:	Strategic Direction
OPPO	Policy No. and Name: SD-9: Integrated System Planning	Monitoring Method: Frequency:	System Management and Nuclear Oversight Committee Annually
Omaha Public Power District	October 15, 2015	Troquency:	6082
Date of Approval:	April 21, 2022 August 18, 2022	Resolution No.:	6494 6516

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Refinement Process: Strategic Directives

SD-9

BOARD WORK PLAN

Step 1

Committee chair/director requests during regular All Committee to determine if policy refinement will be added to the Board Work Plan.

PRIORITIZATION

Step 2

Board Chair and CEO convene to confirm priority, resource requirements, and start and finish dates; pending discussion, Chair/CEO will inform committee chair.

PRES & CEO

Step 3

Assigns SMT to policy refinement as appropriate; approves initial drafts for committee review and comment.

COMMITTEE

Steps 4-5

Reviews, revises and finalizes refinements to present to Board.

Committee Chair Committee

BOARD

Steps 6-8

Provides feedback on draft; concur readiness for public posting; approve final committee recommendation via Board vote.

In-Committee

Added to Work Plan June 13, 2023 Committee discussion & recommendation development

June 23, 2023 - present

Board review/decision
July 22, 2023
Public Comment
July 24 - August 13, 2023
Vote

August 17, 2023



System Committee Review: July 13, 2023

Is there anything that requires further clarification?
Is there anything you especially like?
Is there anything that you'd like the Committee to consider before moving this forward for public review and comment?

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Feedback & Outreach – July 24 to August 13, 2023

Board Feedback

- Alterations were made to account for enhanced governance related to OPPD's "Near Term Generation" proposal and included the following subjects:
 - Frequency of Board Updates on progress
 - Board involvement in key decisions
 - Annual board affirmation of current plans
 - Chronological goals for resource contracting

Outreach Effort

- Posted on OPPD Community Connect July 24th
 - 23 comments received
- Board/Executive Leadership Team Contact Center
 - <u>6</u> comments received





Next Step

Option 1: Board Resolution and Vote
 OR

Option 2: Additional Committee Deliberation





Board Action

August 15, 2023

ITEM

SD-9: Integrated System Planning

PURPOSE

To ensure full board review, discussion and acceptance of SD-9: Integrated System Planning.

FACTS

- a. The Systems Management and Nuclear Oversight Committee is responsible for evaluating and monitoring Board Policy SD-9: Integrated System Planning.
- b. The Systems Management and Nuclear Oversight Committee proposed revisions for Board consideration and public feedback on July 22, 2023. Public comments were accepted on OPPDCommunityConnect.com from July 24, 2023 to August 13, 2023.
- c. The Systems Management and Nuclear Oversight Committee is recommending to the Board that Board Policy SD-9: Integrated System Planning be revised as outlined in Exhibit A.

ACTION

Board of Directors approval of SD-9: Integrated System Planning policy, as outlined in Exhibit A.

RECOMMENDED:

APPROVED FOR BOARD CONSIDERATION:

Brally Underwood

Bradley R Underwood

Vice President, Systems Transformation

APPROVED FOR BOARD CONSIDERATION:

L. Javier Fernandez

President and Chief Executive Officer

Attachments: Exhibit A – SD-9: Integrated System Planning Policy Revision

Exhibit B – Presentation

Resolution