


SD-4: Reliability Board Policy Refinement Discussion

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Chief Operating Officer
December 19th, 2023

	OMAHA PUBLIC POWER DISTRICT Board Policy	Category:	Strategic Direction
	Policy No. and Name: SD-4: Reliability	Monitoring Method:	System Management and Nuclear Oversight Committee Board Report
		Frequency:	Annually
		Resolution No.:	6070 6144 6494
Date of Approval:	July 16, 2015 October 13, 2016 April 21, 2022		

Generation and delivery systems must perform at a high level to provide reliable service to customer-owners. The Energy Delivery, Energy Production and Marketing, and Nuclear Business Units of OPPD contribute to reliable electric service to customer-owners.

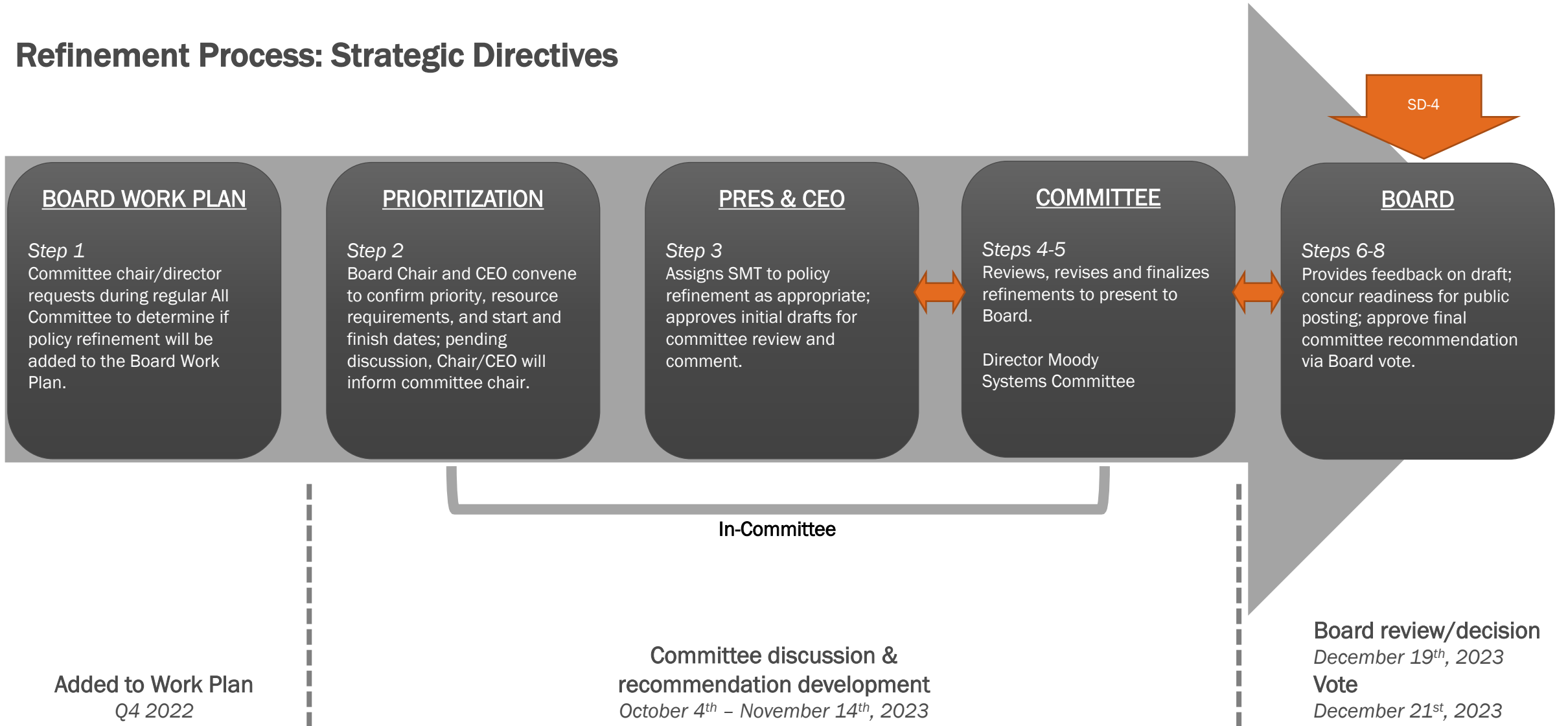
Specifically, OPPD shall:

- Assure all customer energy requirements are met through the use of its generation resources and purchase power portfolio 100 percent of the time.
- Achieve generation reliability by:
 - Maintaining steam unit equivalent availability factor at or above 90% on a three-year rolling average; and
 - Maintaining unit availability above benchmark levels per industry measures such as the NERC* GADS*.
- Achieve electric system reliability by:
 - Limiting the SAIDI* to 90 minutes. This is the average outage duration per customer per year excluding declared major storms; and
 - Maintaining a reliable transmission and distribution system. This will be achieved through performing the necessary maintenance and upgrades in accordance with NERC standards.

“Governance exists in order to translate the wishes of an organization’s owners into organizational performance.”
- John Carver



Refinement Process: Strategic Directives




All Committee Review: November 14th, 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 board action?

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 Generation and delivery systems must perform at a high level to provide reliable service to customer owners. The Energy Delivery, Energy Production and Marketing, and Nuclear Business Units of OPPD contribute to reliable electric service to customer owners. As our communities become more reliant on electric services, the reliability of that service must also continue to improve. The Generation Fleet, Transmission System, and Distribution System are all elements of OPPD's vertically integrated systems to deliver energy service to our customer owners. The reliability of each of these system elements contributes to the overall reliability of our service.

Specifically, therefore, to demonstrate reliable operations of its electric utility system, OPPD shall:

- Assure all customer energy requirements are met through the use of its generation resources and purchased power portfolio 100 percent of the time; and

Achieve generation reliability by:

Generation

- Maintaining steam unit equivalent availability factor at or above 90% on a three-year rolling average; and
- Maintaining unit availability above benchmark levels per industry measures such as the NERC* GADS*. Maintain OPPD's owned generation fleet Equivalent Forced Outage Rate (EFOR*) at or below the middle of the second quartile a benchmark fleet of comparable generation; and

~~Transmission~~ Achieve electric system reliability by:

- ~~Operate and Maintain the system in accordance with all applicable NERC Reliability Standards; and~~

Distribution

- ~~Limiting the SAIDI* to 90 minutes. This is the average outage duration per customer per year excluding declared major storms; and Maintain the System Average Interruption Duration Index (SAIDI*) to top quartile performance for a benchmark of electric utilities, excluding Major Event Days; and~~

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- ~~Maintaining a reliable transmission and distribution system. This will be achieved through performing the necessary maintenance and upgrades in accordance with NERC standards. Maintain the System Average Interruption Frequency Index (SAIFI*) to top quartile performance for a benchmark of comparable electric utilities, excluding Major Event Days.~~

All measures will be tracked on a 12 month rolling average basis.

*Defined in glossary

Exhibit A – Proposed Changes

Next Step

- Option 1: Board Resolution and Vote

OR

- Option 2: Additional Committee Deliberation