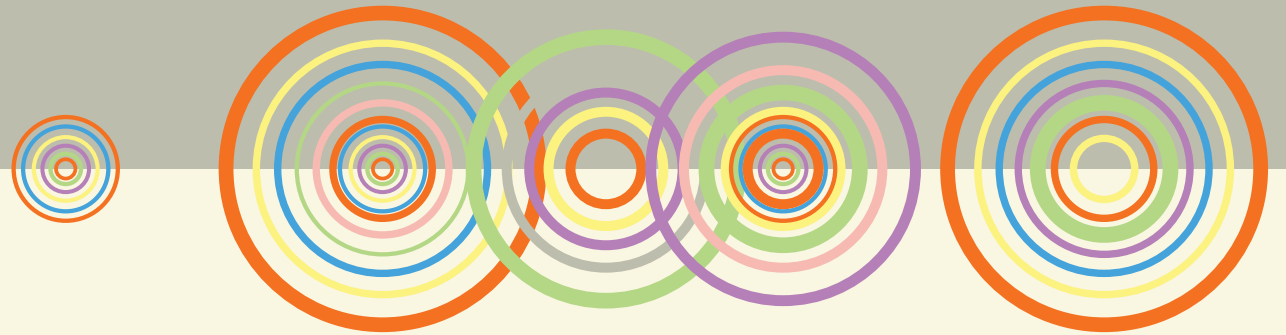


SD-4: RELIABILITY MONITORING REPORT

➤ April 2026



System Management & Nuclear Oversight Committee Report
Troy Via, COO & VP Utility Operations



SUMMARY SD-4: RELIABILITY

As our communities become more reliant on electric services, reliability must also continue to improve. The generation fleet, transmission system, and distribution system are all elements of OPPD's vertically integrated systems to delivery energy services to our customer-owners. The reliability of each of these system elements contributes to the overall reliability of our service. Therefore, to demonstrate reliable operations of its electric utility system, OPPD shall:

RESOURCES



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

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

GENERATION



Maintain OPPD's owned generation fleet Equivalent Forced Outage Rate (EFOR*) at or below the middle of the second quartile of a benchmark fleet of comparable generation; and

TRANSMISSION



Operate and maintain the system in accordance with all applicable NERC Reliability Standards; and

DISTRIBUTION



Maintain the System Average Interruption Duration Index (SAIDI*) and System Average Interruption Frequency Index (SAIFI*) to top quartile performance for a benchmark of comparable electrical utilities, excluding Major Event Days;

SD-4

COMPLIANCE

PERFORMANCE SD-4: RELIABILITY

RESOURCES



OPPD had generation and energy supply available to meet customer demands throughout all of 2025.

GENERATION



More improvement needed to reduce forced generation outages.

EFOR RESULTS

2025: **17.5%**
Goal: 10.5%
5-Year Av.: **14.6%**
Industry Av.: 15.5%

TRANSMISSION



OPPD has met all regulatory requirements to ensure a reliable transmission system.

DISTRIBUTION



Customer outage frequency met first quartile target, duration exceeded the goal.

(minutes)	SAIDI	SAIFI
2025:	98	0.73
Goal:	90	0.90
5-Year Av.:	76	0.59
Ind. Av.:	135	1.06

SD-4

COMPLIANCE

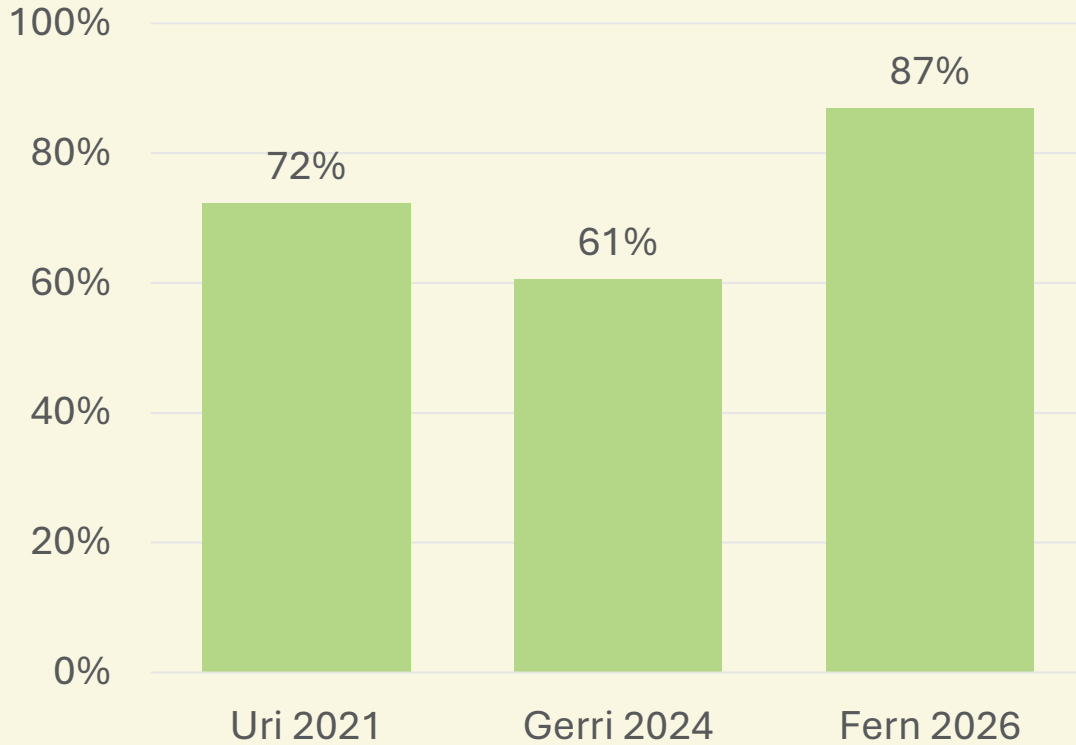


GENERATION RELIABILITY

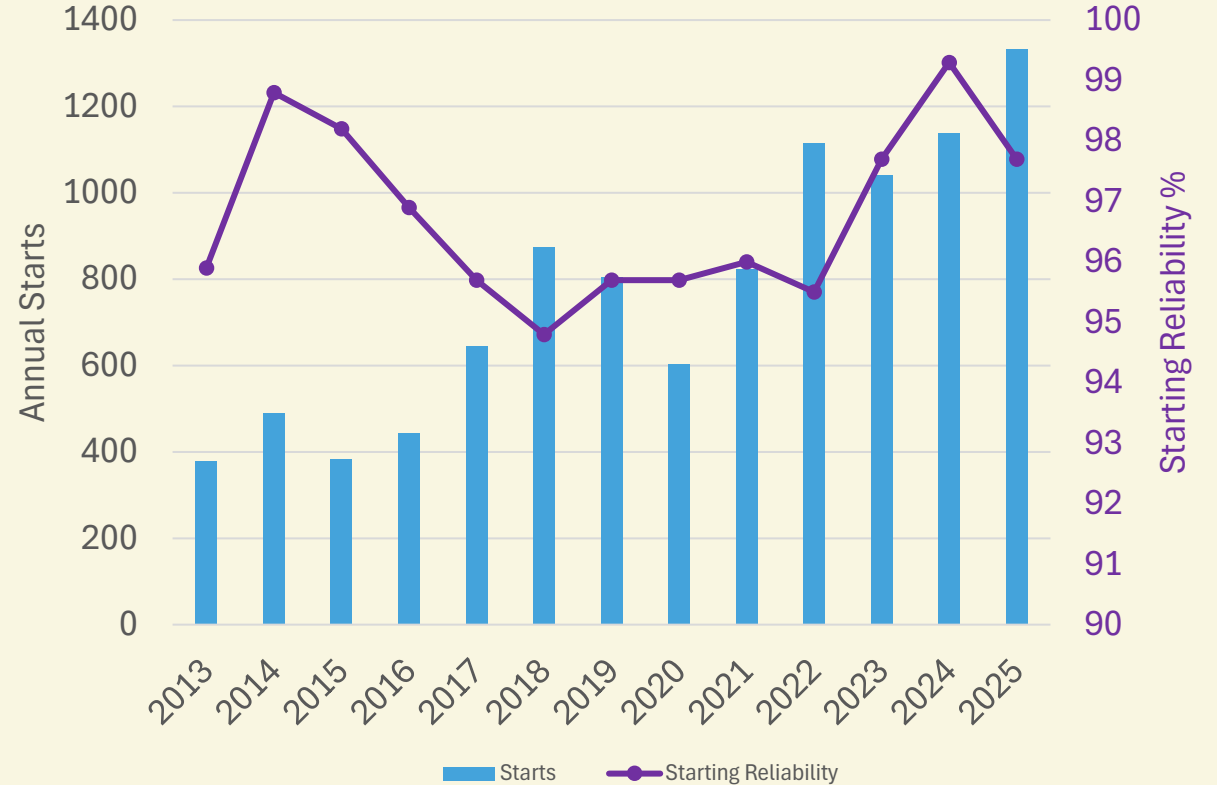
GENERATION: Improvement Highlights



Winter Storm Availability



OPPD Fleet Annual Starts and Starting Reliability

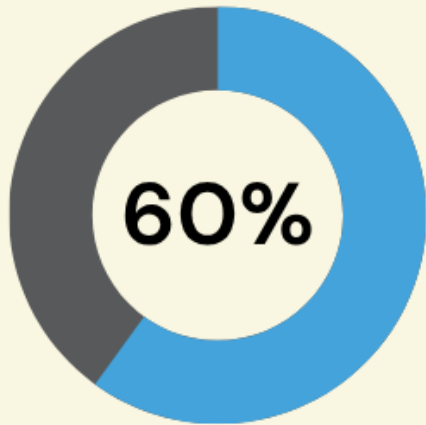


Significant investment and effort in winter performance and starting reliability over the past years have yielded major improvements

GENERATION

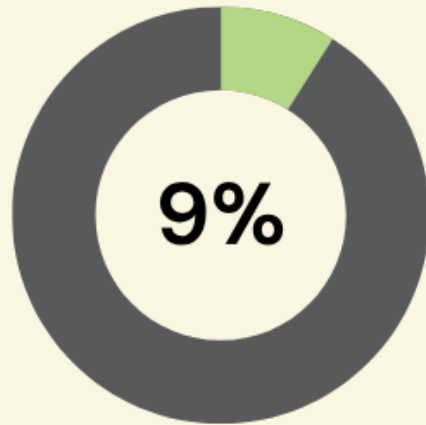
5-Year Outage Drivers and Actions

ASSET MANAGEMENT



The leading cause within the asset management category was component defects that resulted in preventable equipment failures.

HUMAN PERFORMANCE



Human performance also is a key contributor to generation outages, creating improvement opportunities.

Asset Management

Systems and processes to detect and prevent failure or mitigate the consequence

- Accelerated major equipment replacement
- Predictive maintenance program growth
- Critical Sparing
- EPRI Partnership / Asset Management program
- Dedicated Reliability staff
- Fail Modes Analysis / Maintenance Basis

Human Performance

Systems and processes that set employees up for success

- Procedure development and enhancement
- Alarm Management program
- Advanced operator training program
- Human Factors

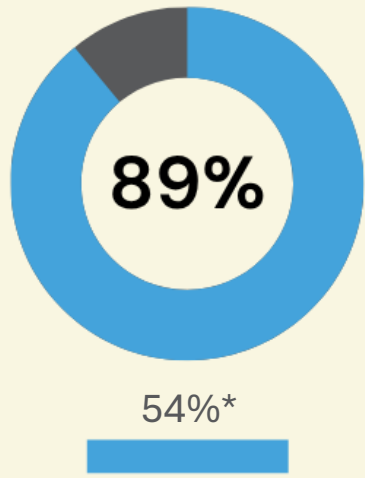


DISTRIBUTION RELIABILITY

Total Customer Experience

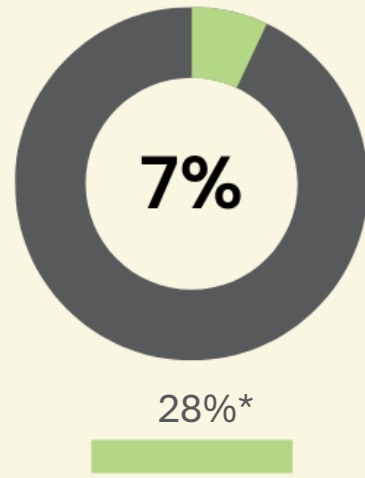
The average OPPD customer experienced 558 minutes without power – if major storms are included.

TREES AND WEATHER



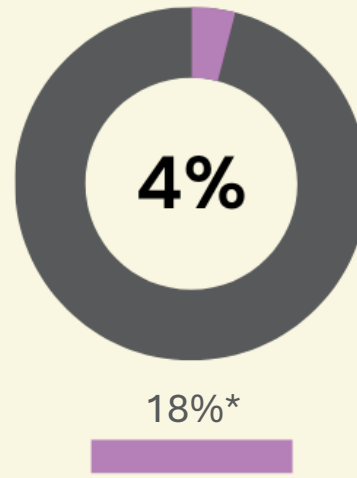
Customers experienced outages from both record winds and storms across the service territory in 2025.

CABLE & EQUIPMENT FAILURE



System investments have made an impact for cable and equipment failures. Failures are down by more than 30% over the past five years.

PUBLIC & WILDLIFE



Public- and wildlife-caused impacts to the grid make up the remainder of outages.

*Excludes Major Event Days

Tree and weather impacts together drive the customer experience. OPPD continues to focus on trimming and system resilience actions.



RECOMMENDATION:

The System Management & Nuclear Oversight Committee has reviewed and accepted this Monitoring Report for SD-4 and **recommends that the Board finds OPPD is taking reasonable and appropriate measures to comply** with Board Policy SD-4.

SD-4 Performance

- Through our own generation, purchased power agreements, and the integrated market, OPPD had energy supply needed to meet demand 100% of the time.
- Continued investment in reliability is needed to reduce forced generation outages.
- The frequency of distribution system outages met the first quartile goal while trees and weather drove the duration over the target in 2025.
- Met applicable NERC transmission reliability standards.

Any reflections on

➤ what has been accomplished, challenges and/or strategic implications?

