



# Agenda

**OPPDP Board of Directors – All Committees Meeting**  
**Tuesday, February 13, 2024**  
**CLOSED SESSION – 9:30 A. M. – PUBLIC SESSION 10:00 A.M.**

*Conducted in person at BCBS, Aksarben Conference Room and virtually via WebEx audio/video conference. Public may attend remotely by going to [www.oppd.com/CommitteeAgenda](http://www.oppd.com/CommitteeAgenda) to access the WebEx meeting link or the public may watch the WebEx at BCBS, 1919 Aksarben Dr –Wahoo Room Omaha, NE, which will be set up as a physical location to view the WebEx.*

	<b>TOPIC</b>	<b>TYPE</b>	<b>PRESENTER</b>	<b>TIME*</b>	
1.	<b>Chair Opening Statement</b>		Williams	9:30	<b>A.M.</b>
2.	<b>Closed Session</b>			9:35	<b>A.M.</b>
	Appointment of Vice President – Safety & Facilities	Action	Fernandez	15	min
	<i>Break – Open WebEx to Allow Public to Join</i>			9:50	<b>A.M.</b>
3.	<b>Public Session – Chair Opening Statement</b>		Williams	10:00	<b>A.M.</b>
4.	<b>Safety Briefing</b>		Fernandez	10:05	<b>A.M.</b>
5.	<b>Governance Committee</b>			10:10	<b>A.M.</b>
	Governance Chair Report (02/06/24)	Reporting	Bogner	5	min
	Appointment of Vice President – Safety & Facilities	Action	Fernandez	10	min
	SD-12: Information Management and Security Policy Revisions	Discussion	Brown	10	min
6.	<b>Finance Committee</b>			10:35	<b>A.M.</b>
	Finance Chair Report (02/02/24)	Reporting	Spurgeon	5	min
	Claim Settlement in Excess of \$50,000 - 14075 Ida Street, Omaha, NE	Reporting	Focht	5	min
	Pledged Securities	Reporting	Bishop	5	min
7.	<b>Customer &amp; Public Engagement Committee</b>			10:50	<b>A.M.</b>
	C & PE Chair Report (02/05/24)	Reporting	Howard	5	min
	Legislative and Regulatory Update	Reporting	Olson	20	min
	Grants Update	Reporting	Olson	5	min
	Product and Services Update / Renewable Energy Credit Update	Reporting	McAreavey	10	min
	<i>Break for Lunch</i>			11:30	<b>A.M.</b>
8.	<b>System Management &amp; Nuclear Oversight Cmte</b>			12:10	<b>P.M.</b>
	SM & NO Chair Report (01/31/24)	Reporting	Core	5	min
	SD-6: Safety Monitoring Report	Action	Christensen	10	min
	Nuclear Oversight Committee Quarterly Report	Reporting	Via	10	min
	Integrated Distribution Plan Scope and Overview	Reporting	Underwood	30	min
	Advanced Metering Infrastructure (AMI) Program Update	Reporting	Underwood	15	min
	15kV Metalclad Switchgear Cubicles and Switchgear Enclosure	Action	Via	5	min
9.	<b>Other Business</b>			1:25	<b>P.M.</b>
	Confirmation of Board Meeting Agenda	Action	Williams	5	min
	Review of Board Work Plan	Discussion	Williams	5	min
	New Generation and Transmission Update	Reporting	Via / Underwood	30	min

\* All times and duration are estimates. Please use the link below to find board agendas, materials and schedules. Board governance policies and contact information for the board and senior management team also can be found at [www.oppd.com/BoardMeetings](http://www.oppd.com/BoardMeetings).

## Physical Safety



Feeling ill?



Locate AED's, exits  
and first aid



Environmental  
hazards



Identify help



Active shooter

## Psychological Safety



Respect



Healthy conflict



Multiple  
perspectives



Trust



Culture of  
curiosity

## CyberSecurity

**See something, say something** - the sooner the better

- Identify unknown phone numbers(s) or person(s) in virtual meetings



**Central Station:** 531-226-3700 for an emergency  
**Safety:** 531-226-7233 (SAFE) to report a safety issue  
**OPPD Service Desk:** 531-226-3848  
**Huddle Space Security:** 402-982-8200

Your Energy Partner<sup>®</sup>  
**OPPD**  
Omaha Public Power District

# Safety Focus for February

## 1. Pre-job briefs.

*For some employees at OPPD it's a regulatory requirement but discussing work before getting started is a human performance tool we all can use.*

## 2. Warm up to avoid sprain, strain, and tear injuries.

*Regardless of what your job entails, or what you do when at home, warming up and stretching can reduce stress, increase energy, and reduce the risk of a sprain, strain, or tear injury.*

## 3. Heart Health Month.

*February is American Heart Month, a time when all of us can focus on our cardiovascular health.*



## Pre-Committee Agenda

GOVERNANCE PRE-COMMITTEE MEETING  
WEBEX VIDEOCONFERENCE  
February 6, 2024, 8:00 – 9:00 A.M.

1. Safety Briefing (Purnell – 2 min)
2. Prior Month Pre-Committee Action Items (DeSeure – 1 min)
  - a. Objective: Review and confirm prior pre-committee action items have been completed.
3. Annual Committee Charter Review (Bogner – 10 min)
  - a. Objective: Complete Committee Charter review and identify any appropriate changes for Board consideration.
4. Appointment of VP, Safety & Facilities (Purnell/Fernandez – 10 min)
  - a. Objective: Confirm appointment & address any committee member questions.
5. Governance Committee Planning Calendar (Focht – 10 min)
  - a. Objective: Review and confirm items on the Planning Calendar.
6. Board Work Plan – Governance Committee Items (Focht – 15 min)
  - a. Objective: Review current board work plan and discuss status updates.
    - a. Review of BL-1 (the Board-CEO relationship, BL-5 (unity of control, & BL-7 (delegation to the CEO)
    - b. Review and update processes related to committee (Parliamentarian)
7. Summary of Meeting (2 min)
  - a. Objective: Summarize action items from committee discussion



2024 Agenda Planning Calendar

<b>GOVERNANCE ITEMS</b>	<b>TYPE</b>	<b>PRESENTER</b>	<b>ALL COMMITTEE TIME (mins)</b>
<b>Governance Pre-Committee (03/12/2024)</b>			
Update to Retirement Plan, 401(k) and 457 Savings Plans	Reporting	Purnell	5
Enterprise Risk Management Quarterly Update (CLOSED SESSION)	Reporting (Closed)	Focht	30
CEO Performance Evaluation	Discussion (Closed)	Purnell	
SD-1: Strategic Foundation Monitoring Report	Action	Focht	15
SD-12: Information Management and Security Policy Revisions	Action	Brown	10
Standing Committee Charters Revisions and District's Bylaws and Board Policies Updates	Action	Focht	5
<b>Governance Pre-Committee (04/09/2024)</b>			
Enterprise Risk Management - Physical Security -- CLOSED SESSION	Reporting (Closed)	Focht	30
<b>Governance Pre-Committee (05/07/2024)</b>			
2024 Executive Compensation Study - CLOSED SESSION	Discussion (Closed)	Purnell	60
Bylaw and Standing Committee Charter Amendment	Action	Focht	10



# Board Action

## BOARD OF DIRECTORS

February 15, 2024

### ITEM

Appointment of Corporate Officer

### PURPOSE

Appointment of Vice President - Safety & Facilities

### FACTS

- a. Gina Langel has more than three decades of relevant experience:
  - She worked at Metropolitan Utility District (M.U.D.) from 1990 to 2005 as a Utilization Engineer and as Assistant Superintendent – Gas Production. She served as Senior Vice President and Chief Operating Officer at M.U.D. from 2021 to 2023.
  - She joined OPPD in 2005 and served in various roles including Engineer – Demand- Side and Sustainability Management; Manager – Fossil Fuels; and Director – Continuous Improvement.
- b. Mrs. Langel holds a bachelor's degree in mechanical engineering from the University of Nebraska at Lincoln. She also has a master's degree in business administration from the University of Nebraska at Omaha.

### ACTION

Board approval of the appointment of Gina Langel to the position of Vice President - Safety & Facilities.

APPROVED FOR BOARD CONSIDERATION:

DocuSigned by:

AC399FDC56247E

L. Javier Fernandez  
President and Chief Executive Officer

Attachments: Resolution  
Exhibit A

EXHIBIT A  
OMAHA PUBLIC POWER DISTRICT  
SALARY ACTION FOR CORPORATE OFFICERS  
EFFECTIVE FEBRUARY 18, 2024

	Proposed <u>Salary</u>	% of <u>Midpoint</u>
Gina Langel Vice President - Safety & Facilities	\$305,200	83.0%



Bogner/Fernandez

**RESOLUTION NO. 66xx**

**WHEREAS**, the Vice President Safety & Facilities is accountable to drive and own the development, nurturing and commitment to OPPD's strong culture of employee safety.

**WHEREAS**, the Vice President Safety & Facilities is accountable for the safety of our employees' individual health and job performance; for the buildings and resources utilized by those individuals every day; and for OPPD's preparedness to continue delivering essential service during emergency events.

**WHEREAS**, the Vice President Safety & Facilities is accountable for oversight of the corporate direction for the effective and innovative design, delivery, and maintenance of all OPPD work locations and working environments.

**WHEREAS**, the Vice President Safety & Facilities is accountable for adherence to and monitoring of the following Strategic Directive:

- SD-6: Safety

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of the Omaha Public Power District that the appointment of Gina Langel as Vice President Safety & Facilities, and the compensation as set forth on the attached exhibit, be and are hereby approved effective February 18, 2024.



# Reporting Item

## BOARD OF DIRECTORS

February 13, 2024

### ITEM

Revisions to SD-12: Information Management and Security Policy

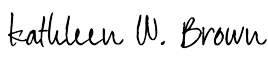
### PURPOSE

To advance the process of Board review, discussion and acceptance of SD-12: Information Management and Security policy revisions.


### FACTS

- a. The Governance Committee is responsible for evaluating and monitoring Board Policy SD-12: Information Management and Security.
- b. A request to affirm that SD-12: Information Management and Security is still relevant and provides sufficient direction to the district, especially given the volume and complexity of change happening in this space was an item on the Board's work plan.
- c. During the SD-12: Information Management and Security monitoring report discussion on November 14, 2023, members of the Board expressed interest in management's recommendations for potential revisions to this policy.
- d. The Governance Committee reviewed management's recommendation for SD-12 potential policy revisions and requested the proposed changes – attached hereto as Exhibits A and B – be shared with the Board for its feedback.


### RECOMMENDED:

DocuSigned by:  
  
04136B6A44F34CF  
Kathleen W. Brown  
Vice President and Chief  
Information Officer

### APPROVED FOR BOARD CONSIDERATION:

DocuSigned by:  
  
AC300EDCE56247E  
L. Javier Fernandez  
President and Chief Executive Officer

Attachments: Exhibit A – Redline Version of SD-12  
Exhibit B – Clean Version of SD-12  
Exhibit C – Policy Refinement SD-12

	OMAHA PUBLIC POWER DISTRICT Board Policy	Category:	Strategic Direction
	Policy No. and Name:  SD-12: <u>Security and Information Management and Security</u>	Monitoring Method:	Governance Committee Board Report
		Frequency:	Annually
Date of Approval:	October 15, 2015 March 10, 2016 October 13, 2016 <u>February 15, 2024</u>	Resolution No.:	6082 6114 6146 <u>66XX</u>

Robust security and information management ~~and security~~ practices are critical to effective risk management and to ensure regulatory compliance, business resiliency and customer-owner satisfaction, and the safeguarding of people and facilities.


~~OPPDP shall safeguard and protect data, information and assets from inappropriate use, improper disclosure and unauthorized release.~~

Therefore. OPPD shall take prudent and reasonable measures to ensure:

- A safe and secure environment for all OPPD personnel, contractors, visitors, operations, and properties.
- Security processes support emergency management, vulnerability, and behavioral threat management programs, and utilize applicable national, industrial and communications security best practices.
- ~~Information Security: OPPD will implement p~~Processes and methodologies ~~to~~ protect print, electronic, or any other form of information or data from unauthorized access, misuse, disclosure, destruction, or modification.
- Customer ~~p~~Privacy: ~~Except as provided by law or for a business purpose, OPPD and protection of customer-owner information, preventing any will not dissemination ofe~~ customer-owner information to a third party for non-OPPDP business purposes without customer-owner consent or except as provided by law or for a business purpose.
- ~~Records Management: The e~~Efficient and systematic control of OPPD records inclusive of, identification, classification, storage, security, retrieval, tracking and destruction or permanent preservation of records.
- ~~Compliance: Comply~~ Technology compliance with contractual and legal requirements through the use of technical controls, system audits and legal review.



Exhibit B

	<p>OMAHA PUBLIC POWER DISTRICT Board Policy</p>	<p>Category:</p>	<p>Strategic Direction</p>
	<p>Policy No. and Name:</p> <p><b>SD-12: Security and Information Management</b></p>	<p>Monitoring Method:</p>	<p>Governance Committee Board Report</p>
		<p>Frequency:</p>	<p>Annually</p>
<p>Date of Approval:</p>	<p>October 15, 2015 March 10, 2016 October 13, 2016 February 15, 2024</p>	<p>Resolution No.:</p>	<p>6082 6114 6146 <b>66XX</b></p>

Robust security and information management practices are critical to effective risk management and to ensure regulatory compliance, business resiliency and customer-owner satisfaction, and the safeguarding of people and facilities.

Therefore, OPPD shall take prudent and reasonable measures to ensure:

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- Security processes support emergency management, vulnerability, and behavioral threat management programs, and utilize applicable national, industrial and communications security best practices.
- Processes and methodologies protect print, electronic, or any other form of information or data from unauthorized access, misuse, disclosure, destruction, or modification.
- Customer privacy and protection of customer-owner information, preventing any dissemination of customer-owner information to a third party for non-OPPD business purposes without customer-owner consent or except as provided by law or for a business purpose.
- Efficient and systematic control of OPPD records inclusive of, identification, classification, storage, security, retrieval, tracking and destruction or permanent preservation of records.
- Technology compliance with contractual and legal requirements through the use of technical controls, system audits and legal review.




Exhibit C

# SD 12: Information Management and Security Board Policy Refinement Discussion February 13, 2024

Kate Brown  
CIO and Vice President Technology & Security



# SD 12: Information Management and Security

	<b>OMAHA PUBLIC POWER DISTRICT Board Policy</b>	<b>Category:</b>	Strategic Direction
	<b>Policy No. and Name:</b>  <b>SD-12: Information Management and Security</b>	<b>Monitoring Method:</b>	Governance Committee Board Report
		<b>Frequency:</b>	Annually
<b>Date of Approval:</b>	October 15, 2015 March 10, 2016 October 13, 2016	<b>Resolution No.:</b>	6082 6114 6146

Robust information management and security practices are critical to effective risk management and to ensure regulatory compliance, business resiliency and customer-owner satisfaction.

OPPDP shall safeguard and protect data, information and assets from inappropriate use, improper disclosure and unauthorized release.

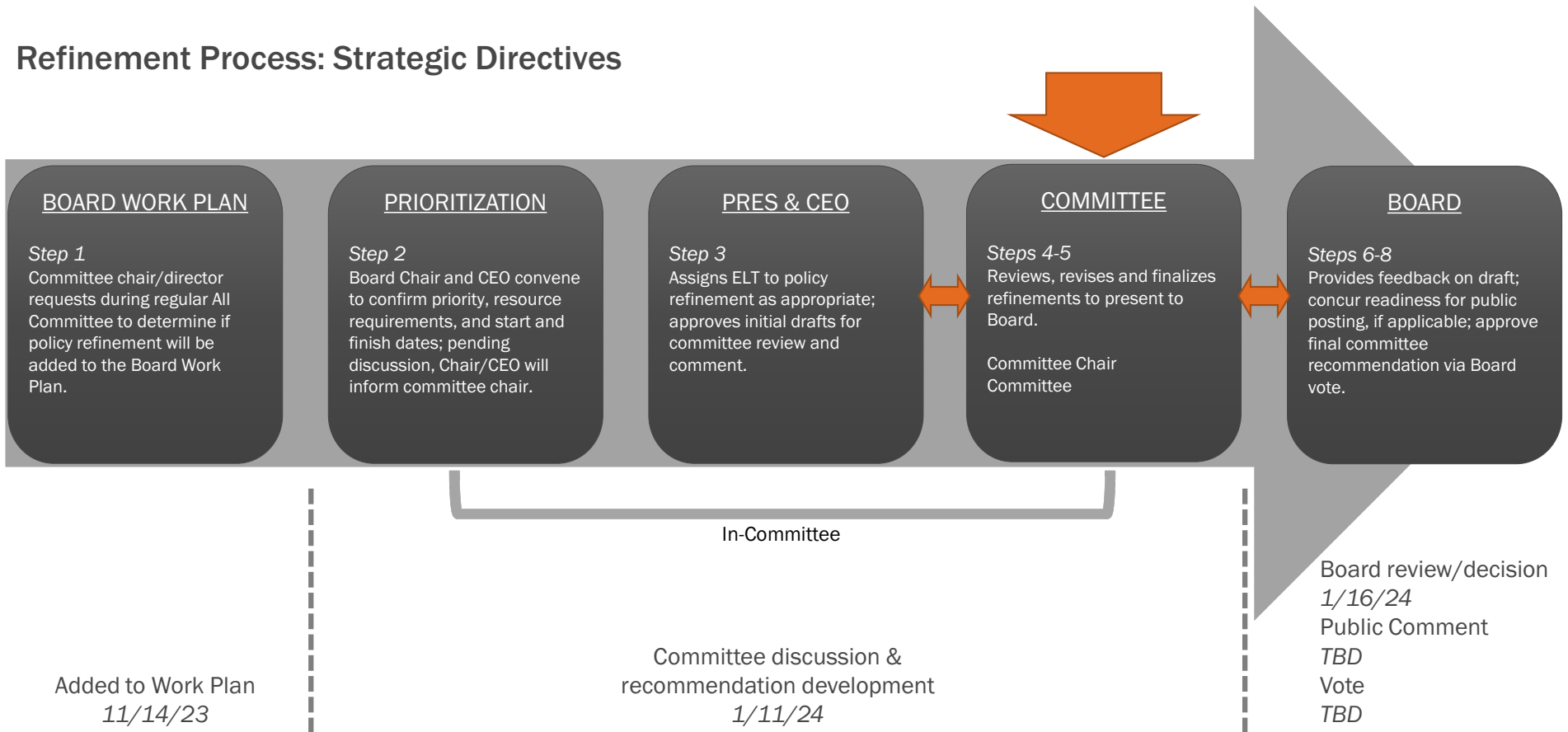
OPPDP shall take prudent and reasonable measures to ensure:

- *Information Security:* OPPDP will implement processes and methodologies to protect print, electronic, or any other form of information or data from unauthorized access, misuse, disclosure, destruction, or modification.
- *Customer Privacy:* Except as provided by law or for a business purpose, OPPDP will not disseminate customer-owner information to a third party for non-OPPDP business purposes without customer-owner consent.
- *Records Management:* The efficient and systematic control of OPPDP records inclusive of, identification, classification, storage, security, retrieval, tracking and destruction or permanent preservation of records.
- *Compliance:* Comply with contractual and legal requirements through the use of technical controls, system audits and legal review.

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



## Refinement Process: Strategic Directives





# Today's Discussion

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?

	<b>OMAHA PUBLIC POWER DISTRICT Board Policy</b>	<b>Category:</b> Strategic Direction
	<b>Policy No. and Name:</b> <b>SD-12: Security and Information Management and Security</b>	<b>Monitoring Method:</b> Governance Committee Board Report <b>Frequency:</b> Annually
<b>Date of Approval:</b> October 15, 2015 March 10, 2016 October 13, 2016 DRAFT REVISION	<b>Resolution No.:</b> 6082 6114 6146 TBD	

	<b>OMAHA PUBLIC POWER DISTRICT Board Policy</b>	<b>Category:</b> Strategic Direction
	<b>Policy No. and Name:</b> <b>SD-12: Security and Information Management</b>	<b>Monitoring Method:</b> Governance Committee Board Report <b>Frequency:</b> Annually
<b>Date of Approval:</b> October 15, 2015 March 10, 2016 October 13, 2016 DRAFT REVISION	<b>Resolution No.:</b> 6082 6114 6146 TBD	

Robust security and information management and security practices are critical to effective risk management and to ensure regulatory compliance, business resiliency and customer-owner satisfaction, and the safeguarding of people and facilities.

~~OPPD shall safeguard and protect data, information and assets from inappropriate use, improper disclosure and unauthorized release.~~

Therefore, OPPD shall take prudent and reasonable measures to ensure:

- A safe and secure environment for all OPPD personnel, contractors, visitors, operations, and properties.
- Security processes support emergency management, vulnerability, and behavioral threat management programs, and utilize applicable national, industrial and communications security best practices.
- ~~Information Security: OPPD will implement p~~Processes and methodologies ~~to~~ protect print, electronic, or any other form of information or data from unauthorized access, misuse, disclosure, destruction, or modification.
- ~~Customer p~~Privacy: ~~Except as provided by law or for a business purpose, OPPD and will~~ not disseminate customer-owner information to a third party for non-OPPD business purposes without customer-owner consent ~~or except as provided by law or for a business purpose.~~
- ~~Records Management: The e~~Efficient and systematic control of OPPD records inclusive of, identification, classification, storage, security, retrieval, tracking and destruction or permanent preservation of records.
- ~~Compliance: Comply Technology compliance~~ with contractual and legal requirements ~~through the, use of~~ technical controls, system audits and legal review.

Robust security and information management practices are critical to effective risk management and to ensure regulatory compliance, business resiliency and customer-owner satisfaction, and the safeguarding of people and facilities.

Therefore, OPPD shall take prudent and reasonable measures to ensure:

- A safe and secure environment for all OPPD personnel, contractors, visitors, operations, and properties.
- Security processes support emergency management, vulnerability, and behavioral threat management programs, and utilize applicable national, industrial and communications security best practices.
- Processes and methodologies protect print, electronic, or any other form of information or data from unauthorized access, misuse, disclosure, destruction, or modification.
- Customer privacy and not disseminate customer-owner information to a third party for non-OPPD business purposes without customer-owner consent or except as provided by law or for a business purpose.
- Efficient and systematic control of OPPD records inclusive of, identification, classification, storage, security, retrieval, tracking and destruction or permanent preservation of records.
- Technology compliance with contractual and legal requirements ~~through the use of~~ technical controls, system audits and legal review.

# Next Steps

- Determine if committee is ready to review with the Board and if a public review/comment period is desired. (Governance Committee)
- Confirm target date for Board vote. (Governance Committee)





## Pre-Committee Agenda

FINANCE PRE-COMMITTEE MEETING  
VIDEOCONFERENCE  
February 2, 2024 8:00 – 9:00AM

- 1) Safety Briefing (de la Torre – 3 min)
  - a) Promote awareness of current safety focus.
- 2) Claim Settlement Report (Focht –5 min)
  - a) Objective: Report settlement of a claim in excess of \$50,000
- 3) Pledged Securities (Bishop – 5 min)
  - a) Objective: Inform the Board the bank balances above FDIC levels are secured by pledged securities.
- 4) Preliminary 2023 Financial Results (Bishop – 10 min)
  - a) Objective: Update on the 2023 financial results and answer questions.
- 5) Annual Committee Charter Review (Spurgeon – 10 min)
  - a) Objective: Complete Finance Committee and Audit Subcommittee Charter review and identify any appropriate changes for Board consideration
- 6) Annual Work Plan – Finance Committee Items (Bishop - 10 min)
  - a) Objective: Committee members to review and confirm items on the Board Work Plan.
- 7) Summary of Meeting (de la Torre - 2 min)
  - a) Objective: Summarize action items from committee discussion.



# Reporting Item

February 13, 2024

## ITEM

Claim Settlement Report

## PURPOSE

Report settlement of a claim in excess of \$50,000

## FACTS

- a. On July 20, 2023, a District crew damaged a fiber duct containing five (5) 288 count fiber cables at or near 14075 Ida Street, Omaha, Nebraska. Three communications companies have ownership of one or more of the fiber cables housed in the damaged duct. One fiber company, OPTK, claimed approximately \$107,500 in total damages for their two fiber cables .
- b. Nebraska State Statute §84-713 requires a report to the Board of Directors for the settlement of any claim in excess of \$50,000.
- c. The District and OPTK have agreed to a settlement in the amount of \$99,990 without any admission of liability by the District. The parties have entered into written settlement.

## RECOMMENDED:

DocuSigned by:

*Scott M. Focht*

9626AD4302E3483

Scott M. Focht  
Vice President – Corporate Strategy and  
Governance

SMF:lsh

## APPROVED FOR REPORTING TO BOARD:

DocuSigned by:

*L. Javier Fernandez*

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L. Javier Fernandez  
President and Chief Executive Officer



# Reporting Item

## BOARD OF DIRECTORS

February 13, 2024

### ITEM

Pledged Securities

### PURPOSE

Report that the District's deposit balances held at financial institutions are sufficiently guaranteed.

### FACTS

- a. Nebraska statutes require that District balances held at financial institutions in excess of Federal Deposit Insurance Corporation ("FDIC") limits are sufficiently guaranteed with pledged securities.
- b. Exhibit A identifies financial institutions which have District funds on deposit and separately lists those financial institutions with balances above and below the FDIC limits.
- c. The District and its financial institutions monitor balances on a daily basis to ensure that sufficient levels of pledged securities are in place.

### RECOMMENDED:

### APPROVED FOR REPORTING TO BOARD:

DocuSigned by:

*Jeffrey Bishop*

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Jeffrey M. Bishop

Vice President and Chief Financial Officer

DocuSigned by:

*L. Javier Fernandez*

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L. Javier Fernandez

President and Chief Executive Officer

JMB:drs

Attachment: Exhibit A

**EXHIBIT A**

**OMAHA PUBLIC POWER DISTRICT**

**FINANCIAL INSTITUTIONS WITH DEPOSIT BALANCES ABOVE  
FDIC COVERAGE LIMITS OF \$250,000 \***

**AS OF JANUARY 1, 2024**

Wells Fargo Bank, N.A.

US Bank, N.A.

- \* **These financial institutions have agreed with the District to deposit, pledge, or grant a security interest in a single pool of securities to secure the repayment of all District funds on deposit in excess of FDIC coverage limits.**

**FINANCIAL INSTITUTIONS WITH DEPOSIT BALANCES BELOW  
FDIC COVERAGE LIMITS OF \$250,000**

**AS OF JANUARY 1, 2024**

Access Bank

First Westroads Bank

American National Bank - Nebraska City

Western National Bank - Louisville

Community State Bank – Cedar Bluffs

Pinnacle Bank - Louisville

Riverstone Bank - Eagle

Platte Valley Bank - North Bend

Farmers & Merchants Bank – Weeping Water

Premier Bank

Farmers & Merchants Bank - Ashland

Horizon Bank - Springfield

First Bank of Nebraska - Syracuse

RVR Bank - Arlington

First Nebraska Bank – Valley

Washington County Bank – Blair



## Pre-Committee Agenda

CUSTOMER AND PUBLIC ENGAGEMENT PRE-COMMITTEE MEETING  
WEBEX VIDEOCONFERENCE  
February 5, 2024 4:00 – 5:00 P.M.

1. Safety Briefing (McAreavey – 2 min)
  - a. Objective: Promote awareness of current safety focus.
2. Legislative Update (Olson – 30 min)
  - a. Objective: Provide an update on state legislative topics supported by and impacting OPPD
3. Grants Update (Olson – 10 min)
  - a. Objective: Provide an update about grants being pursued and granted in support of OPPD mission
4. Generation Communication Plan Update (Olson – 10 min)
  - a. Objective: Debrief the communication plan regards to Generation
5. Annual Committee Charter Review (10 min)
  - a. Objective: Complete Committee Charter review and identify any appropriate changes for Board consideration
6. Board Work Plan – Customer & Public Engagement Committee Items (2 min)
  - a. Objective: Review current board work plan.
7. Summary of Meeting (1 min)
  - a. Objective: Summary of committee action items.



# Reporting Item

## BOARD OF DIRECTORS

February 13, 2024

### ITEM

Legislative and Regulatory Update

### PURPOSE

To provide an update on 2024 state and federal legislative matters, local government affairs and regulatory matters.

### FACTS

- a. Nebraska's 108<sup>th</sup> Legislature 2<sup>nd</sup> session began on January 3, 2024 and ends on April 18, 2024.
- b. The 118<sup>th</sup> Congress began on January 3, 2023 and is expected to end January 3, 2025.

### ACTION

Reporting item

#### RECOMMENDED:

DocuSigned by:  
*Lisa A. Olson*  
46058A9ADE8A409...  
\_\_\_\_\_  
Lisa A. Olson  
Vice President – Public Affairs

#### APPROVED FOR REPORTING TO BOARD:

DocuSigned by:  
*L. Javier Fernandez*  
AC999FDCE56247E...  
\_\_\_\_\_  
L. Javier Fernandez  
President and Chief Executive Officer

Attachment: Legislative Update





# Legislative and Regulatory Update

February 13, 2024



# State legislative calendar 2024 (short session)

- January 17 – Final day of bill introduction – 596 bills were introduced this session
- January 22 - Public hearings begin
- February 14 – Last day to submit letter for speaker priority bills
- February 15 – Deadline for designation of committee and senator priority bills
- February 20 – Announcement of 2024 speaker priority bills
- February 29 – Final day of public hearings
- March 4 – Full day floor debate begins
- March 7 - Appropriations Committee’s mid-biennium budget bills placed on general file
- March 12-26 - Planned for debate and passage of the mid-biennium budget bills
- March 18-April 9 - Possibility for extended floor debate in the evenings
- April 18 - Day 60 of the legislative session

# State legislative session for 2024

- LB1370 – dispatchable for dispatchable energy
- LB399 – wind for export changes
- LB255, LB394, & LB1366 – eminent domain
- LB61 – Broadband/ Dark Fiber
- LB1234 – Weatherization funding
- LB1218 – EVs
- LB1277 – Potential NEMA changes
- Deceptive practices for door-to-door solar installers
- LB969 – Raising the sealed bid threshold
- LB1358 – Board salary increases
- LB1300 – Adopt the Pacific Conflict Stress Test Act and Foreign Adversary Contracting Prohibition Act
- ESG
- Economic development and incentives
- Rail issues
- Open meetings
- Digital currency
- Retirement issues
- Energy codes
- Cybersecurity
- Partisan elections

# OPPD priority bill hearing schedule

- February 1 – LB1370 – Provide requirements for retirement of a dispatchable electric generation facility by an electric supplier
- February 2 – LB1234 – Appropriate funds to the Department of Environment and Energy
- February 2 – LB1366 – Change provisions to the use of eminent domain
- February 7 – LB969 – Change provisions relating to contracts and sealed bids for public power districts
- February 7 – LB1358 – Require approval of the registered voters to increase salaries of governing bodies of political subdivisions as prescribed
- February 8 – LB837 – Change procedures for voting or election precincts for public power districts
- February 8 - LB1300 – Adopt the Pacific Conflict Stress Test Act and the Foreign Adversary Contracting Prohibition Act

## Federal issues for 2024 and beyond

- Microgrid for Offutt
- WRDA language to address ice jams on the Missouri River
- Interactions with APPA, LPPC, NEI, ACP

# Next steps

- Board communication process continues
  - Weekly recaps
  - Directors Updates
  - Legislative bill status updates
  - Monthly Customer and Public Engagement (CPE) updates at pre-committee meetings
  - Board committee meeting updates





# Reporting Item

## BOARD OF DIRECTORS

February 13, 2024

### ITEM

Grants Update

### PURPOSE

To provide an update on recent grant activity, including OPPD's approach to the funding opportunities available and status of grants funded and awarded at the state and federal level.

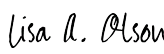
### FACTS

- a. The Infrastructure Investment and Jobs Act was passed in November 2021 and funding runs for five years.
- b. The Inflation Reduction Act was passed in August 2022 and funding runs for ten years.


### ACTION

Reporting item

#### RECOMMENDED:

DocuSigned by:  
  
46058A9ADE8A400...  
\_\_\_\_\_  
Lisa A. Olson  
Vice President – Public Affairs

#### APPROVED FOR REPORTING TO BOARD:

DocuSigned by:  
  
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\_\_\_\_\_  
L. Javier Fernandez  
President and Chief Executive Officer

Attachment: Grants Update



# Grants Update

February 13, 2024

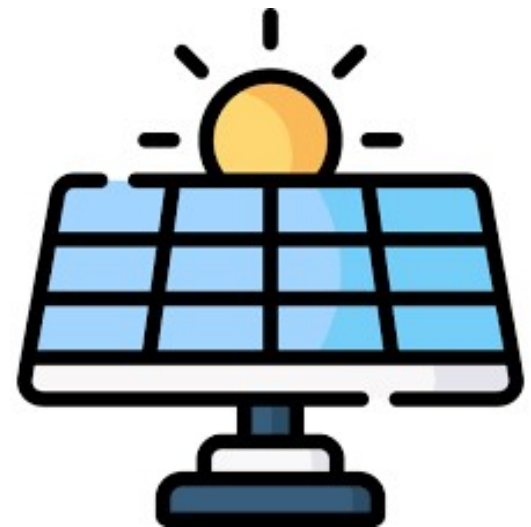


# Grants Funded (Work in Progress)

- Department of Energy (DOE) – OPPD Grid Resiliency & Modernization Grant
  - \$7,787,500 - Congressionally-funded project through Senator Bacon’s office
- FY21 Federal Emergency Management Agency (FEMA) Building Resilient Infrastructure and Community (BRIC)
  - \$150,018.75
- Nebraska Environmental Trust - Solar on Landfills Utility Scale (SOLUS) Grant
  - \$3,600,000 for 3 years
- Nebraska Department of Labor Worker Training Grant
  - \$35,000
- Infrastructure Investment and Jobs Act – Department of Energy (DOE) Grid Innovation Grant (transmission projects)
  - \$87,500,000

# Grants Awarded (or Pending)

- Nebraska Environmental Trust
  - Solar Corner Cash
  - \$500,000
- Environmental Protection Agency (EPA)
  - Solar For All Grant
  - Nebraska Department of Environment and Energy lead, statewide application (pending)
  - \$70,500,000, decision no earlier than March 2024



# Other Grant Updates

- OPPD accepted as Teaming Partner to DOE's Long-Duration Energy Storage (LDES) Consortium led by Sandia National Lab
  - Sandia received a DOE Technology Commercialization Fund grant funded by IIJA
  - Consortium includes: 5 Other National Labs, Industry, Utilities
  - Gives OPPD access to information and partners
- OPPD Letter of Support to NDEE for State- Based Home Energy Efficiency Contractor Training Grant
  - NDEE receiving \$1.6m in a formula grant from IRA
  - OPPD will serve on the Advisory Board



# Next Steps

- Continue to provide quarterly updates to OPPD's Board of Directors and customer-owners
- Continue to work with utilities, vendors, organizations and agencies on potential partnerships and opportunities for grant pursuit
- Work with project teams to vet grant opportunities, based on OPPD business objectives, timing, resources and benefit to OPPD customers
- Ensure compliance with awarded grants





# Reporting Item

## BOARD OF DIRECTORS

February 13, 2024

### ITEM

Renewable Energy Credit (REC) Product

### PURPOSE

Provide the Board of Directors with an update on the REC Product and Phase I Launch.

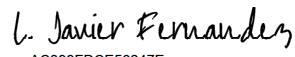
### FACTS

- a. A Renewable Energy Credit (REC) is a tradeable, market-based instrument that represents the renewable attributes of 1 MW of renewable electricity.
- b. OPPD has developed a REC sales program to achieve additionality by generating revenue to be applied to efficiency projects that reduce OPPDs emissions while supporting customers in achieving their own emission goals.
- c. Board Resolution 5578 authorizes OPPD management to sell RECs at any price.
- d. The REC program will be launched in phases. Phase 1, projected to launch in February 2024, will make RECs available to large commercial and industrial customers within the District.
- e. OPPD will explore expanding the REC offering to other customer classes in future phases with launch dates to be determined.

### RECOMMENDED:

DocuSigned by:  
  
9426AD61477A435...  
Timothy D. McAreavey  
Vice President – Customer Service

### APPROVED FOR REPORTING TO BOARD:

DocuSigned by:  
  
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L. Javier Fernandez  
President and Chief Executive Officer

TDM:as



# Renewable Energy Credit (REC) Product

January All Committee Board Meeting

February 13, 2024





# Opportunity Statement

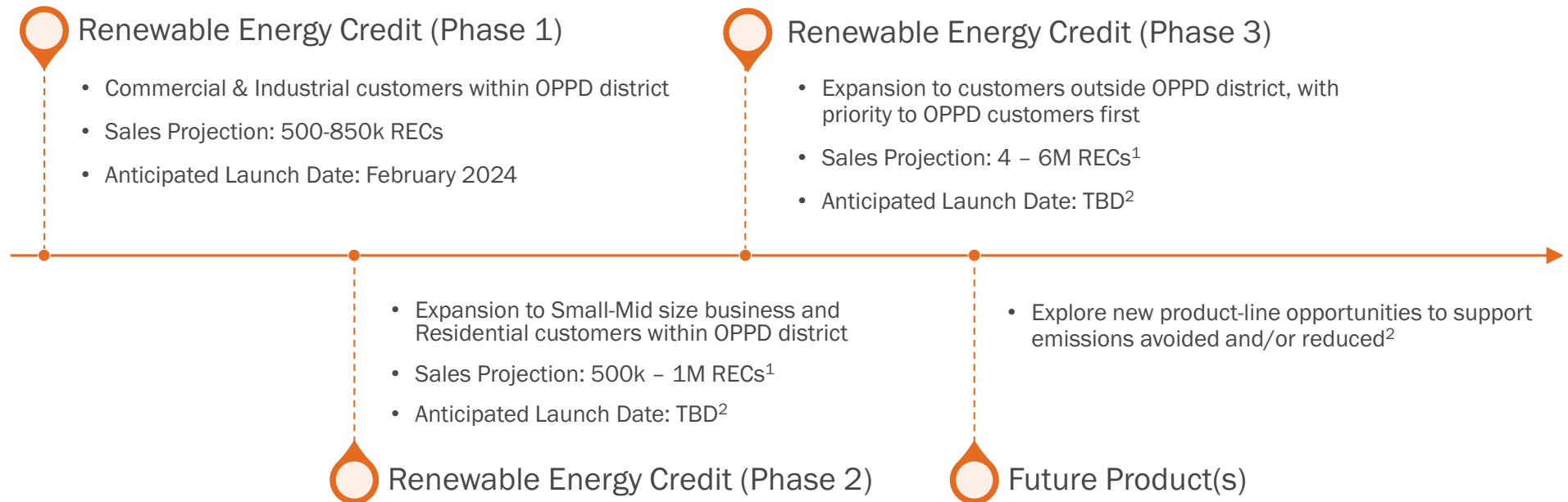
Like OPPD, many customers are making commitments to reduce their environmental footprint and meet other sustainability development goals.

To expedite their achievements, customers are seeking to purchase RECs as part of their overall climate strategy and OPPD can use these funds to support further carbon reduction goals for our community.



# Creating Solutions to Meet Customer Needs

A continuous and iterative approach to product development will allow us to grow the Renewable Energy Credit (REC) program *and* add new offerings through time.



# Product Attributes (Phase I)



## Online Registry

Purchased RECs will be publicly retired in an online registry in the customer's name.



## Program Reporting

Product performance will be included in annual SD-7 monitoring report.



## Pricing and Revenue

Pricing will be regularly evaluated to ensure RECs are priced according to their market value.

Pricing framework established in collaboration with The Brattle Group.

Revenue earned will be dedicated to projects which reduce OPPD's carbon emissions.



## Sales Process

Customers can sign up by working with their Account Executive and will be able to match up to 100% of their annual usage in 10% increments.



## Internal Governance

An internal Environmental Commodities Advisory Board will be established to oversee the allocation and management of the funds to support further carbon reductions.

# Board Governance

- Product will adhere to existing Board Resolutions
  - Resolution No. 5578, approved in 2006, authorizes OPPD management to sell RECs at any price and requires the revenues earned to be used for Energy Efficiency and/or Conservation projects
  - Resolution changes may be considered as we evaluate Phase 2 and Phase 3
- Strategic Directive Impacts
  - SD-5, Customer Satisfaction: positive influence by providing solutions to meet customer needs
  - SD-7, Environmental Stewardship: product is in full compliance of existing directive
  - SD-11, Economic Development: helps attract prospective customers seeking locations with carbon reduction and sustainability goals and programs

# Next Steps

Expected Launch: February 2024

- Launch Configuration
  - Efforts to confirm and prepare procedures, reporting and roles
- Internal Training
  - Efforts to educate employees on how to sell, manage and discuss the newest product
- Marketing
  - Efforts to develop materials and messaging to support Account Executives in conversations with interested large commercial and industrial customers
- Communications
  - Efforts to update external communication channels to correctly and transparently characterize our performance





## Pre-Committee Agenda

SYSTEM MANAGEMENT & NUCLEAR OVERSIGHT  
PRE-COMMITTEE MEETING  
WEBEX VIDEOCONFERENCE  
January 31, 2024, 4:00 – 5:30 P.M.

1. Safety Briefing (Pohl – 2 min)
  - a. Objective: Promote awareness of current safety focus.
2. \*\*New Generation and Transmission Update (Underwood – 35 min)
  - a. Objective: Provide an update on the communication plan for some assets of the New Generation and Transmission portfolio.
3. \*\*SD-6 Safety Monitoring Report (McCormick – 5 min)
  - a. Objective: Collect comments on the SD-6 Monitoring Report and discuss recommendations for approval.
4. Annual Committee Charter Review (Focht – 10 min)
  - a. Objective: Complete Committee Charter review and identify any appropriate changes for Board consideration.
5. Board Approval Items (Via – 2 min)
  - a. Objective: Discuss board approval items.
6. Board Work Plan – Systems Committee Items (Focht – 2 min)
  - a. Objective: Review current board work plan.
7. Summary of Meeting (Pohl – 2 min)
  - a. Objective: Summary of committee action items.

\*\* Indicates topic that will be included on all committee meeting agenda.



# Board Action

## BOARD OF DIRECTORS

February 13, 2024

### ITEM

SD-6: Safety Monitoring Report

### PURPOSE

To ensure full Board review, discussion, and acceptance of SD-6: Safety Monitoring Report

### FACTS

- a. The first set of Board policies was approved by the Board on July 16, 2015. A second set of Board policies was approved by the Board on October 15, 2015.
- b. Each policy was evaluated and assigned to the appropriate Board Committee for oversight of the monitoring process.
- c. The System Management & Nuclear Oversight Committee is responsible for evaluating Board Policy SD-6: Safety.
- d. The System Management & Nuclear Oversight Committee has reviewed the SD-6: Safety Monitoring Report, as outlined on Exhibit A, and is recommending that OPPD be found to be sufficiently in compliance with the policy as stated.

### ACTION

The System Management & Nuclear Oversight Committee recommends Board approval of the 2023 SD-6: Safety Monitoring Report.

RECOMMENDED:

APPROVED FOR BOARD CONSIDERATION:

DocuSigned by:  
*Arlo Christensen*  
0DEF08AFE4664E5...  
Arlo Christensen  
Director Safety, Training & Health

DocuSigned by:  
*L. Javier Fernandez*  
AC399FDCE56247E...  
L. Javier Fernandez  
President and Chief Executive Officer

ATC; laf

Attachments: Exhibit A – Monitoring Report  
Resolution



# Monitoring Report SD-6: Safety System Management & Nuclear Oversight Committee February 13, 2024

Arlo Christensen  
Director Safety, Training and Health  
February 13, 2024





## SD-6: Safety

- Through continuous improvement and monitoring, OPPD shall be recognized as a leader in employee safety and ensure the safety of the public in relation to OPPD operations. The Board establishes a long-term goal to continue to improve safety results that:
  - Reduce OPPD's DART rate to  $< .50$ , as measured by the industry's performance metric DART.
  - Reduce OPPD's PVIR rate to  $< 4.00$ , as measured by the industry's performance metric PVR.

## SD-6: Safety

### Terms and Definitions

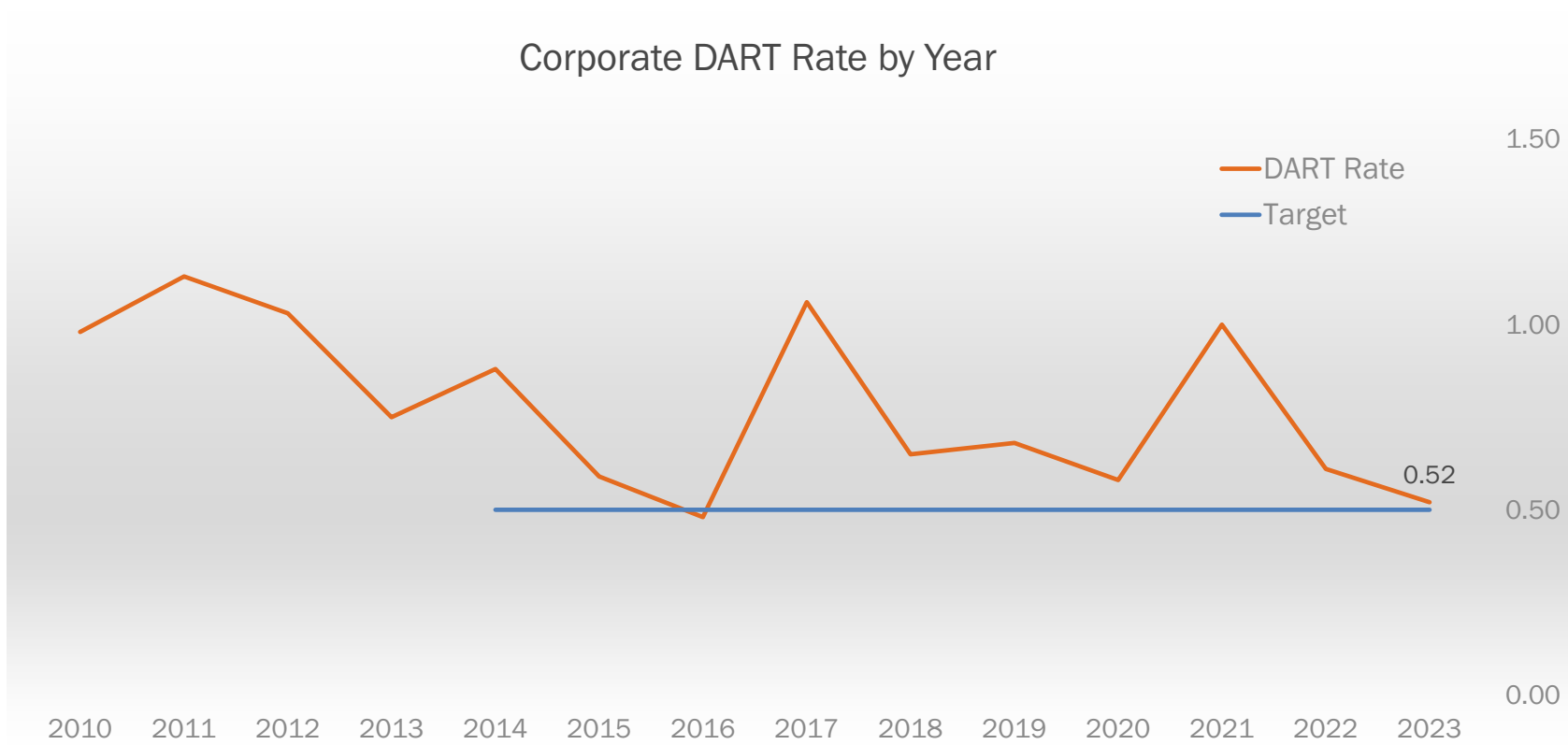
- Days Away Restricted or Transferred (DART): The rate is calculated by multiplying the number of DART cases times 200,000 divided by the hours worked.
- Preventable Vehicle Incident Rate (PVIR): The rate is calculated by multiplying the number of PVIR cases times 1,000,000 divided by the miles driven.

Through continuous improvement and monitoring, OPPD shall be recognized as a leader in employee safety and ensure the safety of the public in relation to OPPD operations.

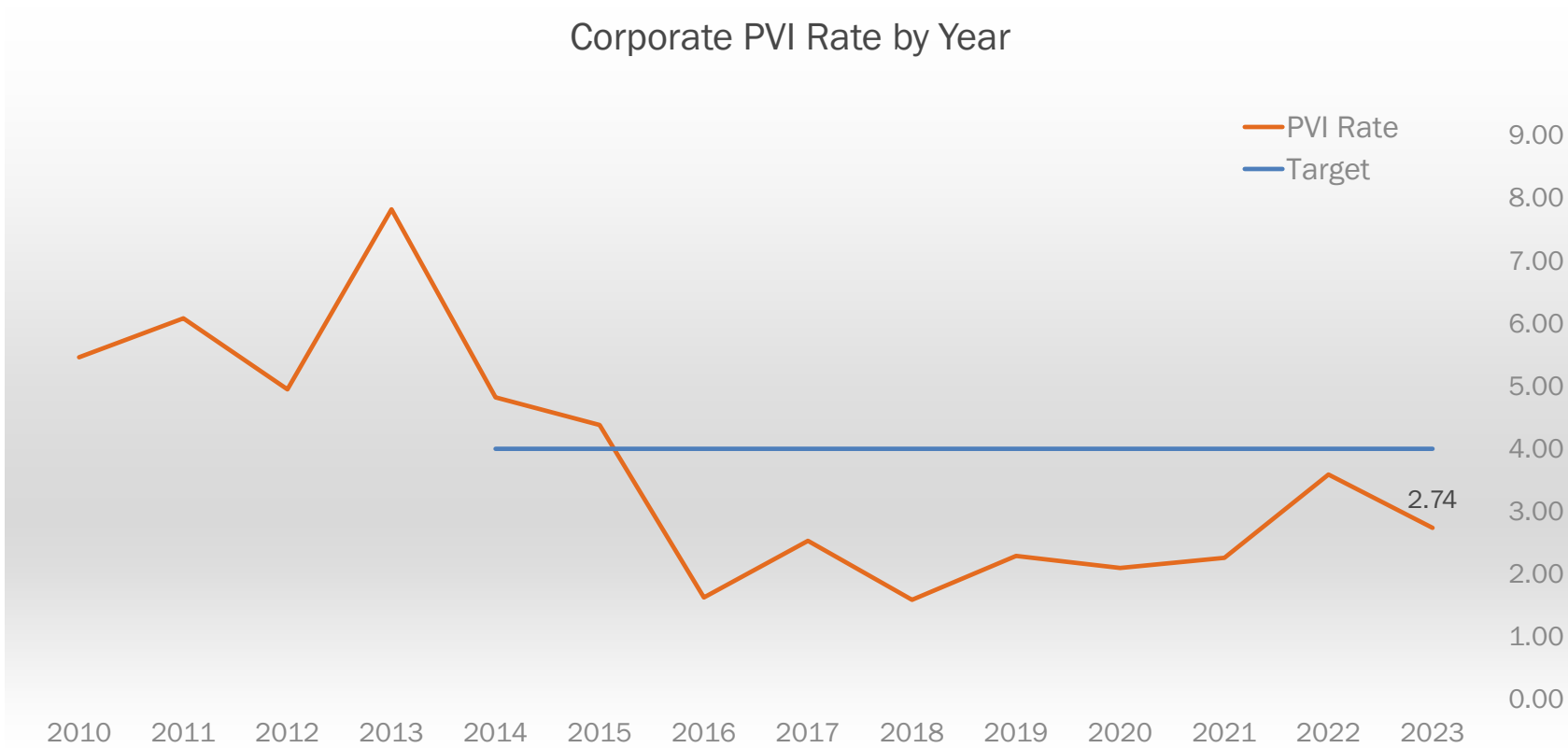
## Awards



# Reduce OPPD's DART rate to < .50, as measured by the industry's performance metric DART.



# Reduce OPPD's PVIR to < 4.00, as measured by the industry's performance metric PVIR.



## Physical Safety



Feeling ill?



Locate AED's, exits  
and first aid



Environmental  
hazards



Identify help



Active shooter

## Psychological Safety



Respect



Healthy conflict



Multiple  
perspectives



Trust



Culture of  
curiosity

## CyberSecurity

**See something, say something** - the sooner the better

- Identify unknown phone numbers(s) or person(s) in virtual meetings



**Central Station:** 531-226-3700 for an emergency  
**Safety:** 531-226-7233 (SAFE) to report a safety issue  
**OPPD Service Desk:** 531-226-3848  
**Huddle Space Security:** 402-982-8200

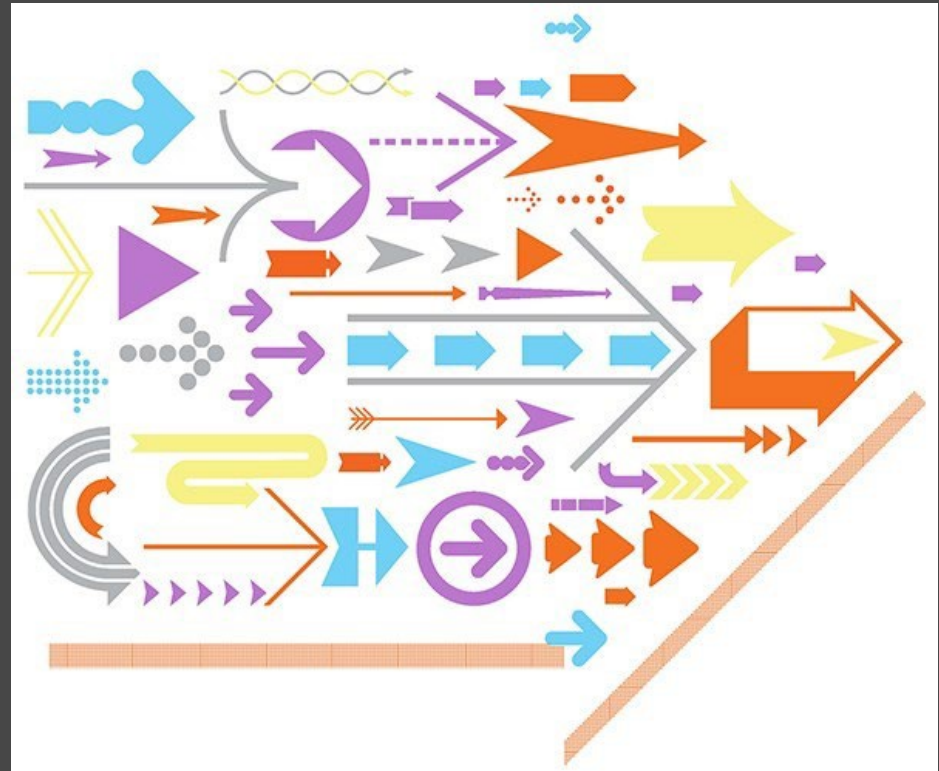
Your Energy Partner<sup>®</sup>  
**OPPD**  
Omaha Public Power District

## Recommendation

The System Management & Nuclear Oversight Committee has reviewed and accepted this Monitoring Report for SD-6: Safety and recommends that the Board find OPPD to be sufficiently in compliance with Board Policy SD-6: Safety.

Any reflections on

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







Moody/Christensen

**RESOLUTION NO. 6XXX**

**WHEREAS**, the Board of Directors has determined it is in the best interest of the District, its employees, and its customer-owners to establish written policies that describe and document OPPD's corporate governance principles and procedures; and

**WHEREAS**, each policy was evaluated and assigned to the appropriate Board Committee for oversight of the monitoring process; and

**WHEREAS**, the Board's System Management & Nuclear Oversight Committee (the "Committee") is responsible for evaluating Board Policy SD-6: Safety on an annual basis. The Committee has reviewed the SD-6: Safety Monitoring Report and finds OPPD to be sufficiently in compliance with the policy as stated.

**NOW, THEREFORE, BE IT RESOLVED** that the Board of Directors of Omaha Public Power District hereby accepts the SD-6: Safety Monitoring Report, in the form as set forth on Exhibit A attached hereto and made a part hereof, and finds OPPD to be sufficiently in compliance with the policy as stated.



# Reporting Item

**BOARD OF DIRECTORS**

February 13, 2024

ITEM

Nuclear Oversight Committee Report

PURPOSE

The Nuclear Oversight Committee provides a regular oversight of items related to the Fort Calhoun Station (FCS) nuclear plant.

FACTS

In addition to safe and secure dry cask storage of fuel, the required Preventative Maintenance tasks and Surveillance Tests, the following major decommissioning activities were conducted:

- Reactor vessel segmentation, including disposal of all materials and vendor demobilization, has been completed.
- The critical path work has shifted to demolition, removal, and disposal of all the remaining structures and equipment within containment. The first key component removed will be one of the two Steam Generators in the coming months. The entire containment interior demolition effort will last into 2025.
- The Nuclear Regulatory Commission (NRC) continues to review the License Termination Plan, with approval anticipated in the coming weeks. The first 2024 on-site, recurring inspection by the NRC is planned for the last week of February.

**RECOMMENDED:**

DocuSigned by:  
*Troy Via*  
104167224FA24AE...  
Troy R. Via  
Chief Operating Officer and Vice  
President Utility Operations

**APPROVED FOR REPORTING TO  
BOARD:**

DocuSigned by:  
*L. Javier Fernandez*  
AC999FDGE56247E...  
L. Javier Fernandez  
President and Chief Executive Officer

TRV:tsu

# Reactor Vessel Segmentation





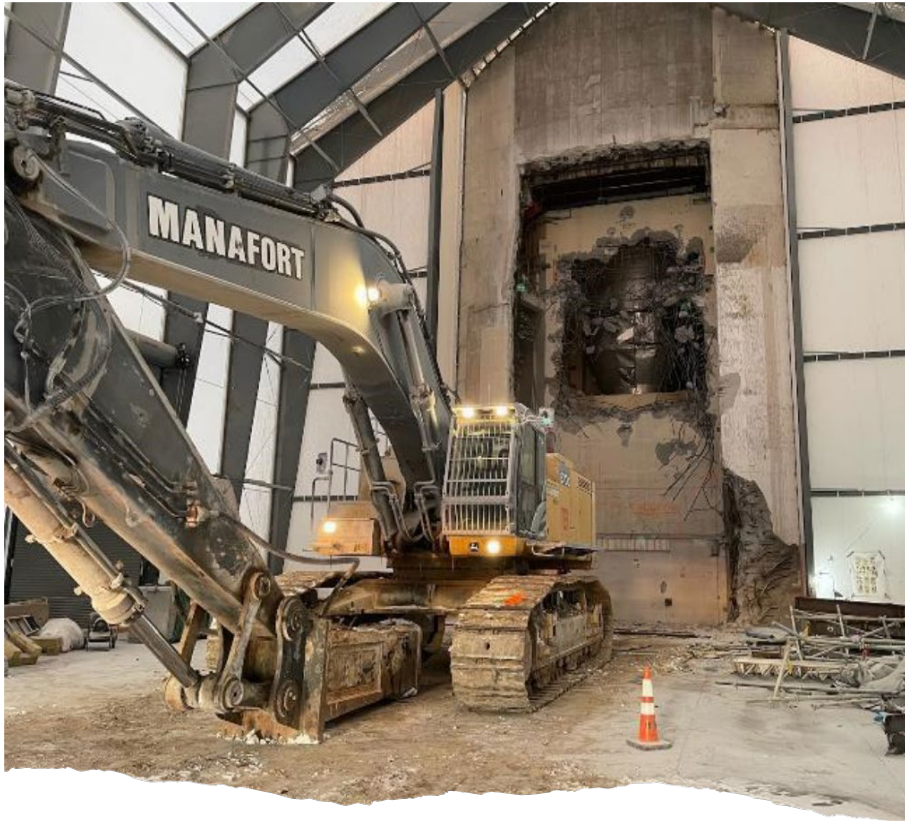
# Reactor Vessel Shipping



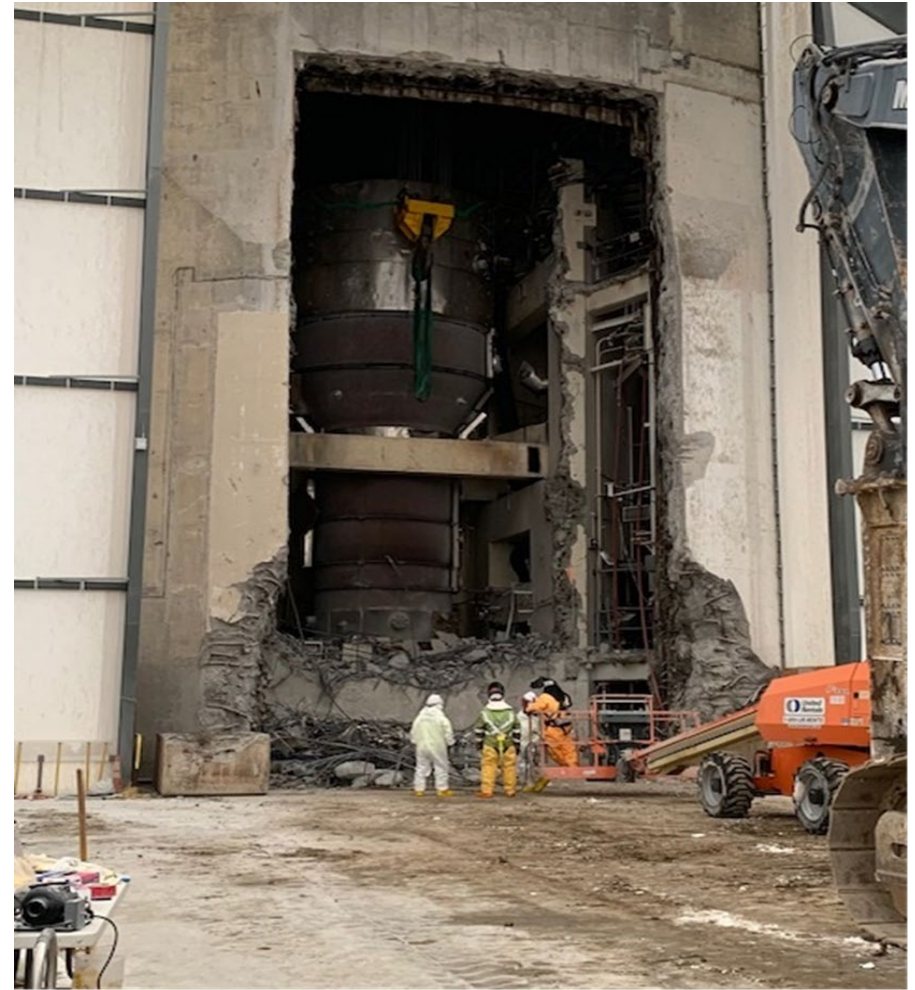
Transport Trailer (to rail)



Unloading Following Shipment  
(~100,000 pounds as loaded)



## Containment Interior Demo Steam Generator Access







# Reporting Item

## BOARD OF DIRECTORS

February 13, 2024

### ITEM

Integrated Distribution Plan (“IDP”) Update

### PURPOSE

Provide the Board of Directors with an update on the development of an Integrated Distribution Planning methodology and what a phased approach will look like over the next several years.

### FACTS

- a. Transformations such as Advanced Metering Infrastructure (AMI), grid device modernization, electrification and Distributed Energy Resource (DER) adoption necessitate that OPPD continue to invest in its distribution system planning program for the future of the distribution grid.
- b. Developing a more Integrated Distribution Plan will enable OPPD to evolve from legacy planning methodologies to a more advanced and integrated planning process. The infusion of new and more robust systems and tools will help enable OPPD’s Powering the Future 2050 goals of perfect power, customer freedom and cleaner world.

### RECOMMENDED:

### APPROVED FOR REPORTING TO BOARD:

DocuSigned by:  
*Bradley Underwood*  
D76A6627CE454F8  
Bradley R. Underwood  
Vice President – Systems  
Transformation

DocuSigned by:  
*L. Javier Fernandez*  
AC398FDCE50247E  
L. Javier Fernandez  
President and Chief Executive Officer



# Integrated Distribution Plan (IDP)

Dan Lenihan, Director Transmission & Distribution Planning  
All Committee Meeting  
February 13<sup>th</sup>, 2024



# Agenda

- Background
- Integrated Distributed Plan (IDP)
  - IDP Overview
  - IDP Phased Development
  - IDP Phase 1 Content Highlights
- Next Steps and Timeline



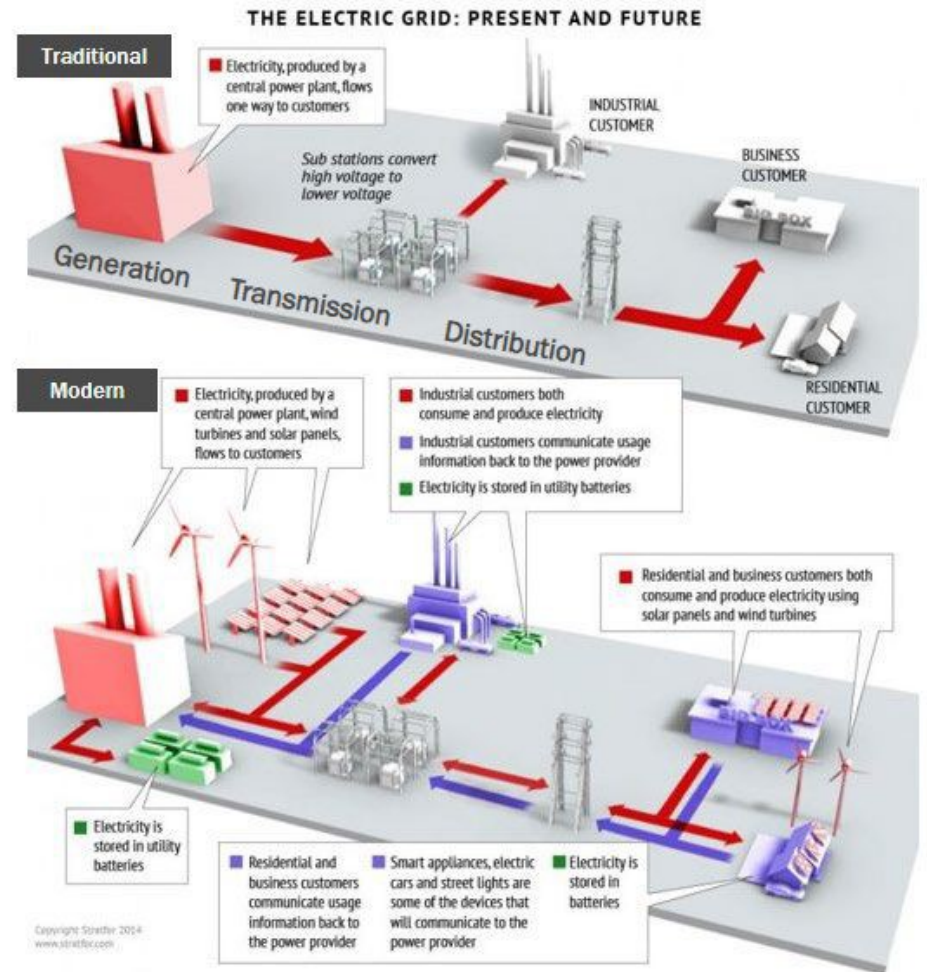


# Background



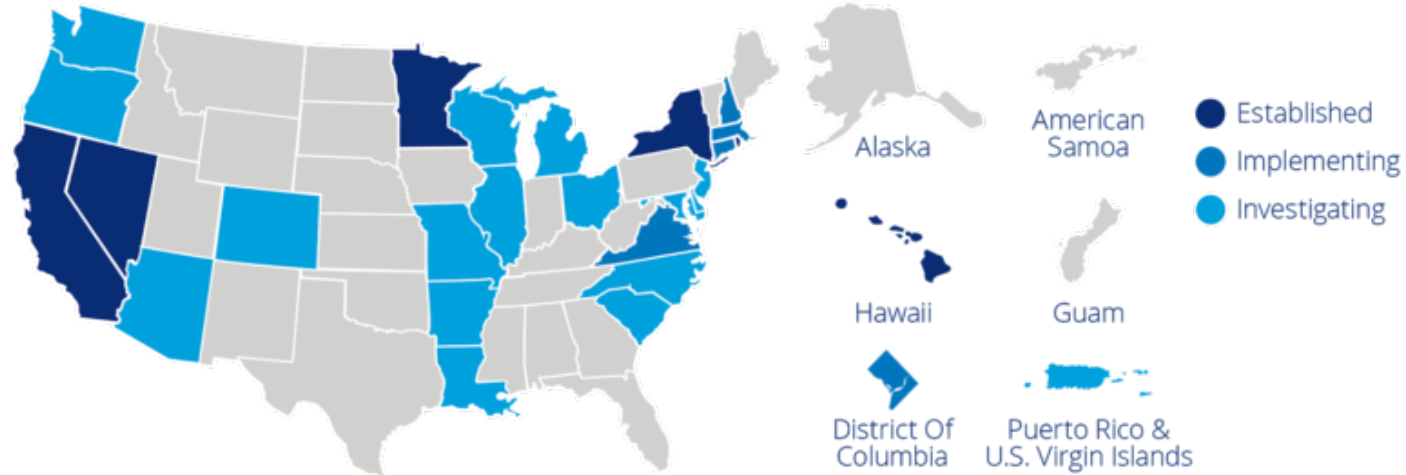
# Power System Evolution

- Traditional Power System
  - One-way power flow
  - Separate systems with limited integration
- Modern Power System
  - Evolving grid and customer technology
  - Two-way power flows and communication
  - Integrated systems
- Integrated System Planning
  - OPPD's Systems Transformation Business Unit
  - Recent focus on Bulk Generation & Transmission Planning integration
  - Launching effort on Integrated Distribution Planning (IDP)



# Integrated Distribution Planning Nationwide

Figure 1: State Integrated Distribution Planning Activities



Source: SEPA, EPRI, LBNL, 2020.<sup>17</sup>



# IDP Overview



# Integrated Distribution Planning

## VALUE PROPOSITION

Developing an Integrated Distribution Plan will enable OPPD to evolve from traditional planning methodologies to processes and systems that help enable OPPD's Powering the Future 2050 goals of perfect power, customer freedom and cleaner world.

### 1 Problem Statement

Growing Distributed Energy Resource (DER) adoption and electrification such as electric vehicles (EV) and a wealth of data and opportunities that will be created by Advanced Metering Infrastructure (AMI) and modernized grid devices are driving the need to evolve traditional distribution planning priorities, objectives, and approaches.

### 2 Background

Transformations such as AMI, grid device modernization, electrification and DER adoption necessitate OPPD developing a comprehensive plan for what the future of distribution grid will look like and how we will orient the organization to that reality.

### 3 Goals

- Organizational alignment & public awareness
- Standards and valuation framework for EVs and DERs
- Repeatable, granular long-range spatial distribution load forecast
- Modernized distributed device deployment strategy
- Updated long-range distribution expansion plan

### 4 Enterprise-Wide Effort

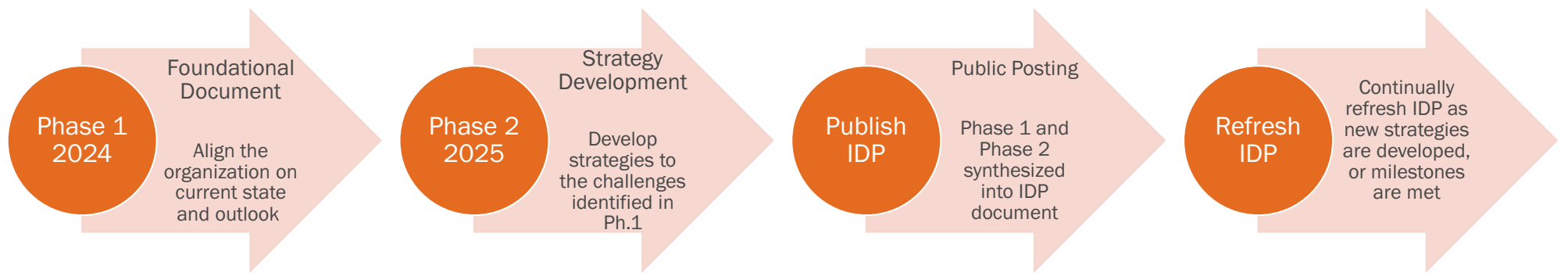
- Systems Transformation (Lead)
- Support from Utility Operations, Financial Services, Technology Services, Customer Service & Public Affairs



# IDP Phased Development



# IDP Phased Development





# IDP Phase 1 Content Highlights

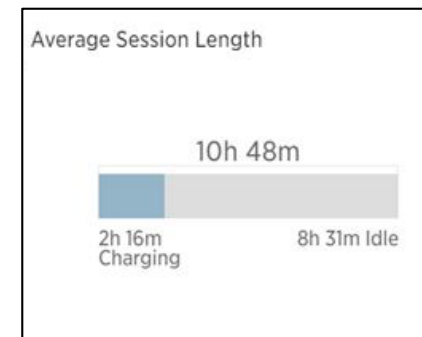
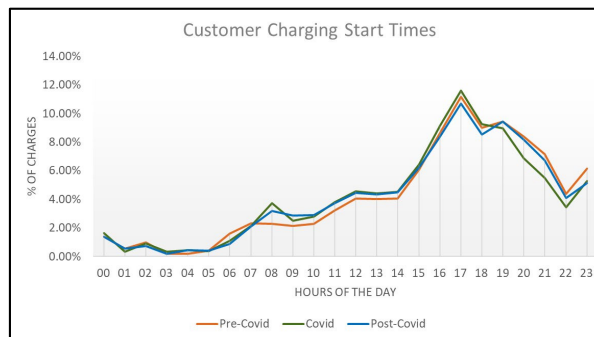




# Growing Adoption of Technologies - EVs

## ChargePoint Program

- While EV's account for less than 1% of all light duty vehicles in the service territory, we need to remain focused on planning for the future even though today's impacts are negligible, tomorrow's impacts will grow
- Offered rebates on ChargePoint Home Charging Station in exchange for granting OPPD access to usage data
- Over 450 chargers installed
- Rebate program has ended but data continues to provide value
  - Average charging vs plugged-in time
  - Session start times
  - How often customer charge per week

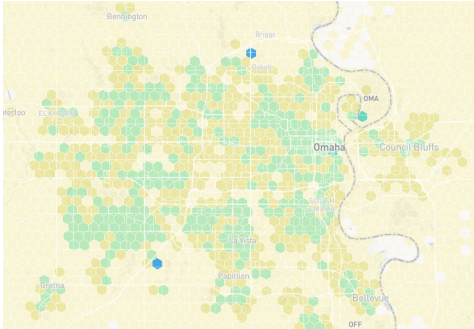


# Growing Adoption of Technologies - EVs

## Industry Participation



eRoadMAP tool



E-mobility Task Force

### Subcommittees

- Cost Recovery, Rate Design, and Pricing Models
- Fueling, Grid Infrastructure & Load Management
- Policy and Regulation & Economic Development
  - Customer and Stakeholder Engagement

## Fleet Research



Amazon Fleet: ~100 Rivian electric delivery vans

OPPD is monitoring the charging impact using advanced meters with interval data

Working with several internal customer groups to monitor potential future fleet conversions

# Growing Adoption of Technologies – DER, DSM

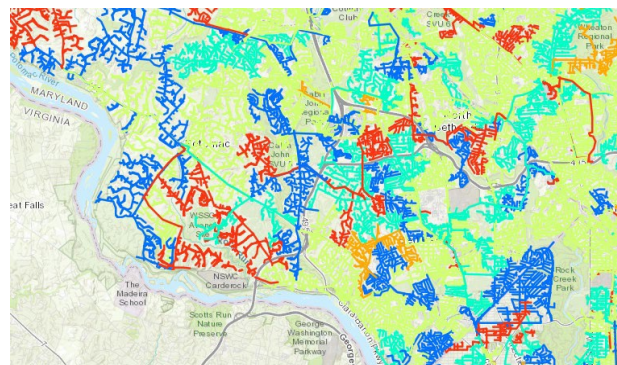
## Distributed Energy Resources (DER)

- Pace of customer-owned generation installations is rising but still less than 1% of our customer base today
- Negligible system impacts today but preparing for the future
- Strategizing *Hosting Capacity Analysis* tool to estimate availability of distribution capacity for increasing volume of DER requests



## Demand Side Management (DSM)

- Strategizing how Demand Side Management products can be valued by Distribution Planning
- 467L rate rider, Cool Smart, Smart Thermostat
- Considering how FERC Order 2222 allowing aggregation in energy markets will affect the distribution system



Example Hosting Capacity map from peer utility

# Digital Transformation Plan - AMI

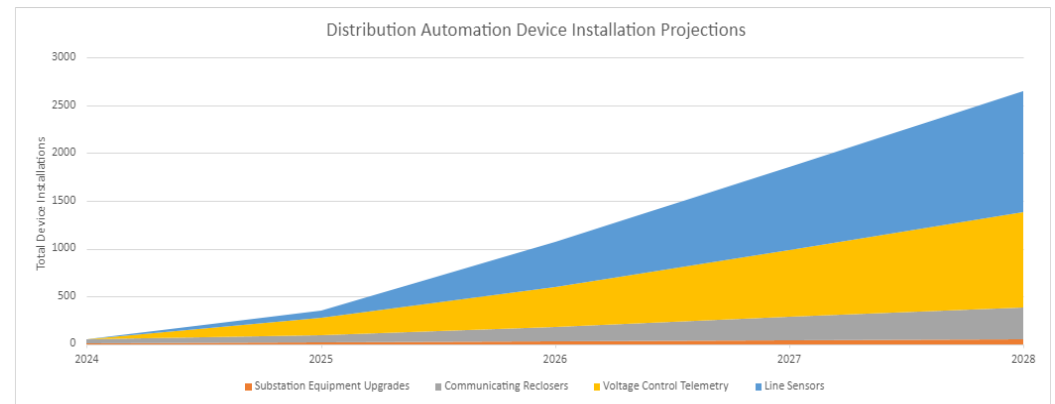
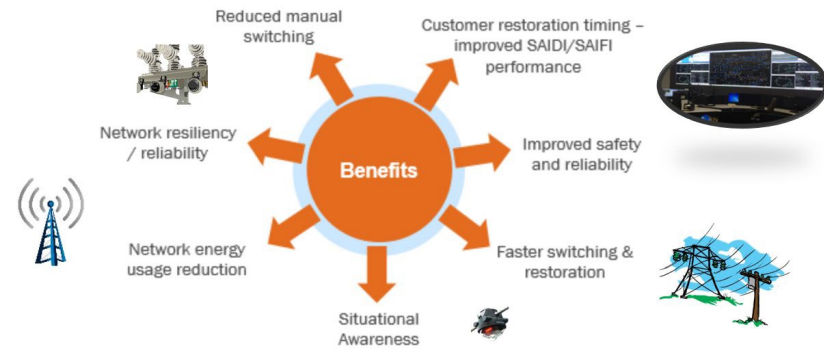
						
	<b>Geographic Information System</b>	<b>Outage Management System</b>	<b>Field Service Management</b>	<b>Enterprise Asset Management</b>	<b>Customer Platform</b>	<b>AMI Meters &amp; MDMS</b>
Vendor	ESRI	OSI	SEW	Maximo	SEW	Landis & Gyr
Initial Deployment	2024	2025	2025	2025	2025	2025--2028
						

# Distribution Grid-side Technologies

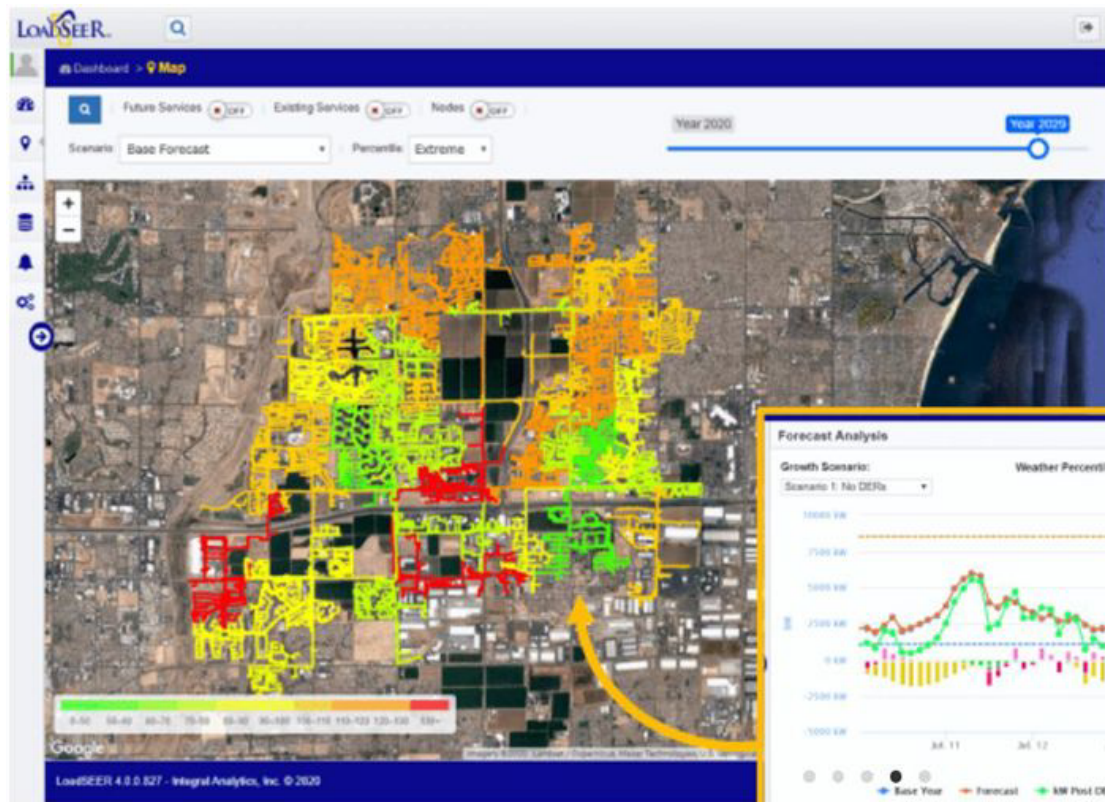
- Distribution Grid Scale Resources
  - Ft. Calhoun 5MW Community Solar Farm
  - BRIGHT Battery Storage 1MW pilot
  - OPPD-Douglas Co. Landfill Solar (SOLUS)

- Distribution Automation (DA)
  - ‘Smart Grid’ DA Pilot (Northeast Omaha)
  - Deployed 30 communicating line reclosers
  - Rural Substation Telemetry Upgrade complete
  - Developing Distribution Automation philosophy and deployment roadmap

## Distribution Automation Benefits



# Advanced Spatial Forecasting Tool



- Develop a granular, spatial load forecast inclusive of EV and DER adoption probabilities
- Ensure consistency with system-wide forecast
- Advanced Load Forecasting Software vendor selected
- Will aid in long-range T&D expansion planning



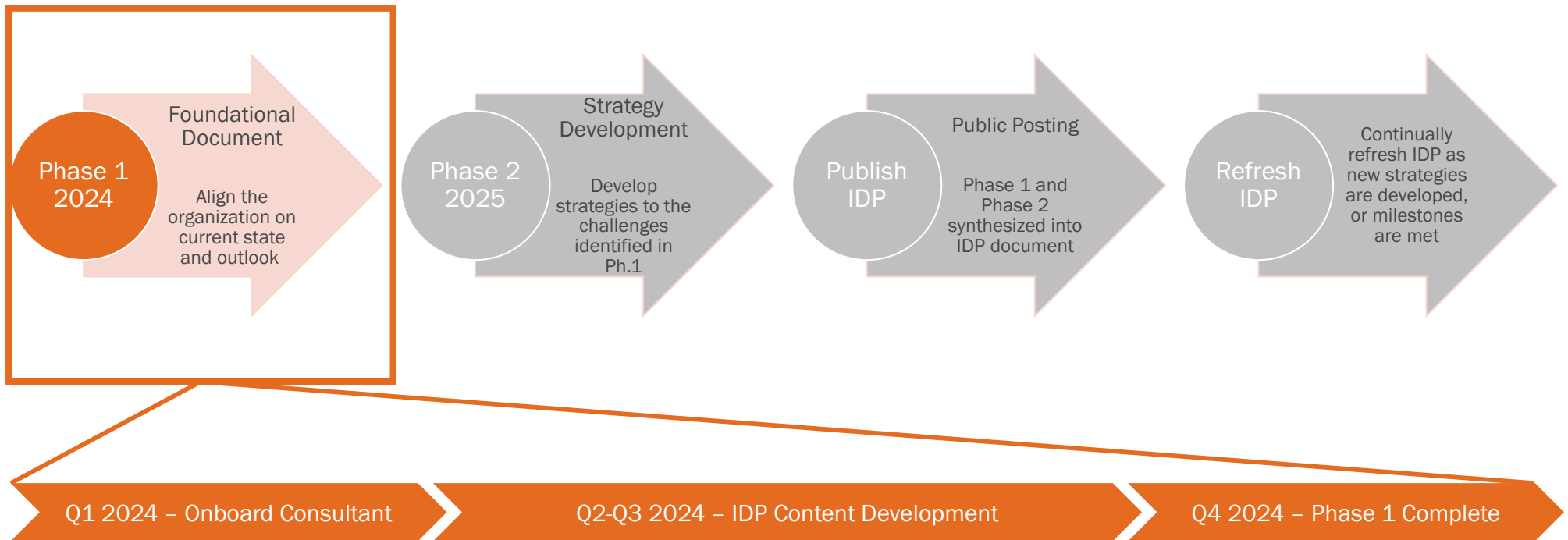




# Next Steps and Timeline



# IDP Phase 1 - 2024







# Questions





# Reporting Item

## BOARD OF DIRECTORS

February 13, 2024

### ITEM

Advanced Metering Infrastructure (“AMI”) Program Update


### PURPOSE

Provide the Board of Directors with an update on execution progress for the AMI ecosystem of technologies and to report key decisions made.


### FACTS

- a. The AMI Ecosystem program will enable two-way communication between OPPD operators and each customer meter, provide detailed energy usage data to help customers make informed decisions, improve account access and self-service, enhance reliability through grid situational awareness, provide better outage information, and set the stage for future interactive, customized products and service options.
- b. A vendor has been selected for the Customer Platform and OPPD is in contract negotiations with the vendor. The customer platform will be the enabling technology through which our customers will experience the benefits of AMI. This is the sixth and final major platform selection for the program.
- c. OPPD has developed a set of “soft launch” criteria that has provided the basis for the selection of pilot areas to rollout the first 10,000 AMI meters. The external marketing and communication strategy is being developed and will be used to create a dialogue with our customers in the pilot areas.

### RECOMMENDED:

DocuSigned by:  
  
076A8627FE154F8...  
Bradley R. Underwood  
Vice President – Systems  
Transformation

### APPROVED FOR REPORTING TO BOARD:

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L. Javier Fernandez  
President and Chief Executive Officer

BRU:ats



# Advanced Metering Infrastructure (AMI) Program Update

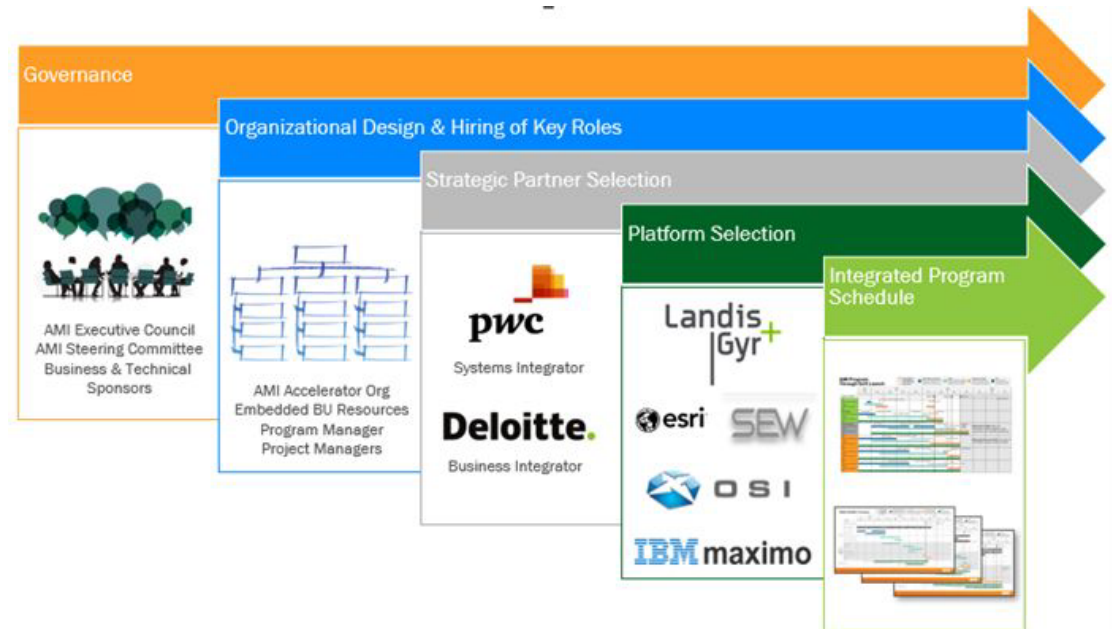
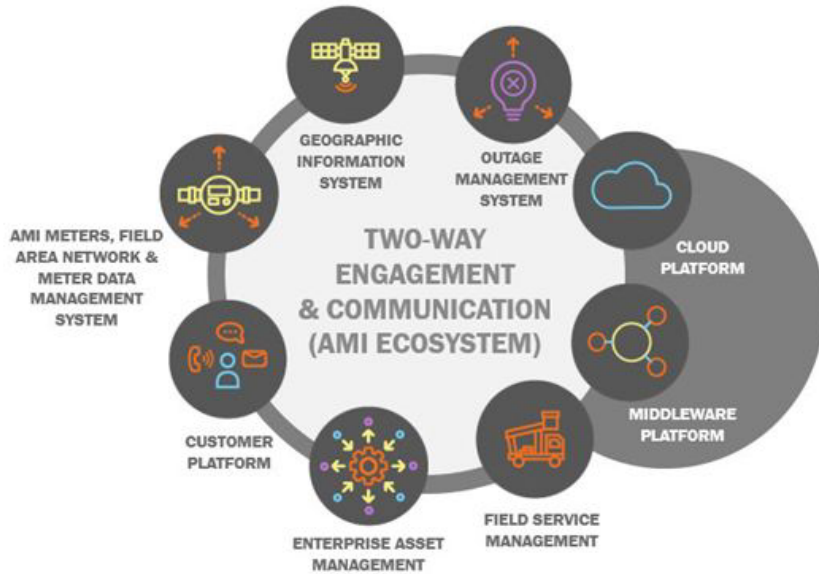
Aaron Smith, Director Distributed Device Strategy  
All Committee Meeting  
February 13, 2024



# AGENDA

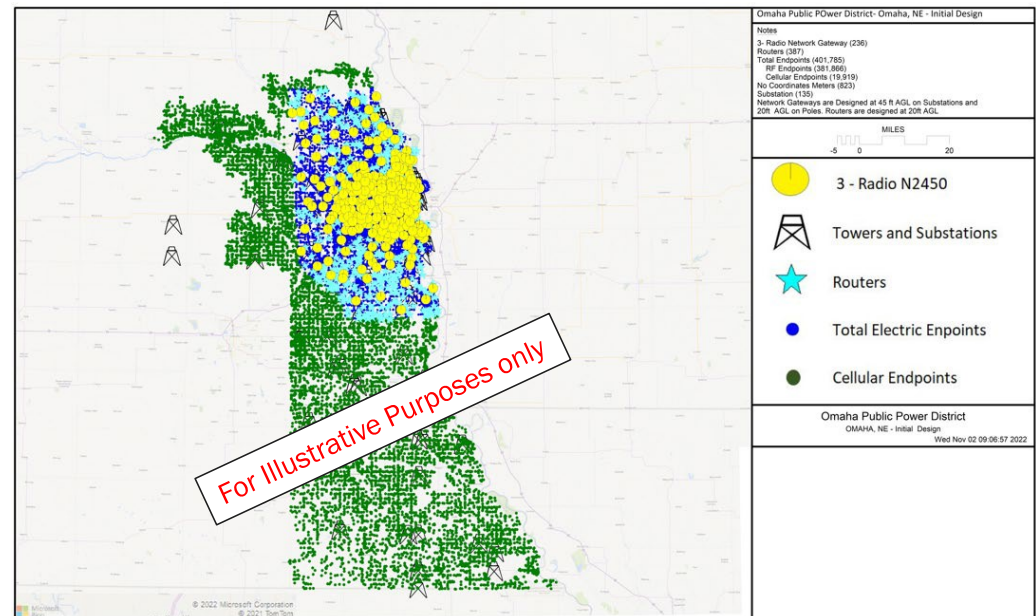
- AMI Transformation Overview
- Key Milestones and Progress
- Customer Platform Vendor Selection
- How AMI 2.0 Works / Key Features
- AMI 10k Meter Soft Launch Areas
- DOE GRIP Grant Update
- Q&A

# AMI Transformation



# Key Program Milestones & Progress

- Customer Platform vendor selected; contract negotiations underway.
- Pilot areas for AMI soft launch identified
- AMI Communication Network design underway for soft launch (Q2 2024 completion)
- Round one of business process design complete for Enterprise Asset Management and Field Service Management
- Concept paper for DOE Smart Grid Grant submitted January 12, 2024



# Platform Selection Complete

						
	<b>Geographic Information System</b>	<b>Outage Management System</b>	<b>Field Service Management</b>	<b>Enterprise Asset Management</b>	<b>Customer Platform</b>	<b>AMI Meters &amp; MDMS</b>
Vendor	ESRI	OSI	SEW	Maximo	SEW	Landis & Gyr
Initial Deployment	2024	2025	2025	2025	2025	2025--2028
						

# Customer Platform Highlights

- Update and manage account information
- View and manage billing
- Start, stop and move services
- Modern outage map with outage and streetlight reporting
- Notifications and channel preferences
- Detailed usage information
- Payment programs enrollment
- Enhanced security features





# Landis & Gyr Gridstream<sup>®</sup> and Revelo<sup>®</sup> Meters



Supports **grid and consumer-side apps** to optimize management of grid and improve consumer engagement



High-powered computing enables **unparalleled edge intelligence** and analytics



**Grid metering capability**, including high-resolution waveform data to support DER integration at the edge



App development platform and community of partners for **ecosystem of edge apps** to address new use cases

# Desired Soft Launch Area Criteria



Urban



Suburban



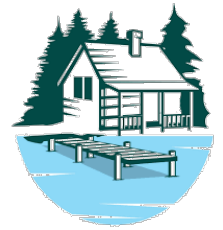
Rural



Avoid Complex /  
Totalized Billing



Move In/Out



Seasonal  
Turn ON/OFF



Overhead Powerlines /  
Mature Trees / PQ



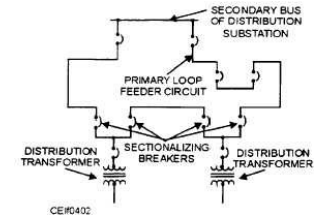
DER / Solar  
Penetration



EV  
Penetration



Disadvantaged  
Communities  
Investment



Downtown  
Secondary Network

# DOE Grid Resiliency & Innovation Partnerships (GRIP) Grant Opportunity

- OPPD submitted a concept paper for our *Next Gen Customer Grid* to enable advanced functionality beyond Soft Launch / MVP including:
  - Full rollout of the remaining ~390k AMI 2.0 meters (2026-2028).
  - Advanced Distribution Management System (ADMS)
  - Enterprise Distributed Energy Resource Management System (DERMS)
  - Grid monitoring and control devices
- OPPD has submitted a request of \$50M for the Smart Grid topic area of the DOE grant, with OPPD responsible for an additional ~\$90M
- Full application is due May 22, 2024
- Expected selection decision Fall 2024



As part of the Bipartisan Infrastructure Law, the Grid Deployment Office is administering a \$10.5 billion Grid Resilience and Innovation Partnerships (GRIP) Program to enhance grid flexibility and improve the resilience of the power system.



- Design and execution work continues across all six major platforms
- The team is working on the full DOE grant application due in May
- The next quarterly update will be presented at the May All-Committees meeting







**BOARD OF DIRECTORS**

# Board Action

February 13, 2024

ITEM

Award RFP No. 6122 15kV Metalclad Switchgear Cubicles and Switchgear Enclosure

PURPOSE

Board of Directors authorization to reject the proposals received for RFP No. 6122, and for the District to enter into a negotiated contract for the purchase of 15kV metalclad switchgear cubicles and switchgear enclosure.

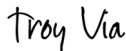
FACTS

- a. The new 15kV metalclad switchgear cubicles and switchgear enclosure is needed to support the expansion of a substation for increased distribution capacity in Blair.
- b. Metalclad switchgear cubicles contain 15kV circuit breakers and relaying equipment that protect distribution circuits and substation transformers from faults on the distribution system.
- c. The switchgear enclosure keeps the switchgear cubicles out of the elements and provides area for electricians and relay techs to operate and maintain the switchgear, 15kV circuit breakers and relays.
- d. Four (4) proposals were received. Two (2) proposals were deemed legally non-responsive, and all four (4) proposals were deemed technically non-responsive.
- e. Desired delivery of the 15kV metalclad switchgear cubicles with switchgear enclosure is March 2025.


ACTION

Authorization by the Board to reject all proposals received for RFP No. 6122 “15kV Metalclad Switchgear Cubicles and Switchgear Enclosure” and allow District Management to enter into a negotiated contract.

**RECOMMENDED:**

DocuSigned by:  
  
 181187224FA24AE...  
 Troy R. Via  
 Chief Operating Officer and  
 Vice President – Utility Operations

**APPROVED FOR BOARD CONSIDERATION:**

DocuSigned by:  
  
 ACS99FDCE56247E...  
 L. Javier Fernandez  
 President and Chief Executive Officer

TRV:jgb

Attachments: Analysis of Proposals  
 Tabulation of Bids  
 Legal Opinion  
 Resolution



## MEMORANDUM

**DATE:** February 2, 2024

**FROM:** S. J. Hanson

**TO:** T. R. Via

RFP No. 6122  
"15kV Metalclad Switchgear Cubicles and Switchgear Enclosure"

### Analysis of Proposals

#### 1.00 GENERAL

RFP No. 6122 was advertised for bid on December 14, 2023.

This contract will procure 15kV metalclad switchgear cubicles housed in a dedicated enclosure to support the addition of a new substation transformer to support load growth and increase distribution capacity in the Blair area.

Desired delivery of the 15kV metalclad switchgear and enclosure is March 2025.

No Letters of Clarification (LOC) and no Addendums were issued.

Bids were requested and opened at 2:00 p.m., C.S.T., Thursday, January 11, 2024.

Four proposals were received which are summarized in the table below:

Bidder	Lump Sum Firm Price	Legally Responsive	Technically Responsive
Harold K Scholz Co	\$1,610,000.00	No	No
Myers Controlled Power LLC	\$1,832,484.00 <sup>1</sup>	No	No
Eaton Corporation	\$1,184,360.78	Yes	No
States Manufacturing Corporation	\$2,130,206.00	Yes	No

<sup>1</sup> Delivery price was estimated.

#### 2.00 COMPLIANCE WITH CONTRACT TERMS AND GENERAL REQUIREMENTS

OPPDP's legal counsel noted that the proposal of Harold K. Scholz Co. ("Scholz") incorporates a price adjustment provision that allows the purchase price to be modified by Scholz up to the date of billing. This term makes the proposal legally non-responsive and may not be considered by the Board of Directors for the award of this contract.

T. R. Via  
February 2, 2024  
Page 2 of 2

OPPD's legal counsel noted that the proposal of Myers Controlled Power, LLC submits an exception for a unilateral price adjustment to the Purchase Price after submittal of the proposal. This term makes the proposal legally non-responsive and should not be considered by the Board of Directors for the award of this contract.

OPPD's legal counsel did not note any legal deficiencies with the proposals from Eaton Corporation and States Manufacturing Corporation.

### 3.00 COMPLIANCE WITH TECHNICAL REQUIREMENTS

Harold K. Scholz Co.'s bid does not meet the desired delivery date. Therefore, Harold K. Scholz Co.'s bid is deemed technically non-responsive.

Myers Controlled Power LLC's bid does not meet the desired delivery date and there were no drawings provided. Therefore, Myers Controlled Power LLC is deemed technically non-responsive.

Eaton Corporation's bid does not meet the desired delivery date and did not include a switchgear enclosure. Therefore, Eaton Corporation is deemed technically non-responsive.

States Manufacturing Corporation's bid does not meet the desired delivery date and does not include the require breaker model. Therefore, States Manufacturing Corporation is deemed technically non-responsive.

### 4.00 RECOMMENDATION

On the basis of compliance with the legal and technical requirements, it is recommended that all proposals received for RFP No. 6122 "15kV Metalclad Switchgear Cubicles and Switchgear Enclosure" be rejected by the Board of Directors and that District Management be authorized to enter into a negotiated contract.

DocuSigned by:



8A3AEF71476742A...  
Shane Hanson, PE  
Director Engineering  
Utility Operations



<p align="center"><b>TABULATION OF BIDS</b>                  Opened at 2:00 p.m., C.S.T., Thursday,                  January 11, 2024, in Omaha, Nebraska</p>	<p align="center"><b>REQUEST FOR PROPOSAL NO. 6122</b>  <b>15KV METALCLAD SWITCHGEAR AND ENCLOSURE</b></p> <p align="right">Page 1 of 2</p>			<p>DocuSigned by:  <i>Steven Palmer</i>  <small>C471422F76EE422...</small>                  Director</p> <p>DocuSigned by:                  Supply Chain Management  <i>Pettina Anderson</i>  <small>8A15534EAB784CC...</small>                  Compiled by and Certified Correct</p>						
<p align="center">Anticipated Award Date                  February 16, 2024</p>				<p align="center"><b>BIDDER'S NAME &amp; ADDRESS</b></p>						
<p align="center"><b>ENGINEER'S ESTIMATE</b></p> <p align="center">\$1,700,000.00</p>				<p align="center"><b>HK Scholz Co.</b>                  7800 Serum Ave                  Ralston, NE 68127</p>	<p align="center"><b>Myers Power Products</b>                  219 E Maple Street                  North Canton, OH 44720</p>	<p align="center"><b>State Manufacturing</b>                  11100 Jefferson HWY N                  Champlin, MN 55316</p>				
<p align="center"><b>BID ITEM</b></p>	<p align="center"><b>SUPPLIER'S BID</b></p>	<p align="center"><b>SUPPLIER'S BID</b></p>	<p align="center"><b>SUPPLIER'S BID</b></p>							
<p><b>1. Price Proposal:</b></p> <p><b>1.1. Firm base price to furnish, freight prepaid and included 15kV Metalclad Switchgear Cubicles and Switchgear Enclosure and other accessories fully wired as indicated on the Drawings and detailed in the Technical Specifications to Substation 1341, 611 South 1st Street, Blair, NE 68008.</b></p> <p><b>1.2. Firm price to complete installation, including unloading, FOB foundation, anchoring, re-connecting wire and bus, and removing any shipping braces, per the Drawings and per Technical Specifications at Substation 1341, 611 South 1st Street, Blair, NE 68008.</b></p> <p><b>1.3. Total lump sum price to furnish, deliver and install Substation 1341 15kV Metalclad Switchgear Cubicles and Switchgear Enclosure.</b></p> <p><b>2. OPPD Desired Delivery Dates:</b></p> <table border="1" data-bbox="155 1300 772 1572"> <tr> <td>Proposal Article 1.1 - March 3, 2025</td> </tr> <tr> <td> </td> </tr> <tr> <td>Proposal Article 1.2 - March 10, 2025</td> </tr> <tr> <td> </td> </tr> <tr> <td> </td> </tr> <tr> <td> </td> </tr> <tr> <td> </td> </tr> </table>	Proposal Article 1.1 - March 3, 2025		Proposal Article 1.2 - March 10, 2025					<p align="center"><u>\$1,560,000.00</u></p> <p align="center"><u>\$50,000.00</u></p> <p align="center"><u>\$1,610,000.00</u></p> <p align="center"><u>Guaranteed Delivery Date</u></p> <p align="center"><u>May 20, 2025.</u></p> <p align="center"><u>May 27, 2025.</u></p> <p align="center">-</p> <p align="center">-</p>	<p align="center"><u>\$1,760,735.00</u></p> <p align="center"><u>\$71,749.00</u></p> <p align="center"><u>\$1,832,484.00</u></p> <p align="center"><u>Guaranteed Delivery Date</u></p> <p align="center"><u>July 18, 2025.</u></p> <p align="center"><u>July 25, 2025.</u></p> <p align="center">-</p> <p align="center">-</p>	<p align="center"><u>\$2,038,606.00</u></p> <p align="center"><u>\$91,600.00</u></p> <p align="center"><u>\$2,130,206.00</u></p> <p align="center"><u>Guaranteed Delivery Date</u></p> <p align="center"><u>July 25, 2025.</u></p> <p align="center"><u>August 1, 2025.</u></p> <p align="center">-</p> <p align="center">-</p>
Proposal Article 1.1 - March 3, 2025										
Proposal Article 1.2 - March 10, 2025										





Troy F. Meyerson  
ATTORNEY  
402.978.5347  
tmeyerson@fraserstryker.com  
fraserstryker.com

January 29, 2024

Omaha Public Power District  
444 South 16<sup>th</sup> Street  
Omaha, NE 68102

RE: Request for Proposal No. 6122 – 15kV Metalclad Switchgear Cubicles and Switchgear Enclosure ("RFP No. 6122")

Ladies and Gentlemen:

We have reviewed the four (4) proposals received in response to the District's RFP No. 6122 and provide the following legal opinion.

The proposal of Harold K. Scholz Co. ("Scholz") incorporates a price adjustment provision that allows the purchase price to be modified by Scholz up to the date of billing. This term makes the proposal legally non-responsive. Scholz was also unable to meet the desired delivery date provided by the District by more than three (3) months making its proposal technically non-responsive. Since the Scholz proposal was legally and technically non-responsive, the Board of Directors should not consider the proposal for the award of this contract.

The proposal of Myers Controlled Power, LLC ("Myers") submits an exception for a unilateral price adjustment to the Purchase Price after submittal of the bid making the proposal legally non-responsive. In addition, The Myers proposal was unable to meet the desired delivery date provided by the District by more than four (4) months making it technically non-responsive. Since the Myers proposal was legally and technically non-responsive, the Board of Directors should not consider the proposal for the award of this contract.

The proposal of States Manufacturing Corporation ("SMC") was unable to meet the guaranteed delivery date desired by the District by more than four (4) months and did not include the breakers specified in the bid documentation. For these reasons, SMC's proposal was found to be technically non-responsive. This proposal should not be considered by the Board of Directors for the award of this contract.

The proposal of Eaton Corporation ("Eaton") only included the switchgear portion of the scope of work in RFP No. 6122 and did not include the enclosure portion of the work identified. In addition, Eaton's proposal was unable to meet the guaranteed delivery date desired by the District by more than five (5) months. As a result of these deficiencies, Eaton's proposal was found to be technically non-responsive and should not be considered by the Board of Directors for the award of this contract.

Section 70-637(5) of the Nebraska Revised Statutes authorizes the Board of Directors to reject all bids if they are non-responsive to the contract documents or exceed the fair market value of the RFP's subject matter. Accordingly, the Board of Directors may reject all four (4) proposals for RFP No. 6122 and

Fraser Stryker PC LLO

500 Energy Plaza, 409 South 17th Street, Omaha, NE 68102 — TEL: 402.341.6000 — FAX: 402.341.8290

January 29, 2024  
Page 2

authorize Management to negotiate an acceptable contract. We recommend that the final contract documents be reviewed and approved by the District's General Counsel.

Sincerely,

A handwritten signature in blue ink, appearing to read "Troy F. Meyerson", followed by a horizontal line.

Troy F. Meyerson  
FOR THE FIRM

TFM:  
3009463.1



Moody/Via

**RESOLUTION NO. 6XXX**

**WHEREAS**, sealed bids were requested and advertised, as required by law, for the following:

**REQUEST FOR PROPOSAL (RFP) NO. 6122  
15KV METALCLAD SWITCHGEAR CUBICLES AND SWITCHGEAR ENCLOSURE**

**WHEREAS**, bids were received and opened at the time and place mentioned in the published notices and the Director – Supply Chain Management supervised the tabulations, which have been submitted to this Board; and

**WHEREAS**, the Board of Directors has carefully considered the bids submitted, as well as the recommendations of the District's Management and General Counsel.

**WHEREAS**, Section 70-637 of the Nebraska Revised Statutes authorizes the District's Board of Directors to reject proposals if they are not responsive to the Request for Proposals, and to authorize Management to pursue a negotiated contract; and

**WHEREAS**, the Board of Directors concurs with management's recommendation that all four of the proposals for RFP No. 6122 are technically non-responsive for the proposed scope of work.

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of the Omaha Public Power District that all proposals received in response to Request for Proposal No. 6122 are rejected and Management is authorized to negotiate and enter into a contract for this project, subject to review and approval of the final contract by the District's General Counsel.

# 15kV Metalclad Switchgear Cubicles and Switchgear Enclosure



15kV metalclad switchgear cubicles house the 15kV circuit breakers and relay equipment to protect the distribution circuits and substation transformers. The enclosure keeps the switchgear out of the elements and provides area for electricians and relay techs to operate and maintain the switchgear, 15kV circuit breakers and relays.



## Agenda

OPPDD BOARD OF DIRECTORS  
REGULAR BOARD MEETING  
Thursday, February 15, 2024 at 5:00 P.M.

*Conducted in person at the Omaha Douglas Civic Center, 1819 Farnam Street,  
2<sup>nd</sup> Floor Legislative Chamber, Omaha, NE 68183*  
*Public may attend in person at the Omaha Douglas Civic Center or remotely by going to  
[www.oppd.com/BoardAgenda](http://www.oppd.com/BoardAgenda) to access the Webex meeting link and view materials.*

### Preliminary Items

1. Chair Opening Statement
2. Safety Briefing
3. Guidelines for Participation
4. Roll Call
5. Announcement regarding public notice of meeting

### Board Consent Action Items

6. Approval of the December 2023 Financial Report, January 2024 Meeting Minutes and the February 15, 2024 Agenda
7. SD-6: Safety Monitoring Report – Resolution No. 66xx
8. 15kV Metalclad Switchgear Cubicles and Switchgear Enclosure – Resolution No. 66xx
9. Appointment of Vice President – Safety and Facilities – Resolution No. 66xx

### Board Discussion Action Items

TBD

### Other Items

10. President's Report (20 mins)
11. Opportunity for comment on other items of District business
12. Adjournment

Please use the link below to find all committee and board agendas, materials and schedules. Board governance policies and contact information for the board and senior management team also can be found at [www.oppd.com/BoardMeetings](http://www.oppd.com/BoardMeetings).

Action Item	Board Assignment	ELT Lead	Priority	Board Resources	OPPD Resources	Status	Accepted	Start	Finish	Comment
Develop a Board training plan	Chair	Fernandez	Medium	Medium	Low	On Track	12/01/21	08/11/22	03/30/24	In discussion with Governance Committee
SD-2: Rates Policy Refinement (Most recent monitoring report approved 6/15/23)	FIN	Bishop	Medium	Medium	Medium	On Hold	08/26/20	04/02/21	TBD	Initial revision completed (12/15/22); Will make future revisions based upon the outcomes of the Rate Workshops (timing TBD)
Revise Audit Sub-committee charter and committee member appointment process	GOV	Focht	Medium	Low	Low	Not Started	02/06/24	08/30/24	TBD	Will be discussed at the Board Governance Workshop in August
Review and update processes related to committees.	GOV	Focht	Medium	Low	Low	On Track	08/30/23	08/30/23	03/11/24	Governance reviewed progress since Aug 2023 workshop; will review role of Parliamentarian with C&PE in March before marking "completed"
Review of BL-1, (the Board-CEO relationship), BL-5 (unity of control) and BL-7 (delegation to the CEO)	GOV	Focht/Bruckner	Low	Low	Low	On Track	08/30/23	08/30/23	04/18/24	Will review during the March Governance pre-committee for potential Board consideration in March/April
CEO to operationalize new partnerships between Board and ELT regarding engagement with customers, elected officials and employees. Explore whether Board's role with stakeholders is appropriately defined in GP policies.	GOV	Fernandez/Focht	Medium	Medium	Medium	On Track	08/30/23	08/30/23	04/30/24	Check in with board and ELT before formal decision is made
SD-12: Information Management and Security (Most recent monitoring report approved 11/16/23)	GOV	Brown	Low	Low	Medium	On Track	11/14/23	11/14/23	03/21/24	Per All Committee discussion during the November 14th meeting, Kate Brown will bring potential revisions to the Governance Committee for consideration in January.
Ad Hoc Committee on Market Transformation	GOV	Focht	Low	Low	Medium	On Hold	08/26/20	04/01/24	06/18/24	SD-9 potential revisions may address part of this topic; seeking feedback in Q2 24
Update the language in GP-6: Role of the Board Officers - Add clarity for how/when/who appoints ad hoc committees	GOV	Focht	Low	Low	Low	Not Started	12/01/21			
SD-7: Environmental Stewardship policy refinement (Most recent monitoring report approved 10/17/23)	SMNO	Fleener	High	Low	High	On Track	08/30/23	08/30/23	09/19/24	
SD-13: Stakeholder Outreach & Engagement policy refinement (Most recent monitoring report approved 10/17/23)	CPE	Olson	Medium	Low	Medium	Completed	01/19/21	02/09/21	02/06/24	2/5/24 CPE determined no refinements required; future opportunity to review during annual Board workshop
SD-11: Economic Development policy refinement (Most recent monitoring report approved 11/16/23)	CPE	Olson/McAreavey	Medium	Low	Medium	Completed	08/30/23	01/30/24	02/06/24	2/5/24 CPE determined no refinements required; future opportunity to review during annual Board workshop
Develop holistic approach and timeline for regularly monitoring and discussing GP and BL policies	GOV	Focht	High	Medium	Medium	Completed	08/30/23	10/01/23	01/11/24	





# Reporting Item

## BOARD OF DIRECTORS

February 13, 2024

### ITEM

New Generation and Transmission Projects

### PURPOSE

The District is providing an update on the large number of bulk electric system projects that are advancing through the planning, engineering, and construction phases of their respective project lifecycles.

### FACTS

- a. Standing Bear Lake Station: The approximate 150MW reciprocating internal combustion engine (RICE) facility in Douglas County, Nebraska is advancing through the construction and is expected to be operational near the end of 2024.
- b. Turtle Creek Station: The approximate 450MW simple cycle combustion turbine (CT) facility in Sarpy County, NE is advancing through the construction phase and is expected to be operational near the end of 2024.
- c. Solar: Major activities were completed on the efforts for the approximate 81MW solar facility located in Saunders County, Nebraska and the facility is expected to begin operations shortly in 2024. Project development efforts are still underway for the potential 310MW K Junction project in York County, Nebraska.
- d. Cass to Sarpy Transmission: The network expansion for 345kV transmission infrastructure from Cass County, Nebraska to Sarpy County, Nebraska continues to advance.
- e. Near Term Generation New Natural Gas Decisions & Next Steps: Major engine and siting decisions have been completed for the natural gas infrastructure for near term generation.
- f. North Omaha Station Refuel and Retire: Multiple major activities have been conducted for the conversion and extension of North Omaha Station.

### RECOMMENDED:

### APPROVED FOR REPORTING TO BOARD:

DocuSigned by:  
  
B76A6627FE154F8...  
Bradley R. Underwood  
Vice President – Systems Transformation

DocuSigned by:  
  
A6399F0CE56247E...  
L. Javier Fernandez  
President and Chief Executive Officer

BRW:maw



# New Generation & Transmission Update

Committee Meeting  
February 13, 2024



# New Generation & Transmission Update

## Agenda

- Standing Bear Lake Station & Turtle Creek Station
- Solar
- Cass to Sarpy Transmission
- Near Term Generation Key Natural Gas Decisions & Next Steps
- North Omaha Station Refuel & Retire



# Standing Bear Lake Station & Turtle Creek Station



# New Generation & Transmission Update

## Standing Bear Lake Station

- Site Progress: 89.4%
- Construction activities
  - Substation:
    - Substation Substantial Completion: December 13, 2023
    - Energization: December 16, 2023
  - Generation: Final major equipment delivered to site with installation efforts underway.
  - Focus: Electrical work supporting commissioning preparations.



*Site Tour with NE PRB & ELT, 11/17*



*Facing East in Engine Hall – Top of Engine #9*



*Electrical Equipment & Cable Installation*



*Facing Southeast – Engine Hall 3*



# New Generation & Transmission Update

## Turtle Creek Station

- Site Progress: 80.5%
- Construction activities
  - Substation:
    - Substation Substantial Completion: November 28, 2023
    - Energization: November 30, 2023
  - Generation: Equipment assembly continues, including welding and wiring.
  - Focus: Equipment assembly and erection continues.



*Facing South – Unit #2 Filter House Assembly*



*Facing South – Substation*



*Power Distribution Center Motor Control Center*



*Facing Northwest – Unit #1 GCB/Isophase*

# New Generation & Transmission Update



*Facing East – Aerial SBLs, January 2024*



*Facing Southwest – Aerial TCS, January 2024*





# Solar Update





# Platteview Solar

- OPPD Substation Progress: 100%
- AES (Blue Ridge Power – EPC) Construction Progress: 100%
- Generator Step-up Transformer Energized and backfeeding
- Efforts advancing for Test Energy and Facility Testing
- On track for Commercial Operation Date no later than 5/1/2024



*Platteview Solar – Racking & Module Installation*



*OPPD Substation – Bus Extension to AES Collector Substation*



*AES Collector Substation  
Operation*

Design & Engineering

Construction

8

Site Preparation

Commissioning





*Platteview Solar – Aerial of North Parcel Dec 2023*

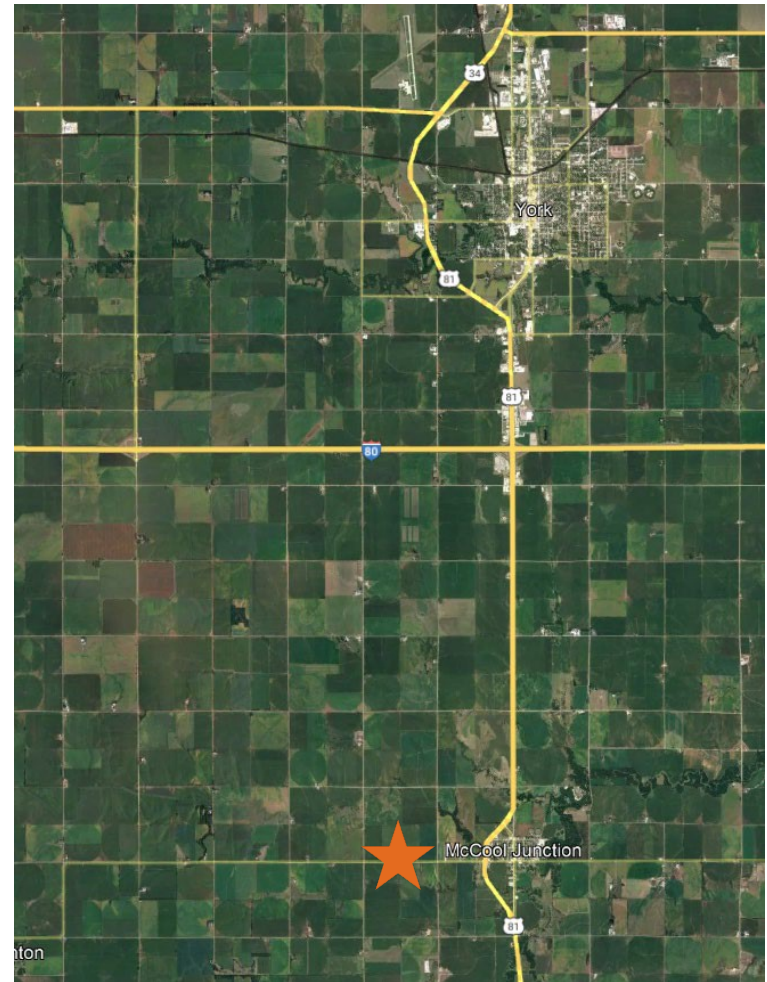


*Platteview Solar – Aerial of South Parcel Nov 2023*



# K Junction Solar

- Generation Interconnection Agreement between OPPD, NPPD, and SPP effective August 2023
- Project Team evaluating documentation and project schedule
- Continuing community engagement and communication
- Supporting York County and the Village of McCool Junction on the development of reasonable solar regulations
- Efforts ongoing with NPPD on the timeline of the associated transmission/facility upgrades



★ General solar facility location

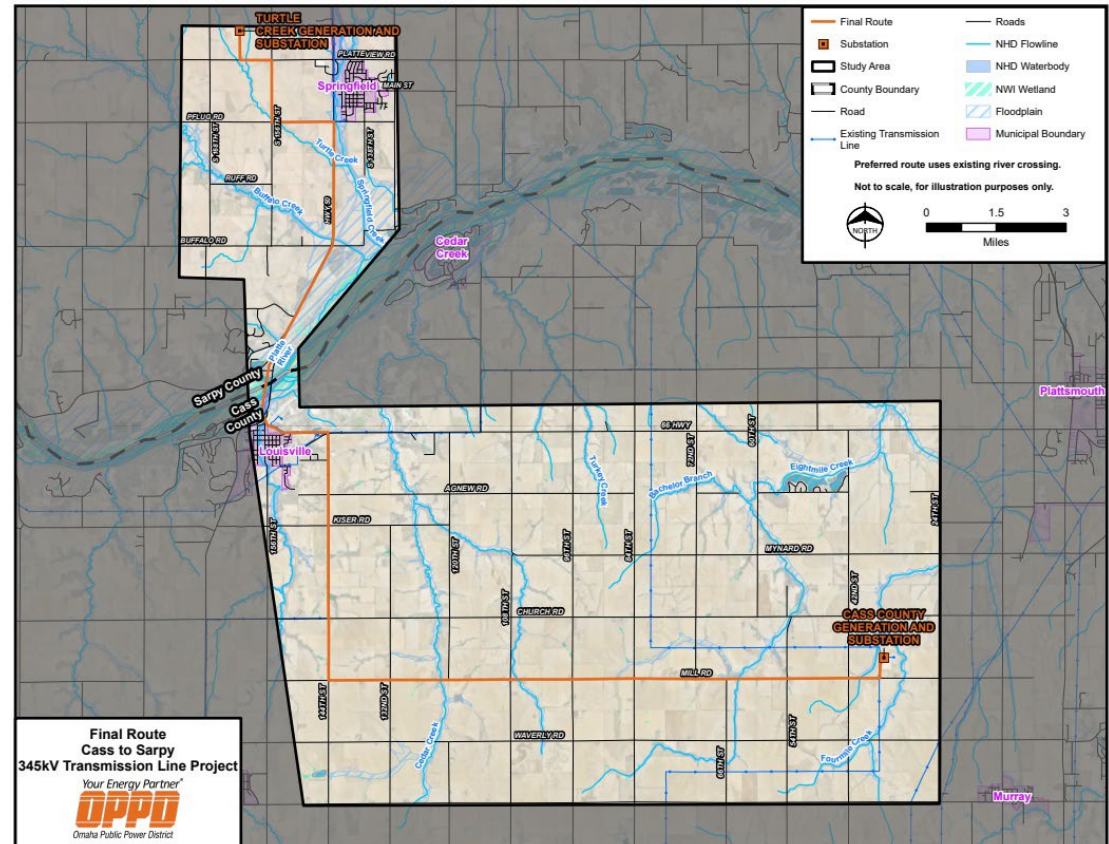


# Cass to Sarpy Transmission Project Update



# Cass to Sarpy Transmission Project Update

- Major Project Organization continue to work on scoping and developing the project management plan for the remainder of the projects.
- Project Team finalizing ultimate substation plans at both remote ends.
- Data gathering for environmental permitting is underway.
- In-person discussions with the landowners along the final route to begin in February.
  - Notifications to all landowners along final route went out January 8th.





# New Generation Key Natural Gas Decisions





# Objective

- Communicate key natural gas infrastructure decisions for near term generation

# Agenda

- Key natural gas decisions
- Next Steps

Resources Selected (Nameplate or Peak Tested Capacity)	Recommended Range of Incremental Additions (MW)
Renewables (Either Solar and/or Wind)	1,000 – 1,500
Storage (4-hour equivalent)	Up to 125
Dual Fuel Combustion Turbine	600 – 950
Demand Response	32+ <i>Future DR to be pursued as available.</i>
Added fuel oil capability and storage at existing facilities	Approximately 320MW

# Dual Fuel Combustion Turbines

## Four Primary, Contemporaneous Decisions

- Decision 1
  - Volume: 600 to 950
- Decision 2
  - Turbine technology class
- Decision 3
  - Turbine manufacturer
- Decision 4
  - Site selection



Cass County Station



# Dual Fuel Combustion Turbines

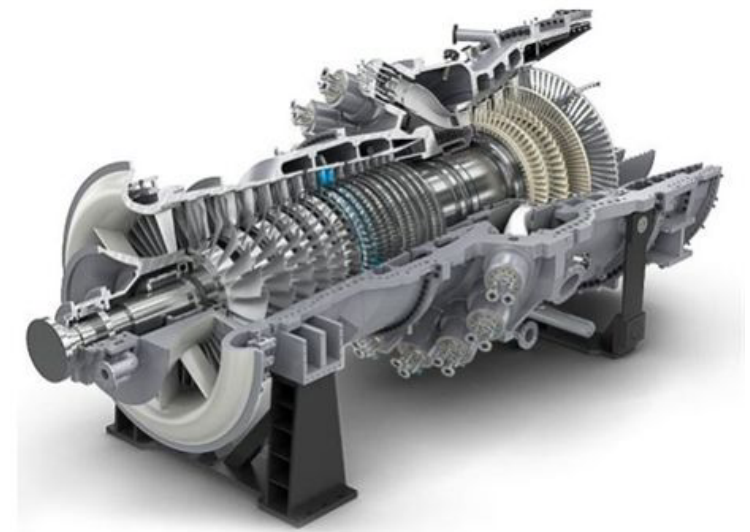
## Decision 1: Volume

- Board resolution
  - 600 to 950 MWs of dual fuel combustion turbines
- Considerations
  - SPP Winter PRM is expected to rise, potentially sharply from 15% to possibly 27% to 46%
  - Solar produces energy but does not materially accredit in winter
  - The high end of the range with larger amounts of new generation, regardless of technology, presents more network upgrade risk, potentially being in the hundreds of millions of dollars which is incremental to the existing unknown network upgrade cost risk associated with Standing Bear, Turtle Creek and Platteview.
  - The lower end of the natural gas volume range creates higher likelihood for capacity deficits sooner.
  - Construction and supply chain driven timelines continue to extend.
- Decision
  - The expected dramatic increase in winter PRM causes winter to be our resource adequacy focus
  - Accordingly, natural gas volume will be on the high side of the range

# Dual Fuel Combustion Turbines

## Decision 2: Technology Class

- Board resolution
  - Does not specify “class” of combustion turbines to ensure proper analysis
  - Two primary classes are being evaluated, F and H, (advanced class not considered due to GI application limits)
- Considerations
  - Affordability
  - Reliability
  - Environmental sensitivity
  - Planned outage frequency
  - Parts availability
  - Operational flexibility
- Decision
  - F Class



Combustion Turbine

# Dual Fuel Combustion Turbines

## Decision 4: Site Selection

- Board resolution
  - Does not specify locations to allow time to properly analyze
- Considerations
  - Greenfield or Brownfield - Community impact and timeliness
  - Natural gas pipeline capacity
  - Land
  - Water
  - Wastewater
  - Noise constraints
  - Generation interconnection requests in SPP queue
  - Air permitting
- Decision
  - Turtle Creek Station
  - Cass County Station



*Turtle Creek Station Units 1 and 2*

# Dual Fuel Combustion Turbines

## Decision 3: Manufacturer

- Board resolution
  - Does not specify “vendor” of combustion turbines allowing timely and competitive sourcing
  - Three vendors provided turbine proposals
    - General Electric, Mitsubishi, Siemens
- Considerations
  - Adherence to solicitation and technical requirements
  - Environmental sensitivity
  - Diversification/commonality
  - Delivery dates
  - Economics
- Decision
  - Siemens



*Combustion Turbine Manufacturing*

# Dual Fuel Combustion Turbines - Recap

## Four Primary Contemporaneous Decisions

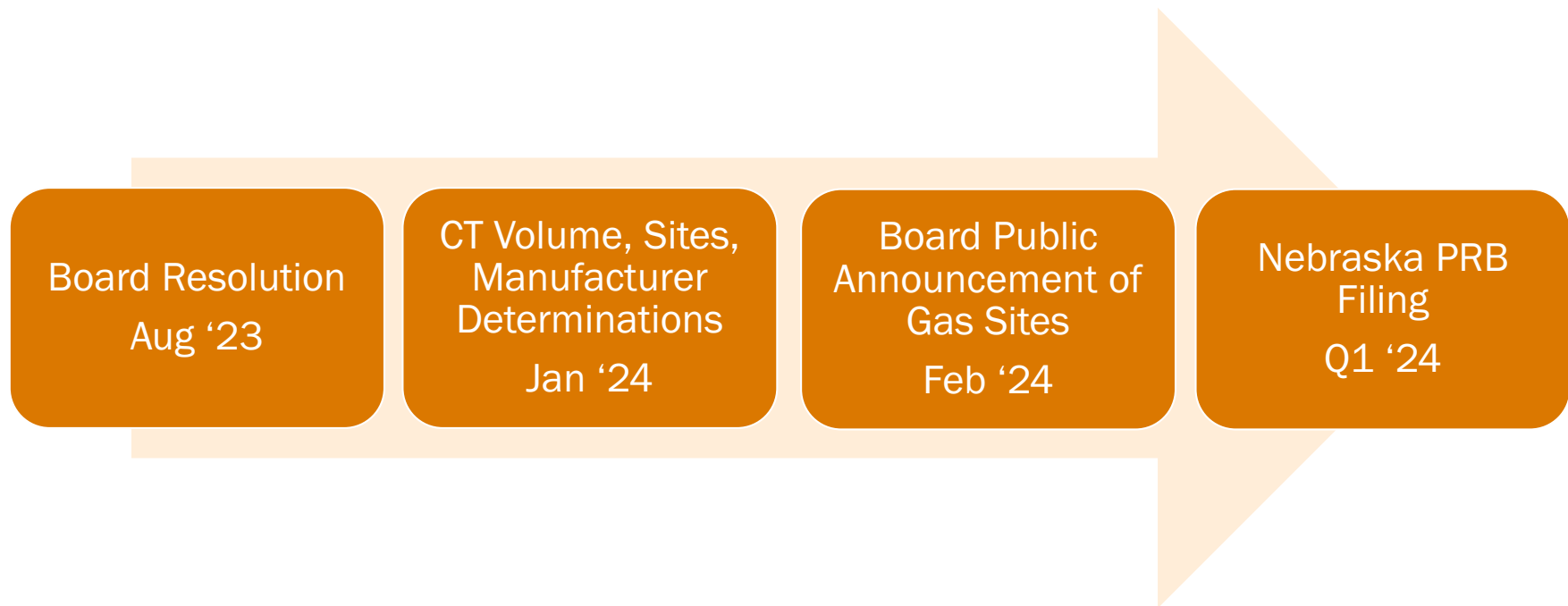
- Decision 1: Volume 600 – 950 MWs
  - 900 MW
- Decision 2: Turbine technology
  - F Class (4 units)
- Decision 3: Turbine manufacturer
  - Siemens
- Decision 4: Site selection
  - Turtle Creek Station (+1 CT)
  - Cass County Station (+3 CTs)



Cass County Station

# Next Steps

Near term activities and timeline

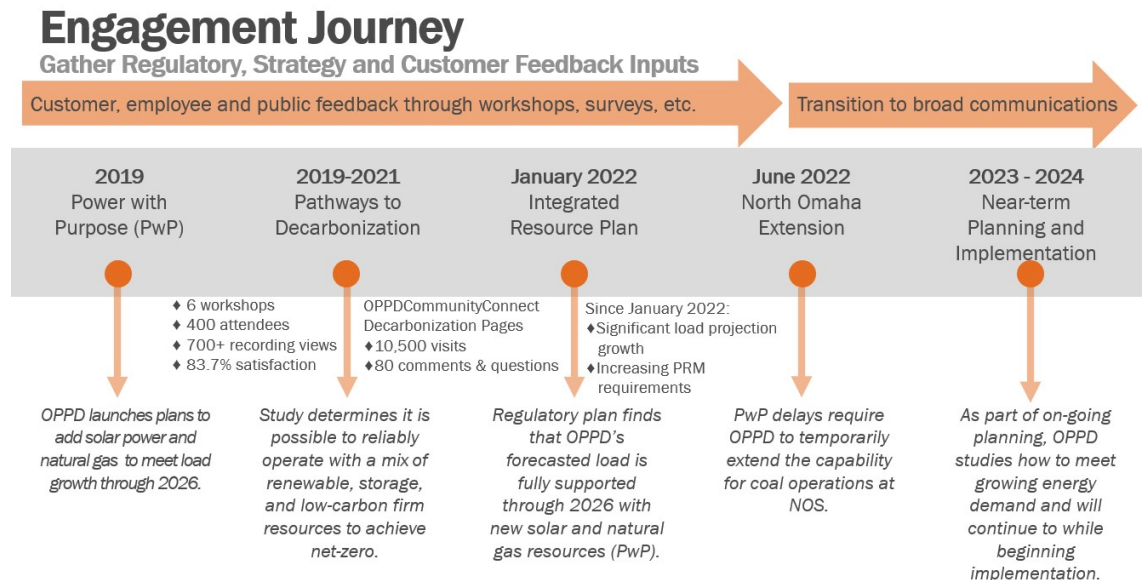


# SD-13: Stakeholder Outreach and Engagement



“OPPD is committed to engaging its customers, the community and other stakeholders.”

- Multi-year, robust stakeholder outreach and engagement process utilized through Power with Purpose and Pathways to Decarbonization leading up to the current Near-Term Generation announcement
- Education and engagement will continue going forward





# Key Messages: Near-term generation

- **What is driving the need**
  - Growth in demand
  - Increasing regulatory margins
- **Benefits of a diverse energy portfolio**
  - Importance for reliability and resiliency
  - Balancing sources allows for reliability during extreme events
  - Open to new fuel sources, including small modular nuclear reactors, which remain prohibitively expensive
- **Net-zero commitment**
  - Remain committed to balance reliability, affordability and environmental sensitivity
  - Reliability and resiliency remains priority

# Near-term public engagement and outreach

## TIMELINE

- **February 13:**  
Updates to OPPD Community Connect generation page
- **February 13:**  
Filing with NE Power Review Board
- **March 15:**  
NE Power Review Board hearing

## STAKEHOLDERS

- Employees
- Public officials
- Community leaders
- Impacted neighbors
- Stakeholders engaged in Pathways to Decarbonization
- Customers
- Media
- Industry

## COMMUNICATIONS

- **Internal:**
  - Intranet article for employees
  - Emails to leaders with talking points
  - Targeted comms for Utility Operations
- **External:**
  - Wire story, share on social
  - News release for Feb. Board (standard)
  - Tentative – pre-meeting heads-up to World-Herald



# North Omaha Station Refuel & Retirement



# North Omaha Station Refuel/Retire Project

## Planning:

- Preparations for N05 boiler & turbine outage (Mar '24)

## Design/Procurement:

- N05 burner replacement
- 316(b) intake travelling screen

## Construction:

- Ash landfill closure
- Ash storage building
- Electric Auxiliary Boiler plant interconnections

## Completed:

- N04 turbine & generator inspections
- Cofferdam wall construction



*Auxiliary Boiler Piping*



*Completed Cofferdam*



*N04 Turbine Inspection*



*Ash Landfill Progress*