## Agenda

**OPPD Board of Directors – All Committees Meeting**  
**Tuesday, October 19, 2021**  
**CLOSED SESSION – 8:00 AM – PUBLIC SESSION 10:00 A.M.**  
*Public may attend by going to [www.oppd.com/CommitteeAgenda](http://www.oppd.com/CommitteeAgenda) to access the Webex meeting link and view instructions.*

<table>
<thead>
<tr>
<th>TOPIC</th>
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<tbody>
<tr>
<td>1. Chair Opening Statement</td>
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<td>Bogner</td>
<td>8:00 A.M.</td>
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<td>2. Closed Session</td>
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<td>8:10 A.M.</td>
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<td></td>
<td>Power with Purpose Update</td>
<td>Reporting</td>
<td>Fisher</td>
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<td>Cyber and Physical Security Update</td>
<td>Reporting</td>
<td>Brown</td>
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<td>CFO Appointment and Compensation Approval</td>
<td>Action</td>
<td>Fernandez</td>
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<td><strong>BREAK</strong></td>
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<td><strong>Open Webex Meeting to Allow Public to Join</strong></td>
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<td>3. Public Session – Chair Opening Statement</td>
<td>Bogner</td>
<td>10:00 A.M.</td>
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<td>4. Safety Briefing</td>
<td>Fernandez</td>
<td>10:05 A.M.</td>
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<td>5. Governance Committee</td>
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<td>Moody</td>
<td>10:10 A.M.</td>
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<td>Governance Chair Report (10/14/21)</td>
<td>Reporting</td>
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<td>CFO Appointment and Compensation Approval</td>
<td>Action</td>
<td>Fernandez</td>
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<td>SD-12: Information Management and Security Monitoring Report</td>
<td>Action</td>
<td>Brown</td>
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<td>6. Finance Committee</td>
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<td>Yoder</td>
<td>10:50 A.M.</td>
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<td>Finance Chair Report (10/8/21)</td>
<td>Reporting</td>
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<td>Settlement with the Nebraska Dep’t of Revenue</td>
<td>Reporting</td>
<td>Thurber</td>
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<td>Green Power Update</td>
<td>Reporting</td>
<td>Comstock</td>
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<td><strong>BREAK FOR LUNCH</strong></td>
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<td>7. System Management &amp; Nuclear Oversight Cmte</td>
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<td>SM&amp;NO Chair Report (10/6/21)</td>
<td>Reporting</td>
<td>Williams</td>
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<td>North Omaha Station Unit 4 and 5 Burner Replacement – Engineer’s Certificate to Negotiate</td>
<td>Action</td>
<td>Fisher</td>
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<td>Jones Street Station Exhaust Stack Replacements – Engineer’s Certification</td>
<td>Action</td>
<td>Fisher</td>
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<td>RFP 5911 – Steel Structures</td>
<td>Action</td>
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<td>Nuclear Oversight Committee Report</td>
<td>Reporting</td>
<td>Fisher</td>
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<td>SD-7: Environmental Stewardship Monitoring Report</td>
<td>Action</td>
<td>Fisher</td>
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<td><strong>BREAK</strong></td>
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<td>8. Public Information Committee</td>
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<td>Public Information Chair Report (10/12/21)</td>
<td>Reporting</td>
<td>Mollhoff</td>
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<td>• Note: Due to time, Customer Trends Quarterly Update will be posted on OPPD.com</td>
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<td>Legislative and Regulatory Update</td>
<td>Reporting</td>
<td>Olson</td>
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<td>SD-13: Stakeholder Outreach and Engagement Monitoring Report</td>
<td>Action</td>
<td>Olson</td>
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*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).*
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<th>TOPIC</th>
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<tbody>
<tr>
<td>Confirmation of Board Meeting Agenda</td>
<td>Action</td>
<td>Bogner</td>
<td>5 min</td>
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<tr>
<td>Review of Board Work Plan</td>
<td>Discussion</td>
<td>Bogner</td>
<td>5 min</td>
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<td>Power with Purpose Update</td>
<td>Reporting</td>
<td>Fisher</td>
<td>15 min</td>
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<tr>
<td>Pathways to Decarbonization Strategic Initiative Update</td>
<td>Presentation</td>
<td>Fisher</td>
<td>60 min</td>
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9. Other Business

9:30 A.M. - 3:30 P.M.
Pre-Committee Agenda

GOVERNANCE PRE-COMMITTEE MEETING
WEBEX VIDEOCONFERENCE
October 14, 2021  8:00 – 9:00 A.M.

1. CFO Appointment and Compensation Approval (Fernandez – 10 min)
   a. Objective: Align around recommendation for appointment and compensation.

2. OPPD Redistricting – Amendment to OPPD’s Petition for Creation (Bruckner – 20 min)
   a. Objective: Update on status to make a well-informed and timely recommendation regarding OPPD redistricting.

3. 2021 Board Governance Workshop Debrief (Focht – 15 min)
   a. Objective: Align on initial actions and next steps. (e.g. summary of committee direction, confirmation of board work plan)

4. SD-12: Information Management and Security Monitoring Report (Brown – 5 min)
   a. Objective: Confirm recommendation and address any questions.

5. Cyber and Physical Security Update (Brown – 5 min)
   a. Objective: Confirm topic and address any questions.

6. Confirmation of Board Work Plan – Governance Committee Items (2 min)
   a. Objective: Committee members to review and confirm items on the Board Work Plan.

7. Summary of Committee Direction (2 min)
   a. Objective: Senior management team liaison(s) to summarize direction provided by the committee.
Board Action

BOARD OF DIRECTORS

October 19, 2021

ITEM

SD-12: Information Management and Security Monitoring Report

PURPOSE

To ensure full board review, discussion and acceptance of SD-12: Information Management and Security 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 Governance Committee is responsible for evaluating Board Policy SD-12: Information Management and Security.

d. The Governance Committee has reviewed and accepted the SD-12: Information Management and Security Monitoring Report and finds that OPPD is taking reasonable and appropriate measures to comply with the policy.

ACTION


RECOMMENDED:  
Kathleen W. Brown  
Vice President and Chief Information Officer

APPROVED FOR BOARD CONSIDERATION:  
L. Javier Fernandez  
President and Chief Executive Officer

Attachments:
Exhibit A – Monitoring Report Resolution
SD-12: Information Management and Security Monitoring Report

Governance Committee Report
October 2021
Robust information management and security practices are critical to effective risk management and to ensure regulatory compliance, business resiliency and customer-owner satisfaction.

OPPD shall safeguard and protect data, information and assets from inappropriate use, improper disclosure and unauthorized release.
Ensuring Compliance to SD-12

- New Initiatives and Controls
- Ongoing Controls
Information Security

Objective
• OPPD 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

Ongoing Controls
• Maturing our capabilities to identify and respond to cybersecurity events
• Identifying and mitigating known vulnerabilities based on risk to the organization
• Conducting regular cybersecurity incident response exercises to test and improve our processes
• Establishing and maturing plans, procedures, and technologies to detect, analyze, and respond to cybersecurity events
• Leveraging partnerships to collect and provide cybersecurity information, including threats and vulnerabilities, to reduce risks and to increase operational resilience
• Maturing our security awareness services with a focus on phishing prevention
• Creating security awareness to all employees through training and communications
Customer Privacy

Objective

• Except as provided by law or for a business purpose, OPPD will not disseminate customer-owner information to a third party for non-OPPD business purposes without customer-owner consent.

• Where sensitive and confidential information is disseminated for a business purpose, OPPD will ensure that the third party has information practices to protect the sensitive and confidential customer-owner information.

• OPPD will maintain a process that identifies the business purposes for which OPPD will collect, use and disseminate sensitive and confidential customer-owner information.

Ongoing Controls

• OPPD’s Identity Theft Prevention Program is the cornerstone for ensuring customer privacy throughout OPPD.
  – This program is reviewed regularly for effectiveness and compliance with state and federal regulations.
  – An annual report of this program is reviewed by OPPD management to ensure its effectiveness.
  – All employees with access to customer information are trained based on this program, including annual training and regular assessments in relation to data sharing and security.

• Customer Service and Public Affairs teams partner to provide customer communications based on fraud-related trends and events.
Records Management

Objective

• The efficient and systematic control of the creation, capture, identification, receipt, maintenance, use, disposition, and destruction of OPPD records, in accordance with legal requirements

Ongoing Controls

• Ensuring records management staff are trained on practices and have procedures for maintaining, archiving and destruction of required business records
• Leveraging industry and external partnerships, including outside utilities and government entities
• Continuing process and service improvements in light of efficiency, effectiveness and security
• Strengthening collaboration across OPPD in the area of records management
• Supporting records management efforts associated with FCS nuclear decommissioning and other EPND activities
Compliance – Ongoing Controls

Objective
- Comply with contractual and legal requirements through the use of technical controls, system audits and legal review

Ongoing Controls
- Strengthening governance, risk and compliance capabilities through formal enterprise management, identification and attestations of control compliance
- Engaging employees, legal counsel and external entities to stay abreast of the changing landscape from a legal/compliance perspective
- Confirming that security and privacy measures are included in contracting processes for the protection of OPPD data and systems, and also supported by our engaged third parties
- Performing internal and external audits and reviews on a regular basis, with findings provided to management
Progress in 2021

Information Security
• Strengthened security through specialized training and awareness activities
• Increased focus on vendor risk management
• Strengthened the governance and management of Information Security, enhancing integration of security capabilities in technology solutions
• Increased threat awareness through industry and data sharing partnerships

Customer Privacy
• Enhanced scam prevention tactics and continued proactive requests to shut down toll free numbers known to be used to defraud OPPD customers
• Brought greater visibility to area scam activities through utility partnerships
• Requested shut down of suspicious non-toll free numbers
• Introduced new methods of customer education: NextDoor & email

Records Management
• Continued development of records management function
• Completed retention schedule review, seeking State of Nebraska Records Management Office approval
• Leveraged industry and external partnerships
• Supported records management efforts associated with FCS nuclear decommissioning and EPND activities

Compliance
• Strengthened security policy (and associated controls), further aligning to established best practices, industry standards, and regulatory recommendations and requirements
• Increased focus on digital transformation, cloud technology growth and OT/IT convergence
• Completed internal and external maturity assessments of critical capabilities, threat and vulnerability management
Recommendation

• The Governance Committee has reviewed and accepted this Monitoring Report for SD-12 and finds that OPPD is taking reasonable and appropriate measures to comply with Board Policy SD-12
Questions
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 Governance Committee (the “Committee”) is responsible for evaluating Board Policy SD-12: Information Management and Security on an annual basis. The Committee has reviewed the 2021 SD-12: Information Management and Security Monitoring Report and finds OPPD is taking reasonable and appropriate measures to comply with Board Policy SD-12 as stated.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of Omaha Public Power District accepts the 2021 SD-12: Information Management and Security Monitoring Report, in the form as set forth on Exhibit A attached hereto and made a part hereof, and finds that OPPD is taking reasonable and appropriate measures to comply with Board Policy SD-12: Information Management and Security.
Pre-Committee Agenda

FINANCE PRE-COMMITTEE MEETING
VIDEOCONFERENCE
October 8, 2021  8:00 – 9:30 AM

1. Preliminary 2022 Rate Increase Overview (Thurber/Underwood – 10 min)
   a. Objective: Share the preliminary rate increase amount and reasons for the increase.

2. Settlement with Nebraska Department of Revenue on Sales Tax Audit (Thurber – 10 min)
   a. Objective: Review settlement with NDOR on sales tax audit.

3. Green Power Rate Update (Comstock – 10 min)
   a. Objective: Update Committee on possible changes to Green Power rate.

4. SD-2: Rates Policy Revision (Yoder – 55 min)
   a. Objective: Committee members to discuss proposed revisions to policy with respect to monitoring affordability.

5. Confirmation of Board Work Plan – Finance Committee Items (3 min)
   a. Objective: Committee members to review and confirm items on the Board Work Plan.

6. Summary of Committee Direction (2 min)
   a. Objective: Senior management team liaison(s) to gain alignment and summarize direction provided by the committee.
The Board of Directors shall establish a rate target of no general rate increases for a 5-year period starting January 1, 2017 and ending December 31, 2021, and a directional rate target of 20% below the West North Central Regional average published rates on a system average basis.

In implementing this rate target, OPPD shall adhere to these principles:

- Maintain fair, reasonable and non-discriminatory rates as stated in Nebraska Revised Statute § 70-655;
- Equitably assign costs across and within all customer classes;
- Monitor affordability indicators;
- Pursue rate process and structure changes to reflect the cost of energy when it is used;
- Offer flexibility and options; and
- Be simple and easy to understand.

*Defined in Glossary.*
## Glossary

**DART**

*Days Away, Restricted or Transferred:* The rate is calculated by multiplying the number of DART cases times 200,000 divided by the hours worked.

**general rate**

OPPD general rates service retail customers. These are rates that are charged to all residential, commercial and industrial customers. These revenues exclude charges such as connection and service charges.

**liquidity**

Total cash and unrestricted funds available to meet ongoing daily cash requirements.

**nationally syndicated studies**

National customer satisfaction studies performed by an independent third party, regardless of OPPD’s interest in participating, that provide objective measures by which electric utility companies can analyze their residential and commercial customer satisfaction relative to others in the industry.

**PVIR**

*Preventable Vehicle Incident Rate:* The rate is calculated by multiplying the number of PVIR cases times 1,000,000 divided by the miles driven.

**stakeholders**

Customer-owners, employees, community leaders, media, retirees, and any other person of interest or concern regarding OPPD business matters.

**system average basis**

Total revenue billed to retail customers divided by total kWh sold to retail customers. The result is measured in cents per kWh or the average system basis.

**total debt service coverage**

Revenues less expenses divided by total annual senior and subordinate lien debt interest and principal payments.
Reporting Item

BOARD OF DIRECTORS

October 19, 2021

ITEM

Sales Tax Audit Settlement Report

PURPOSE

Report settlement in excess of $50,000

FACTS

a. In May 2018, following an audit, the Nebraska Department of Revenue (NDOR) assessed the District for uncollected sales tax, interest and penalty on pole attachment revenue, in the sum of $489,056.60 for the Audit Period 1/1/13-12/31/15. The majority of this assessment was due to a change of interpretation by NDOR of the taxability of pole attachment revenue. The District protested the assessment. In May 2019, the Legislature enacted a bill to clarify, prospectively, that pole attachment revenue is excluded from sales taxation. Management has concluded, with the advice of counsel that it is in the District's best interest to settle the audit protest.

b. The District and NDOR have agreed to a settlement in the amount of $228,008.56, without any admission of liability by the District. The parties have entered into a written settlement of the claim. This report to the Board is provided pursuant to Section 84-713 of the Nebraska Revised Statutes.

ACTION

Reporting item

APPROVED AND RECOMMENDED FOR REPORTING TO BOARD COMMITTEE:

RECOMMENDED:  

APPROVED FOR REPORTING TO BOARD:

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Sales Tax Audit Resolution 2013-2015

October 19, 2021
Issue: State assessment on Pole Attachment / Leases

• In May 2018, following an audit, the Nebraska Department of Revenue (NDOR) assessed the District for uncollected sales tax, interest and penalty on pole attachment revenue, in the sum of $489,056.60 for the Audit Period 1/1/13-12/31/15.

• The majority of this assessment was due to a change of interpretation by NDOR of the taxability of pole attachment revenue. OPPD has been protesting this assessment.

• The District sponsored a legislative bill that was passed unanimously to exclude electric utility property from this taxation as of May 2019 (LB218).

• The NDOR refuses to waive the assessment for the 2013-2015 audit period and would also assess OPPD for 2016 and 2017. In January of 2018 OPPD began to collect sales tax on these fees from lessees after we were notified of their interpretation.
Settlement Detail

- The original assessment by the NDOR including penalties and interest was $489,057.
- The settlement amount of $228,008.56 is 47% of the original amount.
- The settlement states that the NDOR will not assess the District for the 2016 and 2017 pole attachment revenues, which are yet to be audited. The estimated amount of tax that would be assessed for these years is $293,323.
- The settlement is 29% of the original assessment plus the estimate for 2016-2017.
Summary

• The District paid the NDOR $228,008.56 which is 47% of the original assessment and 29% of the original assessment plus the estimated tax liability for the pre-LB218 revenue.
• This settlement prevents a lengthy legal challenge process.
• Management concluded, with the advice of counsel, that it was in the District's best interest to settle the audit protest.
Reporting Item

BOARD OF DIRECTORS

October 19, 2021

ITEM

Green Power Update

PURPOSE

To provide an update on the Green Power refresh project.

FACTS

a. OPPD project team members have conducted benchmarking and market research activities with other utilities and completed multiple outreach opportunities with current OPPD customers to identify their concerns, future wishes and values in green-sponsored products.

b. A new customer product using customer subscribed funds focused on building “green” community initiatives will launch during the first quarter of 2022. Customers will be engaged to participate in the selection of where the funds will be used.

c. A transparent dashboard and webpage will be developed for customers to see the quantity of funds raised and the status of active initiatives as a result.

d. The Board will be presented with a vote as part of the 2022 Corporate Operating Plan to sunset the current state Green Power Rate Riders 463A and 463B as of March 31, 2022.

RECOMMENDED:

Juli A. Comstock
Vice President – Customer Service

APPROVED FOR REPORTING TO BOARD:

L. Javier Fernandez
President and Chief Executive Officer

Attachments: Presentation
Green Power Refresh Project

Presented to OPPD’s Board of Directors
by Heather Siebken, Director of Product Development & Marketing
on October 19, 2021
Green Power Program (Current State)

• Introduced in 2002
• Contributions supporting renewable generation projects:
  • Valley Wind Turbine
  • Elk City Landfill Gas Facility
  • Ainsworth Wind Facility
• Green Power Rate Rider
  • Funds are required to be used on generation sources that meet the Federal Energy Policy Act of 1992
• Residential participation is slightly over 1%
Problem Statement & Goals

Current program no longer meets customers' needs or OPPD's goals

- Improve transparency
- Increase customer participation
- Community focused
- Different from community solar
- Support renewable and sustainability goals
Research
Industry Research Recap

- Majority of electric utilities have some form of green energy program
- Programs have options of supporting utility renewable generation, conservation, and sustainable energy projects
- Utilities are considering phasing out their additional cost green programs due to renewable generation goals
- Separate programs for residential and commercial is most common
- Many offered shares to customers, similar to our community solar program
- Our utility research displayed top programs group several renewable products under one product name
Customer Outreach

- Understand customer values and goals
- Discuss product features, benefits and preferences
- Test product ideas to receive and incorporate feedback
Key Customer Learnings

• OPPD to be a trusted source of information
• Funds used for community projects vs. generation
• Choice and customization features
• Community involvement and support
• Transparency of funds and project selection

Note: Current Green Power program scored the lowest of all program options
Product Recommendation
New Product Recommendation

Product Description:
Customers subscribe to a green-focused program and partner with OPPD to choose, promote and execute on environmental projects that educates our community members and builds a healthier, safer and cleaner environment.

Product Pricing & Participation:
• Monthly subscription (w/one-time payment campaigns)
• Price points of $5, $7, $10
• Higher amount receive additional recognition and opportunity to vote on upcoming projects

Customer Value:
• Funds go to selected green, non-OPPD generation projects within the District
• Transparent project dashboard on OPPD.com
• Marketing communication to participants showcasing projects
• Ability for communities or customer groups to apply for project funding
Project Application Requirements
Projects must fall under 1 or more categories

Support Sustainable Energy
Project funds new, community-based activities or initiatives in OPPD’s territory that support sustainable/renewable energy

Reduce Environmental Impact
Project is able to measure the reduction in environmental impact such as KWh, waste, gas usage, product use, etc.

Support Community Betterment
Project shows support for education, health, culture and arts, community betterment, or social services
Community Project Examples

- HOA or public park solar project
- Renewable generation at schools for educational purposes
- Energy efficiency projects
- Beautification, pollination & tree planting initiatives
- Low-income energy projects
- Partnerships with local organizations

- Arboretum expansion
- Sustainability park
- Bike path construction
- Support community recycling / composting
- Support metro-transit and emissions reduction
- Energy focused science/innovation fair

This slide is illustrative and not meant to be an all-inclusive and/or checklist. The slide conveys a number of areas being explored as part of the initiative.
Green Power vs. New Product

**Before**
- Average customer enrollment over lifetime of product – **5,500**
- Average annual revenue over lifetime of product - **$261,000**
- Funds dedicated to OPPD renewable generation projects only
- OPPD selected the projects, locations and generation type

**After**
- Estimated annual enrollment at market penetration – **41,000**
- Estimated annual revenue at market penetration - **$2,500,000**
- Funds dedicated to enhancing our community in pursuit of green and renewable efforts
- Community selected projects with project applications and selection committee
Increase Customer Transparency

- Interactive tool for customers to provide feedback on projects
- Sharing success in order to cultivate transparency of funds
- Visually appealing elements, including funding gauge for various projects.
- E-Newsletter for subscribers
- Key themes, transparency and community focused
Strategic Alignment

SD-13: Stakeholder Outreach & Engagement
SD-5: Customer Satisfaction
SD-7: Environmental Stewardship
Pathways to Decarbonization Strategic Initiative
Customer Engagement for the Future Strategic Initiative
Powering the Future 2050

New Product
Next Steps

- Terms and Conditions Approval
- Project Application Scoring Criteria
- **Board Action for Rate 463A/463B**
- Customer Retention Strategy
- Brand and Message Development
- Technology Requirements
- Marketing & Communications Plan
- Launch Program in Q1, 2022
- Re-evaluate Commercial Program
Commercial Recommendation

**Recommendation:**
- Sunset current Green Power Offering and Rate Rider (463B)
- Little participation and impact

**Future State:**
- Encouraged to participate in new community support product
- New project to determine future offering
  - Commercial Customer needs vary from Residential
  - Opportunity to develop product targeted at reducing or offsetting their carbon footprint
Q&A
Pre-Committee Agenda

SYSTEM MANAGEMENT & NUCLEAR OVERSIGHT
PRE-COMMITTEE MEETING
WEBEX VIDEOCONFERENCE
October 6, 2021  4:00 – 5:00 P.M.

1. North Omaha Station Unit 4 and 5 Burner Replacement – Engineer’s Certificate (7 min)
   a. Objective: Review proposed action item and address any questions

2. Jones Street Station Exhaust Stack Replacements – Engineer’s Certificate (7 min)
   a. Objective: Review proposed action item and address any questions

3. SD-7: Environmental Stewardship Monitoring Report (40 min)
   a. Objective: Review and discuss draft monitoring report and determine recommendation for the Board regarding approval

4. Confirmation of Board Work Plan – System Committee Items (3 min)
   a. Objective: Committee members to review and confirm items on the Board Work Plan

5. Summary of Committee Direction (2 min)
   a. Objective: Senior management team liaison(s) to summarize direction provided by the committee
Board Action

BOARD OF DIRECTORS

October 19, 2021

ITEM

North Omaha Station Units 4 and 5 Gas Conversion Engineer & Procure Contract

PURPOSE

Provide services for the design and supply of natural gas equipment and controls for North Omaha Station Units 4 and 5.

FACTS

a. Per Resolution No. 6006, the Board of Directors authorized management to refuel North Omaha Station Units 4 and 5 to natural gas. Testing has confirmed that modifications are required to allow Unit 5 to meet planned power output levels post fuel conversion. Updates to the controls of both Unit 4 and Unit 5 are also needed to provide for the same capability as the units have on coal.

b. The District’s engineer has certified the complex nature of the work and that use of the sealed bid process is impractical and not in the public’s best interest.

c. The District will solicit competitive proposals from qualified contractors for the work. A negotiated contract process will provide more time for potential contractors to develop a detailed work plan with optimized project schedule, pricing, and risk mitigation.

d. The Unit 5 natural gas combustion and associated equipment are long lead delivery items. A contract for installation will be awarded separately. The installation will occur in the spring of 2024 during scheduled unit outages.

ACTION

Approval of the Engineer’s Certification and authorization for management to negotiate and enter into contracts for the design and supply of natural gas equipment and controls at the North Omaha Station for Units 4 and 5.

RECOMMENDED:

Mary J. Fisher
Vice President – Energy Production and Nuclear Decommissioning

APPROVED FOR BOARD CONSIDERATION:

L. Javier Fernandez
President and Chief Executive Officer

SAE

Attachments: Letter of Recommendation
Engineer’s Certificate
Legal Opinion
Resolution
MEMORANDUM

DATE: October 6, 2021
FROM: S.A. Eidem
TO: M.J. Fisher
SUBJECT: North Omaha Station Units 4 and 5 Gas Conversion Engineer and procure Contract

1.0 GENERAL

Per Omaha Public Power District (OPPD) Board of Directors’ Resolution No. 6006, North Omaha Station Unit 4 (NO4) and Unit 5 (NO5) will be refueled from coal to natural gas. Post fuel conversion, NO4 and NO5 are needed to have a combined minimum turbine generator output of 278 MW net to meet resource planning requirements. Based upon previously completed 2010 testing, NO4 can achieve the planned generation of 106 MW net on natural gas without any modifications. In July 2020, testing showed that a maximum NO5 turbine generator output of approximately 72 MW net could be achieved using only natural gas firing in the current configuration. NO5 will require burner and support system modifications to achieve the planned generation of 172 MW net on natural gas.

In March 2020, a vendor provided a high level feasibility study to convert NO5 from coal to natural gas firing and concluded the unit to be a good candidate for coal-to-natural gas conversion. Preliminary full load performance calculations predicted small changes in unit efficiency and other operating parameters, including changes in emissions that will need to be confirmed through further detailed analysis. Boiler pressure part modifications are not expected to be required for this natural gas fuel conversion to obtain the desired unit output, but will be verified as part of the proposed contract.

OPPD plans to complete detailed full thermal/hydraulic modeling of the boiler for the determination of the scope of burner and natural gas system modifications, as well as final emissions predictions. OPPD will conduct a Prevention of Significant Deterioration (PSD) netting study as well as 3rd party boiler thermal computational fluid dynamic modeling for the consideration of emission profiles. OPPD will evaluate burner/igniter dual fuel (natural gas and No. 2 fuel oil) capability and improved operational characteristics during the gas conversion contracting process to optimize unit performance. This project will also include controls automation for NO4 and NO5 to facilitate automatic generation control for these units when firing using natural gas as neither of the units are currently automated using that fuel.
2.0 CONTRACTING APPROACH

The District’s contracting method for this project is to utilize the Engineer’s Certification process for the engineer, procurement, and commissioning (material supply) contract(s) on the basis of the project being technologically complex and unique. Therefore, it is in the District’s and public’s best interest to forego the sealed bidding process. Instead competitive bids will be sought through a publically available Request for Proposal (RFP) and detailed negotiation process with capable bidders. The contract(s) will be awarded to the contractor with the lowest and best evaluated bid.

The process leading to the award of the engineer and procurement contract will consist of two phases; indicative bidding and short list negotiations. The District’s General Counsel will be involved in the review and approval of the final contract documents. A firm price contract award is anticipated to be in the spring of 2022.

Additionally, the District will utilize a multiple contracting approach (engineer and procure contract, installation contract, controls contract, and simulator contract) with an owner’s engineer and a separate boiler thermal modeling company for this project. This approach provides the necessary boiler characteristics to the burner suppliers to facilitate and establish firm prices upfront with guarantees, incentives, and liquidated damages clearly defined. It provides opportunities for design innovations that integrate engineering, materials, and construction to get the best value and optimize risk mitigation. It allows OPPD to select the most qualified material suppliers and installation companies separately and enables OPPD to work directly with the controls and simulator vendors to incorporate changes to their systems. It is anticipated that the bids from a separate labor RFP for installation of the associated equipment will be presented to the board for approval in the spring of 2023.

3.0 RECOMMENDATION

An Engineer’s Certification of the above has been prepared. Approval of that Certification is recommended. We request the Board of Directors approve the Engineer’s Certification and to authorize management to negotiate and enter into contracts to furnish and automate natural gas combustion equipment at North Omaha Station Unit 5 and to automate existing natural gas combustion equipment at North Omaha Station Unit 4.

Scott A. Eidem

S.A. Eidem, P.E.
Director, Engineering Services
Energy Production and Nuclear Decommissioning
Per Omaha Public Power District (OPPD) Board of Directors’ Resolution to 6006, North Omaha Station Unit Nos. 4 and 5 will be refueled to natural gas. Converting from coal to a low-nitrogen / low-sulfur content fuel such as natural gas is an effective technique for the reduction of NOx and SOA emissions. Post conversion, units 4 and 5 are planned to have a combined minimum turbine generator output of 300 megawatts (MW) or 278 MW net. Unit 5 will require burner modifications and a resultant increase of approximately 100 MW net to achieve the planned generation output levels.

OPPD intends to enter into a contract to engineer and furnish low emission combustion equipment which will allow Unit 5 to reach planned MW output levels on natural gas post fuel conversion. This contract will include automatic generation control (AGC) to automate the existing Unit 4 and 5 manual controls during natural gas operation. The replacement of the existing Unit 5 equipment requires intricate re-design to meet the required thermal and maintenance performance within physical constraints. The new design requires integration with other plant systems in order to maximize performance and sustain guarantees. For these and other reasons as explained and certified in this Engineer’s Certificate, OPPD Management seeks approval from the Board of Directors to enter into the necessary contract(s) for this project without using the statutory sealed bid process.

The undersigned, a Nebraska professional engineer employed by OPPD, certifies that compliance with the sealed bidding requirements of Nebraska statutes, Neb. Rev. Stat. 70-637 to 70-641, is impractical and not in the public interest for the following reasons:

- The burners, controls, and associated supporting systems are technically complex and must be integrated with other plant systems to optimize performance and obtain equipment performance guarantees.
- A wide range of potential design solutions exist with different balance of plant issues for each technology and variable cost benefits for variable unit characteristics, requiring careful discussions that cannot be conducted feasibly with sealed bidding.
- A negotiated contract provides the proper mechanism to develop terms and conditions with acceptable risk mitigation and also maintains the viability of the major burner suppliers throughout the contracting process.

Pursuant to Section 70-637 of the Nebraska Revised Statutes, as amended, the Board of Directors is requested to approve this Engineer’s Certificate and authorize Management to negotiate and enter a contract to furnish and automate natural gas combustion equipment at North Omaha Station Unit 5 and to automate existing natural gas combustion equipment at North Omaha Station Unit 4 without compliance with Sections 70-637 to 74-641 of the Nebraska Revised Statutes.

I, Steve D. Johnson (registered Professional Engineer in the State of Nebraska), certify the above to be true and correct to the best of my knowledge and belief.
September 17, 2021

Omaha Public Power District
444 South 16th Street
Omaha, NE  68102

RE:  North Omaha Station - Engineer's Certification for North Omaha Units 4 & 5 burners, burner controls, and supporting equipment

Ladies and Gentlemen:

We have reviewed the Engineer's Certification of Steve D. Johnson, P.E., a registered professional engineer in the State of Nebraska employed by the District. Mr. Johnson's Engineer's Certification states that the District intends to enter into a contract to engineer and supply low emission combustion equipment (burners) for North Omaha Unit 5 and controls and related equipment for Units 4 and 5, in connection with the refueling of North Omaha Station to natural gas, per Board Resolution No. 6006. The Certification states that replacement of the existing Unit 5 equipment requires intricate redesign to meet the required thermal and maintenance performance within physical constraints, and requires integration with other plant systems in order to maximize performance and sustain guarantees. Mr. Johnson further certifies that a wide range of potential design solutions exist with different balance of plant issues for each technology and variable cost benefits for variable unit characteristics, requiring careful discussions with potential contractors that cannot be conducted feasibly with sealed bidding. For these and other reasons set forth in the Certification, Mr. Johnson certifies that the use of sealed bidding for this scope of work would be impractical and not in the public interest.

Section 70-637 of the Nebraska Revised Statutes authorizes the District's Board of Directors, by a two-third vote, to approve an Engineer's Certification for technologically complex or unique projects, and to authorize the District to enter into a contract to complete the project. The District is required to advertise its intention to enter into any such contract in three (3) newspapers of general circulation within the District's service area, with not less than seven (7) days between issues. The contract cannot be entered into sooner than twenty (20) days after the last advertisement.

It is our opinion that Mr. Johnson's Engineer's Certification complies with Section 70-637 and is in a form that is appropriate for approval by the District's Board of Directors. Therefore, the Board of Directors may approve the Engineer's Certification and authorize Management to negotiate and enter into the necessary contract(s) for the North Omaha Units 4 & 5 burners, burner controls, and supporting equipment. We recommend that any such contract(s) be subject to review and approval by the District's General Counsel.
Very truly yours,

[Signature]

Stephen M. Bruckner
FOR THE FIRM
WHEREAS, pursuant to Resolution No. 6006, adopted on June 19, 2014, the Board of Directors authorized management to refuel North Omaha Station Unit 4 and Unit 5 from coal to natural gas; and

WHEREAS, testing has confirmed that modifications are required to allow Units 4 and 5 to meet planned power output levels post fuel conversion and updates to the controls of both Units 4 and Unit 5 are needed to provide for the same capability as the units have on coal; and

WHEREAS, the District’s Engineer has certified that the work to design and supply natural gas equipment and other controls is technically complex and the District will achieve a better result with direct negotiations with qualified Engineer, Procure and Construct (EPC) contractors; and

WHEREAS, for these reasons, the District’s Engineer has certified that the use of sealed bidding would be impractical and not in the public interest; and

WHEREAS, pursuant to Nebraska Revised Statute Section 70-637 (as amended), and upon approval of the Engineer’s Certification by the Board of Directors, the District may negotiate and enter into a contract or contracts related to such project without sealed bidding.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Omaha Public Power District that:

1. The Engineer’s Certification requesting that the Board waive the sealed bid requirements, in accordance with Nebraska Revised Statutes Sections 70-637 through 70-639, is hereby approved.

2. Management is hereby authorized and directed to negotiate and enter into the necessary contract or contracts to provide Engineer, Procure and Construct (EPC) services for the design and supply of natural gas equipment and controls at the North Omaha Station for Units 4 and 5, subject to review and approval of the final contract(s) by the District’s General Counsel.

3. The notice required by Nebraska Revised Statutes Section 70-637 shall be published in the Omaha World Herald, or other similar newspaper of general circulation.
ITEM
Jones Street Station Units 1 and 2 Exhaust Stack Redesign, Material Supply and Installation Contract(s)

PURPOSE
Provide services and materials for the redesign and installation of the exhaust stacks for Jones Street Station Units 1 and 2.

FACTS
a. Jones Street Station Unit 2 (JS2) is currently not in service due to damage found in the exhaust stack. A redesigned replacement exhaust stack and associated installation is required before JS2 can be available for accredited capacity in the Southwest Power Pool marketplace.

b. Jones Street Station Unit 1 has similar damage to a lesser degree and will require the same repair scope to restore full reliable operation.

c. The District’s engineer has certified the complex nature of the work and that use of the sealed bid process is impractical and not in the public’s best interest.

d. The District will solicit competitive proposals from qualified contractors for the work. A negotiated contract process will provide potential contractors time to develop a detailed work plan with optimized design, project schedule, pricing, and risk mitigation.

ACTION
Approval of the Engineer's Certification and authorization for management to negotiate and enter into a contract(s) for the redesign and installation of the exhaust stacks at the Jones Street Station Units 1 and 2.

RECOMMENDED:
__________________________________________
Mary J. Fisher
Vice President – Energy Production and Nuclear Decommissioning

APPROVED FOR BOARD CONSIDERATION:
__________________________________________
L. Javier Fernandez
President and Chief Executive Officer

SAE
Attachments: Letter of Recommendation
Engineer’s Certificate
Legal Opinion
Resolution
MEMORANDUM

DATE: October 6, 2021

FROM: S. A. Eidem

TO: M. J. Fisher

SUBJECT: Jones Street Station Units 1 and 2 Exhaust Stack Redesign and Installation Contract

1.00 GENERAL

In September 2021, Jones Street Station Unit 2 (JS2) exhaust stack was inspected and determined to have excessive corrosion damage preventing unit operation. JS2 was subsequently removed from availability for accredited capacity within the Southwest Power Pool integrated market until repairs can be completed. Jones Street Station Unit 1 (JS1) was subsequently inspected as extent of condition and found to have similar damage to a lesser degree. Temporary repairs are planned to be performed on JS1 to restore unit operability until permanent repairs can be implemented. OPPD resource planning indicates that firm dispatchable resources, including JS1 and JS2, will continue to provide a crucial role in supporting OPPD’s system reliability going forward. The exhaust stacks for both JS1 and JS2 need to be replaced to ensure safe and reliable unit operation, resilient grid support, and continued accredited capacity credit for the OPPD generation portfolio. The cost of replacement of the exhaust stacks is significantly lower than the cost of replacing the generators.

OPPD does not have the original exhaust stack design documents and General Electric (GE), the original equipment manufacturer (OEM), has chosen to withhold the design documents due to proprietary considerations. The exhaust stacks are unique and will require detailed structural and mechanical re-design to ensure there are no adverse consequences with the operation of the units.

Compliance with the sealed bidding requirements of the Nebraska Statutes is impractical and not in the public’s best interest. Contract negotiations will allow potential qualified contractors more time to develop a detailed work plan, reduce risk by having a better understanding of the project scope, maintain the overall project schedule, and preserve a competitive bid environment by reducing the chance bidders submit non-compliant bids. Negotiations will provide OPPD a better understanding and comparison of the complex bid offerings, including any performance guarantees.

Therefore, it is in the District and public’s best interest to forgo the sealed bidding process. Competitive bids will be sought through a publically available Request for Proposal (RFP) and detailed negotiation process with the capable bidders. The contract will be awarded to the contractor with the lowest and best evaluated bid.
2.00 RECOMMENDATION

An Engineer's Certification of the above has been prepared. Approval of that Certification is recommended. We request the Board of Directors approve the Engineer's Certification and to authorize management to negotiate and enter into contract(s) to design, procure, and install new exhaust stacks for Jones Street Station Units 1 and 2.

Scott A. Eidem

S.A. Eidem, P.E.
Director, Engineering Services
Energy Production and Nuclear Decommissioning
ENGINEER’S CERTIFICATE

The Omaha Public Power District (OPPD) intends to enter into a contract(s) to redesign and install a new exhaust stack for Jones Street Station Units 1 and 2 due to corrosion damage. Unit 2 is currently not operable and not available to provide accredited capacity within the Southwest Power Pool integrated market. Unit 1 will have temporary repairs made to restore unit operability but a permanent fix will be needed within 18 to 24 months to maintain operability.

General Electric, the original equipment manufacturer (OEM), has been consulted and a redesign of the exhaust stacks is recommended. The redesign may be done by the OEM or a third party, however, the current exhaust stack design drawings are considered proprietary by the OEM and are not available to OPPD making the redesign technologically complex in nature.

Jones Street Station Unit 2 was tested on September 8, 2021 and, after inspection, severe corrosion damage was found in the exhaust stack. Unit 1 was then inspected and similar damage was found but not as extensive as seen in Unit 2. The units are currently offline until repairs can be made on Unit 1 and a redesigned exhaust stack can be installed on Unit 2. For these and other reasons as explained and certified in this Engineer’s Certificate, OPPD Management seeks approval from the Board of Directors to enter into the necessary contract(s) for this project without using the statutory sealed bid process.

The undersigned, a Nebraska professional engineer employed by OPPD, certifies that compliance with the sealed bidding requirements of Nebraska statutes, Neb. Rev. Stat. 70-637 to 70-641, is impractical and not in the public interest for the following reasons:

- The exhaust stack and associated internal components are technologically complex and must be properly designed to ensure there are no adverse consequences with the operation of the unit.

- A negotiated contract provides the proper mechanism to develop terms and conditions with acceptable risk mitigation and also maintains the viability of the major redesign suppliers throughout the contracting process.

Pursuant to Section 70-637 of the Nebraska Revised Statutes, as amended, the Board of Directors is requested to approve this Engineer’s Certificate and authorize Management to negotiate and enter into contract(s) to redesign, procure, fabricate and install new exhaust stacks at Jones Street Station Units 1 and 2 without compliance with Sections 70-637 to 74-641 of the Nebraska Revised Statutes.

I, Ronald E. Stohllmann, (registered Professional Engineer in the State of Nebraska), certify the above to be true and correct to the best of my knowledge and belief.

R.E. Stohllmann, P.E., PMP

10-6-2021

Date

[Stamp]
October 5, 2020

Omaha Public Power District
444 South 16th Street
Omaha, NE 68102

RE: Jones Street Station-Redesign and replacement of Units 1 & 2 exhaust stacks

Ladies and Gentlemen:

We have reviewed the Engineer's Certification of Ronald E. Stohlmann, a registered professional engineer in the State of Nebraska employed by the District. Mr. Stohlmann's Engineer's Certification states that it is necessary for the District to enter into one or more contracts to redesign, procure, fabricate, and install new exhaust stacks for Jones Street Units 1 and 2. Unit 2 is currently offline and Unit 1 is currently offline until a temporary repair can be made to the exhaust stack. A permanent repair for both units is needed to maintain their accredited capacity within the Southwest Power Pool. Mr. Stohlmann states in the Certification that the exhaust stack and associated internal components are technologically complex and must be properly designed to ensure there are no adverse consequences with the operation of the units. He further certifies that a negotiated contract provides the proper mechanism to develop terms and conditions with acceptable risk mitigation with the available contractors.

Section 70-637 of the Nebraska Revised Statutes authorizes the District's Board of Directors, by a two-thirds vote, to approve an Engineer's Certification for technologically complex or unique projects, and to authorize the District to enter into a contract to complete the project. The District is required to advertise its intention to enter into any such contract in three (3) newspapers of general circulation within the District's service area, with not less than seven (7) days between issues. The contract cannot be entered into sooner than twenty (20) days after the last advertisement.

It is our opinion that Mr. Stohlmann's Engineer's Certification complies with § 70-637 and is in a form that is appropriate for approval by the District's Board of Directors. Therefore, the Board of Directors may approve the Engineer's Certification and authorize Management to negotiate and enter into the necessary contract(s) to redesign, procure, fabricate, and install exhaust stacks for Jones Street Station Units 1 and 2. We recommend that any such contract be subject to review and approval by the District's general counsel.
Very truly yours,

Stephen M. Bruckner
FOR THE FIRM
RESOLUTION NO. 64xx

WHEREAS, Jones Street Station Units 1 and 2 (JS1 and JS2) require redesign and repair of the exhaust stacks on each unit; and

WHEREAS, the District’s Engineer has certified that the work to redesign, supply, and install new exhaust stacks for JS1 and JS2 is technically complex and the District will achieve a better result with direct negotiations with qualified contractors; and

WHEREAS, for these reasons, the District’s Engineer has certified that the use of sealed bidding would be impractical and not in the public interest; and

WHEREAS, pursuant to Nebraska Revised Statute Section 70-637 (as amended), and upon approval of the Engineer’s Certification by the Board of Directors, the District may negotiate and enter into a contract or contracts related to such project without sealed bidding.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Omaha Public Power District that:

1. The Engineer’s Certification requesting that the Board waive the sealed bid requirements, in accordance with Nebraska Revised Statutes Sections 70-637 through 70-639, is hereby approved.

2. Management is hereby authorized and directed to negotiate and enter into the necessary contract or contracts to provide redesign, procurement of materials, fabrication, and installation services for the replacement of the exhaust stacks on Jones Street Station Units 1 and 2, subject to review and approval of the final contract(s) by the District’s General Counsel.

3. The notice required by Nebraska Revised Statutes Section 70-637 shall be published in the Omaha World Herald, or other similar newspaper of general circulation.
Board Action

BOARD OF DIRECTORS

October 19, 2021

ITEM

Award Request for Proposal (RFP) No. 5911 “Steel Structures”

PURPOSE

Board of Directors authorization to award RFP No. 5911 to procure the fabrication and delivery of substation steel structures for a new substation to support load growth and reliability in the Sarpy County area.

FACTS

a. Development of this substation supports load growth and reliability in the Sarpy County area.

b. Substation steel structures support the electrical equipment within the substation.

c. Seven (7) proposals were received; two (2) are legally and six (6) technically responsive.

d. Substation steel structures have a desired delivery date of January 18, 2022.

e. The proposal from Klute, Inc. was evaluated as the lowest and best bid.

ACTION

Authorization by the Board to award RFP No. 5911 “Steel Structures” to Klute, Inc. in the amount of six hundred ninety-six thousand two hundred fifty-five dollars and 46 cents ($696,255.46).

RECOMMENDED:  

APPROVED FOR BOARD CONSIDERATION:

Troy R. Via  
Vice President – Energy Delivery  

L. Javier Fernandez  
President and Chief Executive Officer

Attachments:  

Analysis of Proposals  
Tabulation of Bids  
Legal Opinion  
Resolution
Date: October 6, 2021
From: D. D. Buelt
To: T. R. Via

RFP No. 5911
“Steel Structures”
Analysis of Proposals

1.00 GENERAL

RFP No. 5911 was advertised for bid on August 17, 2021.

This contract will procure the fabrication and delivery of substation steel structures for a new substation to support load growth and reliability in the Sarpy County area.

Delivery of the substation steel structures is scheduled for January 18, 2022.

No Letters of Clarification (LOC) or Addendums were issued.

Bids were requested and opened at 2:00 p.m., C.D.T., Tuesday, September 14, 2021.

Seven (7) total proposals were received. The proposals received are summarized in the table below:

<table>
<thead>
<tr>
<th>Bidder</th>
<th>Lump Sum Firm Price</th>
<th>Legally Responsive</th>
<th>Technically Responsive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maxima/Metalpol</td>
<td>$520,219.98</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Klute, Inc.</td>
<td>$696,255.46</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>DIS-TRAN Steel, LLC</td>
<td>$723,312.00</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Valmont Industries, Inc.</td>
<td>$742,862.00</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>MICA Steelworks, Inc.</td>
<td>$974,596.00</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Elite Welding</td>
<td>$1,134,549.00</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Central Western Fabricators, Inc.</td>
<td>$1,718,050.00</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>
2.00 COMPLIANCE WITH CONTRACT TERMS AND GENERAL REQUIREMENTS

In the opinion of the District’s legal counsel the proposal of Metalpol S.A. de C.V. ("Metalpol") is missing proof of AISC Certification. As a result, this bidder’s proposal is legally non-responsive and should not receive further consideration from the District.

The proposal of Klute, Inc. includes certain commercial and technical clarifications that should be evaluated by the District.

The proposal of DIS-TRAN Steel, LLC includes certain commercial and technical clarifications that should be evaluated by the District.

The proposal of Valmont Industries, Inc. ("Valmont") incorporates Standard Terms and Conditions of Sale of the bidder which would materially increase the legal risks to be accepted by the District. As a result, this bidder’s proposal is legally non-responsive and should not receive further consideration from the District.

The proposal of MICA Steelworks, Inc. ("MICA") states that its pricing is valid until October 21, 2021, instead of the required sixty (60) days after the bid opening date. As a result, this bidder’s proposal is legally and commercially non-responsive and should not receive further consideration from the District.

The proposal of Elite Welding & Industrial Services ("Elite") states that its pricing is valid for sixty (60) days “excluding the purchase price of raw material(s) (Steel Tubing), due to volatile steel market.” As a result, this bidder’s proposal is legally and commercially non-responsive and should not receive further consideration from the District.

The proposal of Central Western Fabricators ("Central") is missing a completed and signed Proposal Form. As a result, this bidder’s proposal is legally non-responsive and should not receive further consideration from the District.

Subject to the foregoing comments and the District’s technical and economic evaluation, two (2) of the seven (7) proposals received in response to RFP No. 5911 may be considered by the District’s Board of Directors for the award of this contract. The bond of the successful bidder also must be approved by the Board.
OPPD evaluated and accepted the commercial and technical clarifications of the Klute, Inc. and DIS-TRAN Steel, LLC proposals.

3.00 COMPLIANCE WITH TECHNICAL REQUIREMENTS

Six (6) proposals received are technically responsive and one (1) proposal is technically non-responsive as the bid excluded AISC Certification.

4.00 RECOMMENDATION

On the basis of compliance with the legal and technical requirements of the specifications, cost evaluations performed and guaranteed completion dates, it is recommended that RFP No. 5911, “Steel Structures” be awarded to Klute, Inc. in the amount of six hundred ninety-six thousand two hundred fifty-five dollars and 46 cents ($696,255.46).

____________________________
Dannie Buelt, PE
Director Engineering
Energy Delivery
**TABULATION OF BIDS**
Opened at 2:00 p.m., C.D.T., Tuesday, September 14, 2021, in Omaha, Nebraska

| Anticipated Award Date | October 21, 2021 |

**ENGINEER'S ESTIMATE**

| $1,090,228.00 |

---

| **REQUEST FOR PROPOSAL NO. 5911** |
| Steel Structures |

---

| **BIDDER'S NAME & ADDRESS** |

| Central Western Fabricators, Inc.  
400 W 2nd Street  
Atlantic, IA 50022 | DIS-TRAN Steel, LLC  
4725 Hwy 28 East  
Pineville, LA 71360 | Elite Welding  
279 Kefauver Road  
Millwood, KY 42762 |

---

| **BID ITEM** |
| 161kV Substation Steel Bus Structures |

---

| **SUPPLIER'S BID** |

| $1,718,050.00 | $723,312.00 | $1,134,549.00 |

---

| **1. Price Proposal:** |
| Combined Lump Sum of Extended Unit Prices for Items 1 to 15 in Attachment A. |

---

| **2. Delivery Guarantee(s):** |
| Guaranteed Delivery Date |

- Desired Delivery Date: January 18, 2022  
  - January 11, 2022  
  - 12 Weeks ARO and Final Information  
  - February 1, 2022
## TABULATION OF BIDS
Opened at 2:00 p.m., C.D.T., Tuesday, September 14, 2021, in Omaha, Nebraska

<table>
<thead>
<tr>
<th>BID ITEM</th>
<th>Klute Inc.</th>
<th>Maxima/Metapol</th>
<th>MICA Steelworks, Inc.</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>1313 Road G</td>
<td>Santiago Papasquiaro 158</td>
<td>P.O. Box 161999</td>
</tr>
<tr>
<td></td>
<td>York, NE 68467</td>
<td>Gomez Palacio Dgo. Mex, 35079</td>
<td>Fort Worth, TX 76161</td>
</tr>
</tbody>
</table>

### 1. Price Proposal:
161kV Substation Steel Bus Structures

Combined Lump Sum of Extended Unit Prices for Items 1 to 15 in Attachment A.

| SUPPLIER'S BID | $696,255.46 | $520,219.98 | $974,596.00 |

### 2. Delivery Guarantee:

<table>
<thead>
<tr>
<th>Guaranteed Delivery Date</th>
<th>Guaranteed Delivery Date</th>
<th>Guaranteed Delivery Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 18, 2022</td>
<td>December 17, 2021</td>
<td>20 - 22 Weeks ARO</td>
</tr>
</tbody>
</table>

Desired Delivery Date: January 18, 2022
## TABULATION OF BIDS
Opened at 2:00 p.m., C.D.T., Tuesday, September 14, 2021, in Omaha, Nebraska

<table>
<thead>
<tr>
<th>BID ITEM</th>
<th>Supplier's Bid</th>
<th>Supplier's Bid</th>
<th>Supplier's Bid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Price Proposal:</strong></td>
<td></td>
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</tr>
<tr>
<td>161kV Substation Steel Bus Structures</td>
<td>$742,862.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>2. Delivery Guarantee:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Desired Delivery Date: January 18, 2022</td>
<td>16 - 20 Weeks ARO and Approved Designs</td>
<td></td>
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</tr>
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**Steel Structures**

Anticipated Award Date: October 21, 2021

Engineer's Estimate: $1,090,228.00

Request for Proposal No. 5911

Director
Supply Chain Management

Anticipated Award Date: October 21, 2021

Engineer's Estimate: $1,090,228.00

Supervisor of Supply Chain Management

Compiled by and Certified Correct
October 1, 2021

Omaha Public Power District
444 South 16th Street
Omaha, NE 68102

RE: Request for Proposal No. 5911 — Steel Structures ("RFP No. 5911")

Ladies and Gentlemen:

We have reviewed the seven (7) proposals received in response to RFP No. 5911 and provide the following opinion.

The proposal of Valmont Industries, Inc. ("Valmont") incorporates Standard Terms and Conditions of Sale of the bidder which would materially increase the legal risks to be accepted by the District. As a result, this bidder's proposal is legally non-responsive and should not receive further consideration from the District.

The proposal of Central Western Fabricators ("Central") is missing a completed and signed Proposal Form. As a result, this bidder's proposal is legally non-responsive and should not receive further consideration from the District.

The proposal of Elite Welding & Industrial Services ("Elite") states that its pricing is valid for sixty (60) days "excluding the purchase price of raw material(s) (Steel Tubing), due to volatile steel market." As a result, this bidder's proposal is legally and commercially non-responsive and should not receive further consideration from the District.

The proposal of MICA Steelworks, Inc. ("MICA") states that its pricing is valid until October 21, 2021, instead of the required sixty (60) days after the bid opening date. As a result, this bidder's proposal is legally and commercially non-responsive and should not receive further consideration from the District.

The proposal of DIS-TRAN Steel, LLC includes certain commercial and technical clarifications that should be evaluated by the District.

The proposal of Klute Inc. includes certain commercial and technical clarifications that should be evaluated by the District.
The proposal of Metalpol S.A. de C.V. ("Metalpol") is missing proof of AISC Certification. As a result, this bidder's proposal is legally non-responsive and should not receive further consideration from the District.

Subject to the foregoing comments and the District's technical and economic evaluation, two (2) of the seven (7) proposals received in response to RFP No. 5911 may be considered by the District's Board of Directors for the award of this contract. The bond of the successful bidder also must be approved by the Board.

Very truly yours,

Troy F. Meyerson
FOR THE FIRM
WHEREAS, sealed bids were requested and advertised, as required by law, for the following:

REQUEST FOR PROPOSAL (RFP) NO. 5911
STEEL STRUCTURES

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.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Omaha Public Power District that the proposal of Klute, Inc. in the amount of $696,255.46 to furnish and deliver substation steel structures pursuant to Request for Proposal No. 5911 is hereby accepted, and the form of payment and performance bond of such bidder is approved.
161kV Substation Steel Structures
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:

- Additional reactor vessel internal segmentation equipment has been received and moved into containment. Completed staging equipment in the cavity that was required prior to filling the cavity with water. The removal of the reactor head and filling of the cavity will take place in the near future in preparation to begin segmentation.

- The foundation and slab for the containment waste structure are complete which allows construction of the temporary building and lifting system to commence. The structure and associated equipment will be primarily utilized to safely move out the materials removed from the vessel and the bulk of containment.

- Leaders from OPPD and Energy Solutions met with NRC Region IV leadership during a drop-in visit at their offices in Arlington, Texas. The trip was planned as part of the routine update on decommissioning performance. The topics included, for example, major activities completed, upcoming activities, and overall project performance similar to this month’s update to the Board.

RECOMMENDED:  

APPROVED FOR REPORTING TO BOARD:

Mary J. Fisher  
Vice President – Energy Production and Nuclear Decommissioning

L. Javier Fernandez  
President and CEO
Fort Calhoun Station
Decommissioning Update
October 2021

Tim Uehling – Senior Director FCS Decommissioning
Agenda

• Major accomplishments
• Future activities preview
• Performance Challenges & Opportunities
• Questions
Future Activities Timeline  (*slide from Oct. 2020 Board presentation)

By the end of 2021

• Containment ready for RVI* work
• RVI segmentation equipment on-site
• Rail & waste processing facility operational
• Several clean building demos complete
• License Termination Plan submitted to NRC
• Improve safety performance

*RVI = Reactor Vessel Internal
Future Activities Timeline  (*slide from Oct. 2020 Board presentation)

By the end of 2021

• Containment ready for RVI* work
• RVI segmentation equipment on site
• Rail & waste processing facility operational
• Several clean build-up demos complete
• License Termination Plan submitted to NRC
• Improve safety performance

*RVI = Reactor Vessel Internal

ACCOMPLISHED
Safety Performance

- Continued safe, secure storage of spent nuclear fuel
- No challenges to nuclear or radiological safety
- No challenges to environmental safety
- No OPPD employee DART injuries since 2018
Preparing for RVI Equipment Move-In
Preparing Containment for RVI
RVI Equipment On-Site
Rail & Waste Processing Facility Operational
Warehouse Demolition
Chemistry & Maintenance Building Demolition
Security Building Demolition
License Termination Plan Submitted

OCA: Owner Controlled Area

DA: Deconstruction Area

ISFSI: Independent Spent Fuel Storage Installation
Agenda

• Major accomplishments
• Future activities preview
• Performance Challenges & Opportunities
• Questions
Future Activities Timeline

• Turbine building demo complete: 3Q2022
• Auxiliary building demo complete: 4Q2022*
• RVI segmentation complete: 1Q2023
• Reactor vessel segmentation complete: 3Q2023
• Containment equipment removed: 4Q2024
• Containment demo complete: 3Q2025
• Substantially complete: 4Q2025
• Final Status Survey complete: 4Q2025
• License termination: ~4Q2026

*Note: date improved over original plan (opportunity to gain margin)
Segmentation

Reactor Head & Seismic Skirt

Reactor Vessel Internals

Reactor Vessel
RVI Segmentation
RVI Segmentation

Band Saw & Turntable

Disk Saw

Shear
RVI Segmentation
Illustration Only – Not the FCS specific system
RV Segmentation

3-axis system
Support facility
Oxy fuel system
Agenda

• Major accomplishments
• Future activities preview
• Performance Challenges & Opportunities
• Questions
Performance Challenge

Decommissioning is a complex, dynamic project made up of numerous interrelated & interdependent sub-projects

Ebbs and flows in schedule and cost performance against the original schedule are expected and continue to occur based on these challenges

Not every individual project comes in on-time and on-budget with the initial estimate
Complexity & Coordination Illustration
Continuous Improvement Opportunity

• Despite the complex challenges, overall project substantial completion is targeted by the end of 2025, with our financial estimate at completion on track with the planned budget

• Our opportunity is to further refine individual project scopes, schedules, costs, and critical interfaces between projects to maximize safe, efficient deconstruction while continuing to meet environmental and regulatory commitments
Other Questions...
BOARD OF DIRECTORS

October 19, 2021

ITEM

SD-7: Environmental Stewardship Monitoring Report

PURPOSE

To ensure full Board review, discussion and acceptance of SD-7: Environmental Stewardship 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 and Nuclear Oversight Committee is responsible for evaluating Board Policy SD-7: Environmental Stewardship.

d. The System Management and Nuclear Oversight Committee has reviewed the SD-7: Environmental Stewardship 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 and Nuclear Oversight Committee recommends Board approval of the 2021 SD-7: Environmental Stewardship Monitoring Report.

RECOMMENDED:

Mary J. Fisher
Vice President – Energy Production and Nuclear Decommissioning

APPROVED FOR BOARD CONSIDERATION:

L. Javier Fernandez
President and Chief Executive Officer

Attachments: Exhibit A – Monitoring Report Resolution
Monitoring Report
SD-7 Environmental Stewardship

OPPD Board of Directors – All Committees Meeting
October 19, 2021

Mary Fisher, Vice President – Energy Production & Nuclear Decommissioning
SD-7: Where We’ve Been

Resolution 6082, October 15, 2015
First issuance as part of Board Policies

Resolution 6289, November 15, 2018
Major revisions:
• Long term goal: 20% reduction in carbon intensity from 2010 through 2030.
• Strive towards long-term goal of 50% of retail energy sales supplied from renewable energy sources.

Resolution 6347, November 14, 2019
Major revisions. Revised to form and language of current SD7. Replaced goals of 6289 with net-zero carbon goal.

Resolution 6434, May 20, 2021
Formally recognizes the scientific consensus that climate change is occurring and that greenhouse gas emissions, including carbon dioxide, from human activity contribute to climate change impacts.
Managing interactions with the environment is essential to OPPD’s ability to serve customers, create value for stakeholders, and contribute to the well-being of the communities it serves and its employees.

The OPPD Board of Directors recognizes the scientific consensus that climate change is occurring and that greenhouse gas emissions, including carbon dioxide, from human activity contribute to climate change impacts.
Therefore, OPPD shall:

- Operate in an environmentally responsible manner and strive for continuous improvement of its environmental performance.

- Conduct all operations in a manner that strives for the goal of net zero carbon production by 2050.

- Conduct its business in a manner that meets all environmental regulatory standards and go beyond compliance where practical.
SD-7: Environmental Stewardship

Be transparent by measuring and reporting environmental performance on OPPD's website.

Engage customers and stakeholders to promote energy conservation and efficiency and minimize environmental impact.

Advocate and educate local, state, and federal governments to protect and promote OPPD's environmental impact.
Operate in an environmentally responsible manner and strive for continuous improvement of its environmental performance.
OPPD’s Vehicle Fleet

- Passenger car fleet is now 100% hybrid or fully electrified
  - 38 hybrid cars
  - 6 all electric cars
  - 4 extended range plug-in hybrids

- 282+ total vehicles that are all electric, hybrid, or flex fuel (~45% of fleet)

- Equipment
  - 45 all electric forklifts, yard carts, and man-lifts
  - 6 plug-in hybrid bucket trucks
2020 Investment Recovery

OPPD focuses on finding avenues for recycling:

- **Batteries** – 27,456 lbs.
- **Metal** – 3,587,134 lbs.
- **Oil** – 32,676 gallons
- **Utility Poles** – 800 poles (additional utility pole repurposing vendor - 2021)

- **Recycling materials** returned over $2M back to OPPD.
- ~86% of **fly ash** recycled from NOS and 26% from NCS.
- New **oil recycler**
FCS Focused Efforts

- Pre-demolition sales of over 150,000 lbs. of material: diesel generators, breakers, boiler, etc.
- Over 4,000 gallons of paint, oil and grease sold for reuse avoiding hazmat disposal costs
- Large portion of battery recycling was from the Fort Calhoun battery rooms
OPPD Renewable Generation Over Time

Renewables for 2020
as a percentage of Retail Sales

Wind 34.4%
Hydro 3.4%
Landfill gas 0.5%
Solar 0.1%
Total 38.4%

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<th>Year</th>
<th>Percent of Retail Energy Sales (%)</th>
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<td>2010</td>
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<td>2019</td>
<td>30.9</td>
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OPPD’s Renewable Portfolio

**HYDRO** - 81.3MW

**WIND FARMS** - 972MW
- Ainsworth (10MW)
- Broken Bow I (18MW)
- Broken Bow II (43.9MW)
- Petersburg (40.5MW)
- Elkhorn Ridge (25MW)
- Crofton Bluffs (13.6MW)
- Prairie Breeze (200.6MW)
- Flat Water (60MW)
- Grand Prairie (400MW)
- Sholes (160MW)

**UTILITY-SCALE SOLAR*** - 5MW
- Fort Calhoun Solar (5MW)

**LANDFILL GAS** - 6.3MW
- Elk City Station (6.3MW)

*Planned Addition for 2023: Platteview Solar (81MW)

Installed Capacity: 1064.2 MW nameplate
Power with Purpose

Solar Announcement:

Platteview Solar

• Size: 81 MWAC
• Location: South of Yutan in Saunders County, NE
• Planned operation date: Spring 2023
• Contract term: 20 years
BRIGHT Grant & Project Scoping
(Battery Research Innovation Guided by High Potential Technologies)

• Nebraska Environmental Trust (NET) Air Quality Category
  – OPPD application submitted September 2019
  – NET funds approved June 2020
  – Grant project funding: $600,000

• Project to facilitate OPPD technology and operational learning
  – Allows OPPD to learn about interconnection, permitting, engineering, construction, operations, and safety requirements

• Project specifics based on grant application
  – Size: ~1MW
  – Location: OPPD substation in Cass County
  – Technology: not specified
Electrical Vehicle Programs: NDEE Grant

• This Program was made possible by a grant from the Nebraska Department of the Environment and Energy (NDEE)
• Applied to NDEE for multiple sites
• Each site will receive a Level 2 and DC Fast Charger (DCFC)
• DCFC’s require dedicated electric service
• Five sites awarded – all are located on major highway crossings
  1. City of Omaha – 17th & Chicago
  2. Casey’s – North Bend
  3. Casey’s – Blair
  4. Casey’s – Syracuse
  5. Cabela’s - LaVista

Level 2 Charger ~4-6 hours
DC Fast Charger ~1 hour
Conduct all operations in a manner that strives for the goal of net zero carbon production by 2050.
Pathways to Decarbonization
Completed Objectives

• Completed multi-sector modeling to establish plausible economy-wide pathways to decarbonization and determine OPPD’s potential future electric demand forecast.
• Developed a reliability and resiliency analysis framework for utilization in Portfolio Optimization.
• Analyzed a universe of potential technologies to support decarbonization. Technologies were then aggregated and screened into a list of 18 candidate technologies to be modeled.
Completed Objectives

• Developed a standardized carbon accounting framework
• Base year 2018 and 2019 GHG inventories
Completed Objectives

- Developed and piloted repeatable product evaluation framework
- Completed Phase 1 Analysis of 228 concepts covering all aspects of decarbonization
- Completed detailed research and analysis on the 26 top scoring concepts from Phase 1
Completed Objectives – Study focused on:

• Understanding community decarbonization
• Identifying and cataloging community-scale decarbonization strategies (CAP catalog)
• Developing an evaluation framework based on GHG reduction potential, OPPD’s degree of influence, and co-benefits
• Prioritizing potential decarbonization strategies where OPPD is well positioned to lead change
PATHWAY: COMMUNITY

Completed Objectives

• Identified four areas of opportunity where OPPD is well positioned to lead change:
  1. Advocate for advanced energy codes and green building standards
  2. Accelerate transition to electric vehicles
  3. Support distributed generation
  4. Address the water-energy nexus
# Demand Side Management Portfolio Status

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<td><strong>Total Cumulative Energy Efficiency</strong></td>
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<td><strong>Total Annual Cumulative Demand Side Management</strong></td>
<td>157.142</td>
<td>161.67</td>
<td>169.875</td>
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</table>
LED Street Lighting

- LED street lighting replacements have created a projected annual energy savings of 23,000 MWH.
- LED street lighting has resulted in a 27.6% reduction in street light maintenance calls reducing the total truck rolls.
Smart Thermostat Program

- May 2021 Added additional manufactured devices (Ecobee, Emerson, Honeywell)
- 46% increase in participation since expansion. 2021 YTD = 7,959 devices.
- 4.2MW demand response growth with expansion
- 12.9MW total demand reduction YTD.
- 3566MWh total annual energy efficiency*
- 2623 tons total CO2 reduction annually**

*Per 2019 DSM Potential Study
**Per 2020 Fleet Carbon Intensity Factor
Electric Vehicle Rebate Program

OPPD EV Rebates Available by Year

- All available rebates in 2018 and 2019 and 2020 were claimed
- 2021 residential rebate promotions began in August with 50 rebates available—11 rebates in approval process
- New in 2021 different Fleet rebate options including car/light truck and medium/heavy truck rebates with promotion beginning in September
Electric Vehicles Making an Impact

Since the rebate program began in 2019, OPPD has helped customers save over 1.8M lb. of GHG emissions. That’s the equivalent of planting 13,636 trees and letting them grow for 10 years!

*Emissions estimates supplied by ChargePoint*
Meet & Exceed Environmental Regulatory Standards

Conduct business in a manner that meets all environmental regulatory standards and go beyond compliance where practical.
No Violations of Environmental Permits Resulting in Fines or Enforcement Actions

Standard Compliance
30+ environmental regulated permits held
- Consists of Air, Water, Waste, Natural Resources
- Conducted monthly, quarterly, semi-annual and annual internal inspections.
- Facilitated three virtual NPDES inspections by the NDEE (FCS, NCS, NOS).
- Facilitated multiple City of Omaha and NDEE air inspections (NOS, NCS, CCS, JSS, SCS).

Beyond Compliance
- Plant wide Applicability Limit (PAL) Permit
- Low Emitter Status
- Near zero opacity excursions
- Complying with stormwater requirements at SCS, CCS, JSS though not required.
- Prairie in Progress
- Avian Protection, working with NGPC to conduct bird surveys
Low Emitter Status is achieved after 12 consecutive quarterly tests at 50% below the Mercury and Air Toxics Standard for that constituent, except for Hg, which requires annual testing.

* Continuous monitoring is used to demonstrate compliance
Environmental Audit

- Advantages and improvements of moving the environmental audit function to corporate auditing:
  - Helped align the audit function with International Standards for the Professional Practice of Internal Auditing (Standard 1100–The internal audit activity must be independent, and internal auditors must be objective in performing their work)
  - Took advantage of existing corporate audit issue tracking and reporting structure (increased transparency and accountability)
    - Monthly reminders sent to issue owners on any open issues
    - Quarterly updates/reports to Senior Management Team
    - Annual presentation/report to the Board of Directors
  - OPPD facilities are doing well complying with environmental regulations (i.e., there have been no high-risk issues identified to-date)
  - Over 80% of identified issues have been corrected to-date
Transformer Oil PCB Sampling

- A database of transformer PCB levels is being developed to assist in prioritization of replacement planning efforts.
- Total number of transformers in service territory: 90,770
- Transformers with unknown PCB levels: 21,000
- Work began in early 2020. Inspection 48% complete as of July 29, 2021
- Transformers Inspected: 10,123
  - Transformers found 50-499 ppm = 1,217 (12%)
  - Transformers found >500 ppm = 13 (0.13%)
- Additional benefits
  - Other maintenance items have been identified and fixed early.
Osprey Tower Project

- New, 65-foot tower provides Osprey habitat.
- Provided as potential replacement for FCS Meteorological Tower, removed as part of decommissioning.
- FCS tower removed during migratory birds non-nesting season, OPPD provided new habitat by the end of March.
- Osprey returned shortly after nest construction in March.
- Partnering with Nebraska Game and Parks to provide camera and live video feed. Expect to be available by the end of the year.
Peregrine Falcons at North Omaha

Volta, Watt, Ohm, Ampère (2021)

Flash, Flicker, Storm (2020)
Prairie in Progress (PIP)

• After initial trial on 325 acres, OPPD recognized more intensive program was necessary to properly establish prairie
  – Three sites totaling 50 acres were targeted in 2020
  – New seed mix used, sites tilled and re-seeded - seed mix included 8 grass & sedge species and 38 forb/wildflower species
  – All sites being monitored in growing season for performance

• June Monitoring report from one of the improved sites - 12 species of insects observed, 27 plant species in bloom

• 2021 adding 6 acres on two new sites
Active Transparency

Be transparent by measuring and reporting environmental performance on OPPD’s website.
OPPD’s Environmental Programs & Reports
Environmental Input
Collected through OPPDCommunityConnect.Com

OPPD Board Feedback: SD-7
From time to time, OPPD’s Board of Directors call on customers for feedback on specific topics. This feedback included: SD-7
Read more

OPPD BRIGHT Project
OPPD’s first battery storage project and we are excited to share the details with you.
Read more

Pathways to Decarbonization
By partnering with customers and communities, OPPD is striving for net-zero carbon production by 2050.
Read more

Decarbonization: Energy Portfolio Online Workshops
Recordings of all past workshops and updates are available to view. In addition, a summary video of past
Read more

CCR Selection of Remedy for North Omaha Station
Register for the Public Meeting held Sept. 22. Public comment accepted Sept. 8 – Oct. 8.
Read more

CCR Selection of Remedy for Nebraska City Station 2
The public meeting was held August 25. You may watch the recording here.
Read more
Annual Emissions

CO₂ (Tons)

SO₂ (Tons)

Notes:
1. 2019 emissions drop due primarily to major unit outages at NCS units.
2. Emission data shown here through 2020. Emission data is updated annually and posted each spring (~February) at [https://www.oppd.com/environment/environmental-reports/fleet-emissions/](https://www.oppd.com/environment/environmental-reports/fleet-emissions/).
Annual Emissions

NOx (Tons)

Hg (Pounds)

Notes:
1. 2019 emissions drop due primarily to major unit outages at NCS units.
2. Emission data shown here through 2020. Emission data is updated annually and posted each spring (~February) at https://www.oppd.com/environment/environmental-reports/fleet-emissions/.
Engage customers and stakeholders to promote energy conservation and efficiency and minimize environmental impact.
New Webpages

- Annual updates to the information: new tips, updated tips, more cost-oriented tips
- ~64,000 site visits in 2020 (41% → interactive house)
- New Phantom Load video
- 3,440 views on EE videos

Presentations

- Six Presentations to 220 customers (four in-person, two virtual)
- Presented for: Lewis & Clark Junior High science students, FHAS Post-Purchase Workshop, Bellevue Elementary
Customer-Owned Generation Increases

- OPPD received 500th application
- 500% Year over year Increase in applications
- 350 vs 59 applications
- 203 solar systems now online
- (157 Residential / 46 Commercial)
- 3,265 kW AC solar capacity
- Targeted marketing to educate customers
Growth in Customer-Owned Generation (25 kW or Less)
Net Metering Changes (Schedule 483)

What Changed:
• Clarified size basis on 25 kW limit to be AC nameplate capacity.
• Increased size limit from 25 kW to 100 kW

Benefits:
• Increased options for customers
• Decreased load during periods of strong solar generation
• Increased levels of local renewable energy in support of environmental goals
Alternative Energy Technology Customer Education

Virtual and In-Person Presentations
• Careers in Energy
• Alternative Energy 101
• Battery Storage Overview
• Power with Purpose Solar
• Community Solar

Presentations to:
• Nebraska Wind & Solar Conference
• Methodist Hospital
• Institute of Electrical and Electronics Engineers (IEEE)
• Society of Engineers
• Optimist Club
• Nebraskans for Solar

Battery Basics
- Batteries store energy chemically and through electrochemical reactions produce electricity.
- The presence of an anode, cathode, and electrolyte provides the basis for storing energy and satisfying energy loads.
- There are a wide range of battery types, sizes, designs, operating temperatures, control mechanisms, and chemistries.
Educate, Protect & Promote

Advocate and educate local, state, and federal governments to protect and promote OPPD’s environmental impact.
Education Initiatives

• Provided letters and testimony to support operational environment for solar in various jurisdictions:
  – Papillion
  – Springfield
  – Gretna
  – Bellevue
  – Burt County
  – Cass County
  – Sarpy County
  – Saunders County
  – Washington County

• Promoted speaker's bureau education to policymakers on renewable energy topics including sustainability and environmental plans:
  – Electric Vehicles
  – Decarbonization Plan
  – Solar
  – OPPD’s Strategic Initiatives
  – Battery Storage
  – Renewable Energy Portfolio
  – Grant Opportunities
  – BRIGHT Project

• Attended AltEn (Mead, NE) meetings to assess downstream political impacts on Platteview Solar Project.

• Attended Ft. Calhoun town hall to discuss Community Solar installation and provide updates on repairs.

• Through Metro Smart Cities Initiative, support the City of Omaha Climate Action Plan development.
Education Initiatives

- **Solar zoning regulation presentations** to various elected officials and community leaders:
  - Sarpy County Commissioners
  - Sarpy County Wastewater Agency Representatives (Mayors of five Sarpy Cities)
  - City Administrators (Bellevue, La Vista, Papillion, Springfield, Gretna)
  - Gretna City Council members
  - Springfield Planning Commissioners
  - Springfield City Council members
  - Bellevue City Council
  - Bellevue PlanningCommission
  - Burt County Planning Commission
  - Burt County Board of Supervisors
  - Washington County Board of Supervisors
  - Dodge County Board of Supervisors

- Platteview Solar team presenting “Shining a Light on Solar” at Nebraska Planning Zoning Conference, September 2021
Recommendation

The System Management Committee has reviewed and accepted this Monitoring Report for SD-7 and recommends that the Board find OPPD to be sufficiently in compliance with Board Policy SD-7.
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 and Nuclear Oversight Committee (the “Committee”) is responsible for evaluating Board Policy SD-7: Environmental Stewardship on an annual basis. The Committee has reviewed the 2021 SD-7: Environmental Stewardship 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 accepts the 2021 SD-7: Environmental Stewardship 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.
Pre-Committee Agenda

PUBLIC INFORMATION PRE-COMMITTEE MEETING
WEBEX VIDEOCONFERENCE
Tuesday, October 12, 2021 4:00 – 5:15 P.M.

1. Legislative and Regulatory Update (20 min)
   a. Objective: Provide brief update on federal and state legislative and regulatory activities

2. SD-13: Stakeholder Outreach and Engagement Monitoring Report (30 min)
   a. Objective: Provide brief update on monitoring report

3. Green Power Program Update (10 min)
   a. Objective: Provide brief update on Green Power Program

4. Confirmation of Board Work Plan – Public Information Committee Items (10 min)
   a. Objective: Discuss Public Information Committee items on the Board work plan

5. Summary of Committee Direction (5 min)
   a. Objective: Executive leadership team liaison(s) to summarize direction provided by the committee
BOARD OF DIRECTORS

October 19, 2021

ITEM

Customer Trends Update [Note: Not presented due to time. Update posted on oppd.com.]

PURPOSE

To provide a quarterly update on customer trends and energy assistance

FACTS

1. The Board requested that management provide regular reports on the progress of customer programs and trends.
2. Customer accounts receivable balances have normalized in 2021.
3. Management will provide an update on aged debt and related trends as of September 30, 2021.

RECOMMENDED:  APPROVED FOR REPORTING TO BOARD:

Juli A. Comstock  L. Javier Fernandez
Vice President – Customer Service  President and Chief Executive Officer

JAC:rak
Customer Trends Quarterly Update

as of September 30, 2021

All Committee Meeting October 19, 2021
Continuing to monitor and adjust OPPD’s solutions as our customers’ needs are changing.

Summary of Q3 Customer First Solutions
- Maintain flexible bill payment options to help customers financially
- Automatically waive collection & reconnect fees on first field visit in 2021
- Empower customer service representatives to waive up to 3 late payment charges for a customer in a 12-month period
  - Additional fees may be waived upon approval and customer request (e.g. late payments, return check fees, collection & reconnect fees, etc.)
- Suspend assessing additional deposits due to field collection visits
- Small Mid Business customers will continue to receive personalized collection efforts prior to disconnection
- Continue personalized field visits and outreach to ensure impacted customers are aware of their options (via Connecting with Customers effort)

Energy Assistance
- OPPD received $735,569 for Cooling Supplemental benefits for 4,896 customers in September

Promotional/Marketing Campaign
- OPPD continues to partner with school districts to provide families financial and energy assistance options

Next Steps
- Monitor current pandemic trends for possible adjustment of Customer First Solutions to determine what customer solutions will carry into 2022
## Summary of Aged Debt

<table>
<thead>
<tr>
<th></th>
<th>Residential</th>
<th></th>
<th></th>
<th>Commercial &amp; Industrial</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>September 2021</td>
<td>September 2020</td>
<td>% Change</td>
<td>September 2021</td>
<td>September 2020</td>
</tr>
<tr>
<td>% of Accounts Current</td>
<td>89.7%</td>
<td>89.6%</td>
<td>0.1% ↑</td>
<td>92.9%</td>
<td>92.5%</td>
</tr>
<tr>
<td>% of Accounts in Arrears</td>
<td>10.3%</td>
<td>10.4%</td>
<td>-1.0% ↓</td>
<td>7.1%</td>
<td>7.5%</td>
</tr>
<tr>
<td>Total Aged Debt &gt; 30 days (in millions)</td>
<td>$6.5</td>
<td>$7.3</td>
<td>-11.6% ↓</td>
<td>$1.8</td>
<td>$2.6</td>
</tr>
<tr>
<td>Total Aged Debt 91+ Days (in millions)</td>
<td>$0.6</td>
<td>$1.1</td>
<td>-48.8% ↓</td>
<td>$0.2</td>
<td>$0.3</td>
</tr>
<tr>
<td>Total Service Agreement Count &gt; 30 Days (in thousands)</td>
<td>38.0</td>
<td>39.6</td>
<td>-4.0% ↓</td>
<td>2.0</td>
<td>2.2</td>
</tr>
<tr>
<td>Total Service Agreement Count &gt; 91+ Days (in thousands)</td>
<td>5.3</td>
<td>5.8</td>
<td>-8.3% ↓</td>
<td>0.3</td>
<td>0.5</td>
</tr>
<tr>
<td>LIHEAP Only Accounts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% of Accounts Current</td>
<td>83%</td>
<td>83%</td>
<td>0%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>% of Accounts in Arrears</td>
<td>17%</td>
<td>17%</td>
<td>0%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Aged Debt &gt; 30 days (in millions)</td>
<td>$0.5</td>
<td>$0.6</td>
<td>-16.9% ↓</td>
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<td></td>
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<tr>
<td>Total Aged Debt 91+ Days (in millions)</td>
<td>$0.05</td>
<td>$0.1</td>
<td>-62.1% ↓</td>
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<td></td>
</tr>
<tr>
<td>Total Service Agreement Count &gt; 30 Days (in thousands)</td>
<td>2.4</td>
<td>2.3</td>
<td>6.3% ↑</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Service Agreement Count &gt; 91+ Days (in thousands)</td>
<td>0.4</td>
<td>0.6</td>
<td>-23.8% ↓</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Residential Arrears Dollars by Age of Debt
Active Accounts

1. Announced suspension of disconnects for non-payment due to COVID-19
2. Announced suspension of Late Payment Charges
3. Announced reinstatement of Late Payment Charges and disconnects for non-payment beginning in July
4. Resumed assessment of Late Payment Charges and disconnects for non-payment
Residential Counts by Age of Debt
Active Accounts

*Jan. – March 2017 data not available
Commercial & Industrial Arrears Dollars by Age of Debt
Active Accounts

1. Announced suspension of disconnects for non-payment due to COVID-19
2. Announced suspension of Late Payment Charges
3. Announced reinstatement of Late Payment Charges and disconnects for non-payment beginning in July
4. Resumed assessment of Late Payment Charges and disconnects for non-payment
Commercial & Industrial Counts by Age of Debt
Active Accounts

*Jan. – March 2017 data not available
Note: Historically, a Disconnect Notice was issued to a customer at the time of billing if the past due amount was > $100 and the customer has not demonstrated a good payment history. During the latter portion of March thru June 2020 a past due reminder letter replaced the Disconnect Notice since disconnects for non-payment were suspended during this time. The values during this period represent accounts that received a letter in lieu of a Disconnect Notice. Effective 8/25/2020, the threshold of the notice was set to > $200 which will decrease the number of Disconnect Notices generated from that point forward.
In 2020 Disconnections for non-payment were suspended from early March to mid-July due to COVID-19.
Note: OPPD prioritizes field collection and disconnection activities to the highest and riskiest debt which is reflected with the higher dollar value for orders sent to the field for collections/disconnection for non-payment vs the average disconnect notice amount.
Timing of Reconnections after Disconnect for Non-Pay

*2021 Data is YTD
# Energy Assistance September 2021 YTD

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>September 2021 YTD</th>
<th>Average Benefit</th>
<th>Distinct Accounts</th>
<th># of Payments</th>
<th>2020 Year End Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy Assistance Program</td>
<td>$209,550</td>
<td>$313</td>
<td>669</td>
<td>669</td>
<td>$377,571</td>
</tr>
<tr>
<td>COVID Relief Programs</td>
<td>$1,635,315</td>
<td>$363</td>
<td>3,795</td>
<td>4,419</td>
<td>$1,641,914</td>
</tr>
<tr>
<td>LIHEAP</td>
<td>$3,680,798</td>
<td>$346</td>
<td>6,235</td>
<td>10,629</td>
<td>$5,846,198</td>
</tr>
<tr>
<td>Other Agencies Assistance</td>
<td>$2,090,422</td>
<td>$304</td>
<td>5,509</td>
<td>6,871</td>
<td>$1,489,902</td>
</tr>
<tr>
<td>Total</td>
<td>$7,616,085*</td>
<td>$337</td>
<td>13,307</td>
<td>22,588</td>
<td>$9,355,585</td>
</tr>
</tbody>
</table>

*YTD 2020, OPPD had received a total of $5,959,691 in Energy Assistance Payments

## Douglas County COVID-19 Utility Assistance Program
- **Completed Applications**#: 3,246
- **Approved Applications**^: 2,000
- **Average benefit**: $500
- **Total Dollars Granted**: $1,000,000

*Total applications completed for the program.  
#Electronic applications processed when program closed on 5/7/2021.  
^Customers approved for the Douglas County COVID-19 Utility Assistance Program.

## LIHEAP Distribution

- **Heating**, 11%
- **Cooling**, 66%
- **Crisis**, 4%
- **Deposit**, 0%
- **Supplement**, 19%

12
Reporting Item

BOARD OF DIRECTORS

October 19, 2021

ITEM

Legislative and Regulatory Update

PURPOSE

To provide an update on 2021 state and federal legislative matters and regulatory matters

FACTS


b. The Special Session of the Nebraska Legislature for redistricting began on September 13, 2021 and ended on September 30, 2021.

c. The 117th Congress began on January 3, 2021 and is expected to end January 3, 2023.

ACTION

Reporting item

RECOMMENDED:

Lisa A. Olson
Vice President – Public Affairs

APPROVED FOR REPORTING TO BOARD:

L. Javier Fernandez
President and Chief Executive Officer

Attachment: State and Federal Legislative Update
Agenda

• Nebraska Power Review Board Meeting from Oct 15, 2021 - Debrief
• Nebraska Legislature Update
  – Legislative Resolution 136
  – 2021 Special Session
• Federal Update
• Q&A
• Appendix with Local, State and Federal Government Affairs Update
Energy Regulation Update
Regional and Neb. Power Review Board Activity

Recent Activity

- Feb – Polar Vortex, SPP controlled outages
- Aug – Utility, SPP, PRB meeting with Ricketts
- Sep – PRB meetings with OPPD, NPPD, LES
- Oct –
  - PRB sent draft legislation
  - Coordination w Neb Power Association (NPA)
  - PRB meeting on 10/15/21
Nebraska Power Review Board (PRB) Background

**PRB Primary Regulation Purpose**
- Electric utility service territories
- Construction/acquisition of generation and transmission facilities

**Legislative History**
- 2016 LB 824 – Exempted privately developed renewable gen facilities from PRB approval
  - Notice to PRB required
Nebraska Power Review Board - Draft Legislation

- Applicable to gen in excess of 10 MWs
- Electric supplier must provide PRB written notice prior to final decision
- PRB may hold a hearing in its discretion
- PRB shall make its recommendation whether decommissioning is in the best interests of the
  - Electric supplier, or
  - Electric customers
Approval required before an electric supplier enters or attempts to enter into a PPA

Applicable to
- PPAs for rights to electric energy
- For a term greater than 1 yr
State Legislative Update
Legislative Resolution 136

• *Interim study to examine and evaluate the causes, costs, and impacts of rolling electrical power outages during the extreme weather events of February 2021*

• LR 136 hearing scheduled – Oct 29, 2021 @ 1:00 (notified on Oct 6)
  – Open to the Public, Invited Testimony Only
  – Board Chairs are invited to testify on behalf of utilities

• OPPD is coordinating with the Nebraska Power Association
2021 Special Session

- Convened on September 13th - Sine Die September 30th
- The Committee held hearings in the 3 congressional districts
- After much debate, the maps were redesigned from the original version
  Below are the links to the maps
  - Congress - LB1
  - Nebraska Legislature – LB3
Federal Legislative Update
Federal Update Summary

• Bipartisan infrastructure package, debt ceiling, and budget reconciliation packages is the focus
  – The bipartisan $1.2 trillion, infrastructure package (H.R. 3684) passed Senate 69-30 on August 10th. Still waiting for a floor vote in the House.
  – House approved a $480 billion debt ceiling increase to avoid a breach of the nation’s borrowing limit until at least Dec. 3, when government funding is also set to expire.
  – House Committees markup for $3.5 trillion budget reconciliation completed. Senate still negotiating on top-line number and policies to be included.
  – OPPD engaged with American Public Power Association and Large Public Power Council; NE Congressional Delegation; Committee staff; and other Members of Congress on the Committees of Jurisdiction.
  – Closely monitoring the Clean Electricity Payment Program (CEPP), Investment Tax Credits/Production Tax Credits (with direct payment), restoration of advanced refunding, EV incentives and many others
  – New deadline for vote in the House is October 31st

• 8,436 bills introduced in the 117th Congress as of October 7th
Appendix
State Legislative Update
Congress – LB1

United States House of Representatives - LB1 - Final Reading (2021)
CONG21-39002

Created by - Legislative Research Office GIS
Source - U.S. Census Bureau
Date - September 29, 2021
CONG21-39002

©2021 CALIPER
Nebraska Legislature – LB3

Nebraska Legislature - LB3 - Final Reading (2021)
LEG21-39006
<table>
<thead>
<tr>
<th>LR &amp; Current Status</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>LR 23 Erdman</td>
<td>Interim study to examine the progress of natural resources districts in fulfilling their originally intended purpose. Includes a study of flood control</td>
</tr>
<tr>
<td></td>
<td>5/20/21 Referred to Natural Resources Committee</td>
</tr>
<tr>
<td>LR 34 Slama</td>
<td>Interim study to examine the structure and funding of the Nebraska Environmental Trust. OPPD has received $600,000 for battery storage, butterfly and EV charging station grants over the years</td>
</tr>
<tr>
<td></td>
<td>5/20/21 Referred to Natural Resources Committee</td>
</tr>
<tr>
<td>LR 83 M. Hansen</td>
<td>Interim study to examine the gubernatorial appointment process of members to boards, commissions and similar entities</td>
</tr>
<tr>
<td></td>
<td>5/20/21 Referred to Executive Board, 10/20/21 Hearing scheduled</td>
</tr>
<tr>
<td>LR 102 Wishart</td>
<td>Provide the Legislature take steps to combat the climate and ecological crisis</td>
</tr>
<tr>
<td></td>
<td>4/22/21 Referred to Natural Resources Committee</td>
</tr>
<tr>
<td>LR 106 Kolterman</td>
<td>Interim Study to monitor underfunded defined benefit plans administered by political subdivisions as required by 13-2402.</td>
</tr>
<tr>
<td></td>
<td>5/20/21 Referred to Nebraska Retirement Systems Committee. 11/5/21 Hearing scheduled</td>
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</tbody>
</table>
## 2021 Legislative Resolutions - Interim Studies

<table>
<thead>
<tr>
<th>LR &amp; Current Status</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LR 136 Brewer</strong></td>
<td>Interim Study to examine and evaluate the causes, costs, and impacts of rolling electrical power outages during the extreme weather events of February 2021</td>
</tr>
<tr>
<td>5/20/21 Referred to Natural Resources Committee, 10/29/21 hearing scheduled</td>
<td></td>
</tr>
<tr>
<td><strong>LR 147 J. Cavanaugh</strong></td>
<td>Interim study to examine the transfer of state-owned property to local political subdivisions</td>
</tr>
<tr>
<td>5/20/21 Referred to Transportation and Telecommunications Committee</td>
<td></td>
</tr>
<tr>
<td><strong>LR 170 McKinney</strong></td>
<td>Interim study to examine the potential impact that innovation hubs could have in Nebraska</td>
</tr>
<tr>
<td>5/20/21 Referred to Business and Labor Committee. 8/11/21 hearing held</td>
<td></td>
</tr>
<tr>
<td><strong>LR 178 Wishart</strong></td>
<td>Interim study to solicit input from Nebraskans regarding funds from the federal American Rescue Plan act of 2021</td>
</tr>
<tr>
<td>5/20/21 Referred to Appropriations Committee, 10/5/21 hearing held</td>
<td></td>
</tr>
<tr>
<td><strong>LR 179 M. Cavanaugh</strong></td>
<td>Interim study to examine funding mechanisms in the American Rescue Plan Act of 2021</td>
</tr>
<tr>
<td>5/20/21 Referred to Appropriations Committee, 10/5/21 hearing held</td>
<td></td>
</tr>
</tbody>
</table>
## 2021 Legislative Resolutions - Interim Studies

<table>
<thead>
<tr>
<th>LR &amp; Current Status</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>LR 193 De Boer</td>
<td>Interim study to examine broadband mapping and broadband speed testing in Nebraska</td>
</tr>
<tr>
<td>5/20/21 Referred to Transportation and Telecommunications Committee</td>
<td></td>
</tr>
<tr>
<td>LR 199 Slama</td>
<td>Interim study to examine the creation of rural economic development program</td>
</tr>
<tr>
<td>5/20/21 Referred to Banking, Commerce and Insurance Committee</td>
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<tr>
<td>LR 202 HHS Committee</td>
<td>Interim study to examine federal legislation regarding COVID-19 pandemic assistance</td>
</tr>
<tr>
<td>5/20/21 Referred to HHS Committee</td>
<td></td>
</tr>
<tr>
<td>LR 211 Lowe</td>
<td>Interim study to examine issues related to adopting construction codes</td>
</tr>
<tr>
<td>5/20/21 Referred to Urban Affairs Committee, Hearing held 8/6/21</td>
<td></td>
</tr>
<tr>
<td>LR 234 Friesen</td>
<td>Interim study to examine issues related to the regulation and taxation of electric vehicles</td>
</tr>
<tr>
<td>5/20/21 Referred to Transportation and Telecommunication Committee</td>
<td></td>
</tr>
<tr>
<td>LR 246 NR Committee</td>
<td>Interim study to examine issues within the jurisdiction of the Natural Resources Committee</td>
</tr>
<tr>
<td>5/26/21 Referred to Natural Resources Committee</td>
<td></td>
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</tbody>
</table>
Local Legislative Update
Local Legislation/Events

• Bellevue City Council passed solar regulations on October 5. OPPD was asked to provide expert testimony and guidance on the creation of the regulations.

• Since July, OPPD SMEs presented pathways for Douglas County to achieve energy efficiency and sustainability through:
  – Incorporating EVs into Douglas County’s fleet;
  – Building optimization & energy efficiency;
  – Supporting distributed generation; and
  – Addressing the water-energy nexus
Local Legislation/Events

- Fourteen people applied to fill the vacancy in District 1 of the Douglas County Board from Mike Boyle’s passing. The Appointment Committee will hold two upcoming meetings on that selection on Oct. 13 & 22.
Federal Legislative Update
Overview of Senate Democrats’ Resolution

Senate Majority Leader Schumer (D-NY) released reconciliation instructions for Senate committees to draft the details of the spending bill. The resolution currently allocates the following funds to each committee:

- Health, Education, Labor, and Pensions: $726 billion
- Banking: $332 billion
- Energy: $198 billion
- Agriculture: $135 billion
- Judiciary: $107 billion
- Commerce: $83 billion
- Environment and Public Works: $67 billion
- Homeland Security: $37 billion
- Small Business: $25 billion
- Indian Affairs: $20.5 billion
- Veterans Affairs: $18 billion
- Finance: ~$1 billion

Within the resolution, committees submitted draft legislation by September 15th.

Concerns exist about the resolution’s inability to raise the debt ceiling, but Democrats aim to pay for the plan through corporate and individual tax reform and increased IRS enforcement of existing rates. Senators Warren (D-MA) and King (I-ME) are also prepared to introduce a 7% tax on corporate profits over $100 million, expecting to raise $700 billion from 1,300 companies.
Board Action

BOARD OF DIRECTORS

October 19, 2021

ITEM

SD-13: Stakeholder Outreach and Engagement Monitoring Report

PURPOSE

To ensure full Board review, discussion and acceptance of SD-13: Stakeholder Outreach and Engagement 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 Public Information Committee is responsible for evaluating Board Policy SD-13: Stakeholder Outreach and Engagement.

d. The Public Information Committee has reviewed the SD-13: Stakeholder Outreach and Engagement 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 Public Information Committee recommends Board approval of the 2021 SD-13: Stakeholder Outreach and Engagement Monitoring Report.

RECOMMENDED:

Lisa A. Olson
Vice President – Public Affairs

APPROVED FOR BOARD CONSIDERATION:

L. Javier Fernandez
President and Chief Executive Officer

LAO:mfh

Attachments:
Exhibit A – Monitoring Report
Resolution
Monitoring Report:
SD13: Stakeholder Outreach & Engagement
Public Information Committee

October 19, 2021
Lisa Olson, Vice President – Public Affairs
Another historic year and it accelerated our growth
SD-13: Stakeholder Outreach & Engagement

As a publicly owned utility, OPPD is committed to engaging its customers, the community and other stakeholders.* OPPD shall:

- **Use an integrated, clear and transparent engagement process that:**
  - Provides meaningful ways for customer-owners to participate and provide feedback.
  - Is representative of the interested and impacted customer-owner segments that OPPD serves.

- **Share context with customer-owners around key decisions.**

- **Continuously evaluate and improve its outreach and engagement processes.**
OPPD's outreach work has rapidly intensified in volume and complexity, and our approach has matured along the way.

**2016**
1. Integrated Resource Planning
2. Generation Options - Fort Calhoun

**2017**
1. Community Solar
2. Sarpy & La Vista Transmission Projects

**2018**
1. Community Solar
2. SD-7 Revisions

**2019**
1. VW Settlement
2. Power with Purpose
3. LED Streetlights
4. EV Outreach
5. DSM Potentiality
6. SD-7 Revisions
7. 5 Strategic Initiatives Launched

**2020**
1. Power with Purpose
2. Southwest Sarpy Transmission
3. State of the utility
4. Powering the Future 2050
5. Pathways to Decarbonization
6. BNSF Arbor Line
7. Green Power
2021 outreach included many large-scale initiatives

Initiatives, projects & continued areas of focus since our last report

- Power with Purpose
- Southwest Sarpy Transmission Project
- Powering the Future to 2050
- Pathways to Decarbonization – Energy Portfolio, Community and Customer Pathways
- Customer Engagement for the Future
- BRIGHT Battery Storage Project
- Integrated Resource Plan
- CEO Transition
- Green Power
- Emergency Response – Polar Vortex, Windstorm
The Art and Science of Stakeholder Outreach
SD-13 requires we use both intuition and measurement

**Art** is intuitive, imprecise and subjective
- Trusted relationships, creative approaches
- SD13 provides stakeholders a voice in the process
- No two stakeholders are alike, and outreach is not one-size-fits-all
- OPPD flexes to meet stakeholders where they are
- OPPD has built trusted relationships and cultivated a culture of stakeholder collaboration

**Science** is researched, measured and objective
- Measurement, continual improvement, new tools
- Proven approaches – like IAP2 – help us align with industry standards
- Benchmarking and research are used to identify gaps and best practices
- Measuring results helps us make real-time adjustments to broaden our reach
As a result, we measure success in many ways.

- Success is supporting OPPD’s Strategic Directives, Strategic Initiatives and other business objectives to deliver an outcome where stakeholder engagement is critical.

- Success may look different from one individual or group to the next, and even from one project to the next.

- Success doesn’t always mean agreement or consent:
  - Were stakeholders engaged in meaningful ways?
  - Were they informed using multiple methods?
  - Even if stakeholder didn’t agree with the decision, were they satisfied with the process?
  - Do they understand how and why decisions were made?
  - Did we listen and make accommodations where we could throughout the process?
Integrated, Clear, Transparent Engagement
A quick review of our approach: the International Association of Public Participation (IAP2) Spectrum

• Consistent and transparent
• Important to recognize these are levels, not steps
• Alignment with other public participation practitioners
• OPPD part of local group that spearheaded Nebraska IAP2 Chapter

<table>
<thead>
<tr>
<th>PUBLIC PARTICIPATION GOAL</th>
<th>PROMISE TO THE PUBLIC</th>
<th>INFORM</th>
<th>CONSULT</th>
<th>INVOLVE</th>
<th>COLLABORATE</th>
<th>EMPOWER</th>
</tr>
</thead>
<tbody>
<tr>
<td>To provide the public with balanced and objective information to assist them in understanding the problem, alternatives, opportunities and/or solutions.</td>
<td>We will keep you informed.</td>
<td>To obtain public feedback on analysis, alternatives and/or decisions.</td>
<td>To work directly with the public throughout the process to ensure that public concerns and aspirations are consistently understood and considered.</td>
<td>To partner with the public in each aspect of the decision including the development of alternatives and the identification of the preferred solution.</td>
<td>To place final decision making in the hands of the public.</td>
<td></td>
</tr>
</tbody>
</table>

We will keep you informed, listen to and acknowledge concerns and aspirations, and provide feedback on how public input influenced the decision. We will work with you to ensure that your concerns and aspirations are directly reflected in the alternatives developed and provide feedback on how public input influenced the decision. We will look to you for advice and innovation in formulating solutions and incorporate your advice and recommendations into the decisions to the maximum extent possible. We will implement what you decide.
IAP2 helps us define objectives for large projects, but outreach is also an ongoing relationship – connecting with the communities we serve

**Objective:**
- To inform and consult from 1:1 meetings to large gatherings
- Build relationships, build trust and make connections
- Manage and foster relationships through calls, meetings and handshakes
- Communicate and gather feedback

**Outcome:**
- Partnerships with community leaders and elected officials
- Helps define customized, customer outreach efforts
- Fosters connection and advocacy in the communities we serve
Growing meaningful ways for customer-owners to participate and provide feedback.

Objective: Be the first and best source of information
OPPDCommunityConnect.com launched in July 2020 and continues to grow.

**Objective:**
To lead the way and be the first and best source of information; increase opportunities for engagement and improve reporting

**Statistics:**

**Projects**
- Power with Purpose, Pathways to Decarbonization, transmission projects, feedback on SDs and CEO transition, Powering the Future to 2050, BRIGHT project, etc.

**Visitors**
- 47,000 between July 2020 thru August 2021
- 468 have registered to engage on the site
Stakeholder Facing Outreach & Communications

Provide opportunities for stakeholders to engage "where they are"

- 1:1 Relationships
- Meetings
- Workshops
- Speakers Bureau
- Open Houses & Workshops
- Direct Mail
- Email
- Press Releases
- OPPDCommunityConnect.com
- OPPD.com
- OPPD the Wire
- Social Media Engagement including boosted posts
  - Facebook
  - Twitter
  - LinkedIn
  - NextDoor – brand new!
- Employee Communications
- Easy to share information
Our digital presence is maturing, which supports outreach efforts.

### Websites
Jan. 1 through Sept. 25 (compared to same period in 2020)

- **Users**: 114,453 (up 157%)
- **Page views**: 186,077 (up 47%)
- **Unique page views**: 170,128 (up 119%)
- **New visitors**: 76% (up 13%)

### Social Media

### Sentiment

### Storm & Outage Center
Jan. 1 through Sept. 25 (compared to same period in 2020)

- **Users**: 402,727 (up 225%)
- **Page views**: 2,383,270 (up 299%)
- **Unique page views**: 1,155,132 (up 339%)
- **New visitors**: 73.6% (down 5%)

*Data note:* The extreme weather events of 2021 (Feb. and July) greatly impacted these numbers.
The Wire continues to grow its reach and viewership...

- **Sessions**: 135.57% increase, 150,484 vs 63,881
- **Users**: 157.31% increase, 115,890 vs 45,039
- **Pageviews**: 47.66% increase, 188,479 vs 127,646
...As does our Storm & Outage Center
We're the first and best source of information on Google for key educational topics.

The Wire consistently ranks in Google Top 5 search results for topics like:

- "Shield wire transmission line" and "overhead shield wire"
- "How do smart power strips work"
- "Ice on power lines" and other ice and power lines-related queries
- "How to use a hot stick"
- "Power lines buzzing"/"why do power lines buzz"
- "Difference between power lines"
For social media, we measure not just sentiment, but overall engagement across multiple channels, and we're improving.

Applause rate represents the ratio of positive reactions to followers.

Amplification rate represents the ratio of shares and retweets to followers.

Conversation rate represents the ratio of comments and mentions to followers.
Customers are highly engaged in our industry leading Power Panel and are offering invaluable insights

Since 2014, we've maintained a nearly 5,000 customer membership on our Power Panel. We continually recruit and aim for representation across geography and a number of demographics.

Our studies grow in sophistication. In 2020 and 2021 we've used the panel for:

- Block Rates Live Chat Sessions
- Stakeholder Outreach Preference Study
- OPPD Bill and Website Evaluations
- OPPD State of the Utility Comm Study
- Power With Purpose – Land Resource Perceptions Study
- Decarbonization Customer Pathways Work
- CEO finalist virtual meet-and-greet communication and transition survey
- OPPD Reliability Improvements Website Evaluation
- Various Product Development & Marketing studies
Share Context with Customer-Owners for Key Decisions.
Stakeholder Outreach – Long term examples of multi-year initiatives with many projects within each

2+ Years of Engagement

Power with Purpose

- Two natural gas sites
- Gas pipeline outreach
- Multiple solar sites
- Routing and siting public involvement for all transmission and distribution efforts

Pathways to Decarbonization

- Energy portfolio pathway
- Customer pathway
- Community pathway
Stakeholder Outreach – Less than 1 year examples

Other Extended Engagement

• **Board of Directors Support**
  – CEO transition
  – SD7 feedback

• **Strategic Initiatives**
  – Powering the Future 2050
  – Customer Engagement for the Future

• **Other**
  – Coal Combustion Residual (CCR)
    Selection of Remedy public meetings
  – Product support (EV outreach)
Real Time Update – Sarpy County Transmission Project

First in-person and virtual public hearing on 10/5/2021

Project Timeline & Engagement

**What We’ve Done**
- November 2020 – February 2021: Phase 1: Identify Study Area and Environmental Constraints
- January 26, 2021: Online Public Meeting
- February 2021 – March 2021: Phase 2: Route Segment Analysis
- March 30, 2021: Online Public Meeting
- April 2021 – May 2021: Phase 3: Route Alternative Analysis
- May 2021: Final Route Announcement

**Where We’re Going**
- October 6, 2021: Public Hearing
- October 2021 – October 2022: Procurement
- November 2021 – March 2022: Easements
- May 2022: Construction
- May 2022: Project Completion

*All dates are subject to change and may differ.*

Public Hearing

Recording of the Oct. 5 public hearing and presentation now available.

Agenda
- Safety
- Purpose of Hearing
  - Project Overview
  - Property Owner Rights
  - Construction
  - Comments, Q&A
Platteview Solar - Engagement

Objective: Support the delivery and approval of the Platteview Solar Project
Outcome: Project has been approved

Stakeholder Engagement

• Partnership with Community Energy
  – Developed FAQs and Project Website
  – Co-hosted in-person open house
  – Created project impact analysis
• Dozens of meetings and 1:1s
• Advocated for the project at numerous public meetings
• Commitment to continued engagement with Saunders County Officials and residents
Pathways to Decarbonization
Deep Dive Case Study Example
Pathways to Decarbonization – Discovery Sessions

*December 2020 – January 2021*

**Objective:**
- Listen to stakeholders about how they want to be involved

**Outcome:**
- Helped OPPD understand what success looks like to them
- Used input to shape the outreach plan, resulting in greater satisfaction with the process
- Created advocates to help carry the message to a broader audience

**Outreach Level (IAP2):**
- Consult
OPPD Engaged representatives from environmental advocacy organizations to ask open-ended questions:

- What interests you about this strategic initiative?
- What does success look like to you?
- Where do you see opportunities to provide feedback?
- How would you like to be engaged?
- Would you be willing to share information with others in your organization?

This important information informed our outreach plan.
Discovery Session Takeaways

• Stakeholders sometimes feel unaware – Need upfront communication, time to digest information and opportunities to provide input before final decisions are made.

• Stakeholders recognize the need for layered approach – understanding that all stakeholders are not engaged at same level, including their own membership.

• OPPD can help stakeholders translate technical information and provide shareable information (articles, social media content, infographic).

• Provide transparency about how feedback was used or not used, clarify assumptions made behind decisions, and provide timelines relative to decision points (close loops).

• Be clear on what we’re seeking from stakeholders – type of feedback that is helpful.

• Use new, non-traditional communication tools (text messaging, board member social media communications, NextDoor app).

• OPPD doing better than most utilities on engagement and accessibility of information.

• Stakeholders appreciated the opportunity to be engaged early in the process.
Shareable Content

We realize not everyone can attend a two-hour technical workshop, but they want the information.

Discovery Session Takeaway:

• Key stakeholders recognized need for layered approach, as customers are not engaged at the same level.
• Stakeholders want help translating technical information to their constituencies.

Outcome:

• Executive Summaries: Following every Energy Portfolio workshop, Executive Summaries were posted on OPPDCommunityConnect and emailed to key stakeholders for distribution within stakeholder organizations.

• Video: Created 22-minute video to highlight 8 hours of workshops (highlight reel)
Stakeholder Engagement and Trust Leads to Advocacy
Stakeholders requested sharable content, we responded to be the first and best source

Excerpt from Citizen’s Climate Lobby Email:

OPPD is working hard on decarbonization.

Their “community connects” website offers a way we can give them our suggestions about what will work in Omaha.

They need to hear from us and you don't have to be an energy expert. Go here: OPPDCommunityConnect.com
Transparency

Discovery Session Takeaway:
Stakeholders want more transparency around how feedback was used or not used, clarity on assumptions made behind the decisions, and timelines relative to decision points (close loops)

Outcome:
- **Interim Update:**
  Between workshops 4 and 5, an interim update session was added!
**Energy Portfolio Workshops**

*April – December 2021*

**Objective:**
- Provide a deeper dive on the decarbonization planning process and how it will support OPPD's Integrated Resource Plan (IRP)
- Seek feedback along the way and explain how feedback was or wasn’t used
  - Q&A or raise hand feature in WebEx
  - Poll Everywhere
  - OPPDCommunityConnect

**Outcome:**
Higher satisfaction with process

**Outreach Levels (IAP2):**
- Varied from Inform to Consult
Decarbonization – Energy Portfolio Workshops
(and speaking engagements)

- April 7  Workshop 1: Pathways Planning 101
- April 28 Workshop 2: Multi-Sectoral Modeling
- May 12  Workshop 3: Developing Key Assumptions & Scenarios
- May 26  Workshop 4: Developing Modeling Approach
- Aug. 4  Interim Modeling Update

Q4 2021  2 more workshops coming...
- Oct. 27 Initial Final Results and
- Dec. 9  Final Results

Speakers Bureau Engagement
- MAPA – Natural Resources Committee
- Green Bellevue
- Sierra Club
Decarbonization Energy Portfolio Workshop Feedback

87% satisfaction
Workshop #1: Pathway Planning 101

75% satisfaction
Workshop #2: Multi-Sectoral Modeling

100% satisfaction
Workshop #3: Developing Key Assumptions & Scenarios

88% satisfaction
Workshop #4: Developing Modeling Approach
Workshop Attendees

Approximately 100 people have attended one or more workshop

Many attended multiple workshops within the series

Examples of types of attendees

- Customers
- Advocacy Organizations
- Educators
- Utilities
- Students
- Consulting & Engineering Firms
- Suppliers
- Elected Officials
- Individuals interested outside of our service area

Recorded workshop material have more than 400 views
Thank you for this (update emails) and all the information and the workshops and, well, all of it.”

“I probably don't say it enough but you guys are doing a great job in making the process truly public and valuing the input of your customer-owners and other stakeholders.”

**Implemented tools for real time feedback**

Which of the following is considered an Enabler, meaning the strategy facilitates change but may not result in measurable emission reductions in itself?

<table>
<thead>
<tr>
<th>Response options</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Promote electrification of building systems</td>
<td>1</td>
<td>6%</td>
</tr>
<tr>
<td>Recognition and celebration of climate action leadership</td>
<td>15</td>
<td>88%</td>
</tr>
<tr>
<td>Adopt electric vehicle commercial fleets</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Increase utility-scale solar energy generation</td>
<td>1</td>
<td>6%</td>
</tr>
</tbody>
</table>

Engagement: 53%

Responses: 17
Continuously Evaluate and Improve its Outreach and Engagement Processes.
We Listen, We Learn, We Look to Improve

- Post-event surveys
- Poll everywhere
- Debriefs
- Training and development
- Networking and relationships
- Research and benchmarking
  - Customer engagement study
  - Utility engagement benchmarking study
Corporate Auditing conducted an audit
Determined if adequate controls and processes were in place for stakeholder outreach and engagement programs
Areas assessed included stakeholder outreach, community outreach and grant funding
A number of tools and processes put in place to ensure consistency and alignment across OPPD
- Stakeholder Outreach template for gathering pre-event details from project managers
- OPPDCommunityConnect reports
- Surveys, policies, guidelines in place
Customer Outreach Study/Preferences

• Collected customer opinions across the service territory
  – 800+ complete surveys via Telephone and online Power Panel
  – Oversampled six counties in phone survey to ensure customer representation

• Most respondents expressed they want to be informed vs. involved in decision making
  – Expressed trust in OPPD to be the expert decision-maker
  – Prefer to be informed via direct mail (bill inserts, newsletters)

• Approximately one-fifth desire to be included throughout the decision-making process
  – Energy cost and environmental impacts are standout topics
Stakeholder Engagement Benchmarking Study

Objective:
- In-depth interviews and evaluation of how other utilities and organizations employ stakeholder engagement
- Identify gaps and best practices
- Share results with participants

Participant Interviews:

Additional research including: Ameren, TVA, City of Omaha, Des Moines Water Works and Denver Water
We Look Continuously to Improve

Benchmarking Takeaways:

• OPPD, in most cases, is leading the way (utilizing IAP2 guidelines)

• Continue to tailor communications and delivery tools based on audience

• Social media must be concise and visual to cut through millions of messages that people are exposed to

• Embrace hybrid approach to public involvement – virtual and in-person

• Involve stakeholders and use as sounding board for establishing rules and expectations

• Consider dedicated team just for IRP and generation-related outreach
Stakeholder Feedback

More verbatim survey comments in Appendix

“I am incredibly impressed by OPPD's approach to tackling this problem. Being future looking, data driven, and open to all options is the path to success.”

“The workshop provided detailed information on OPPD's evaluation process for achieving decarbonization. I appreciate the transparency.”

“Great detailed information and exceptional experts.”

“This is a complicated process. I have been impressed with the effort OPPD is making to allow for input and provide for transparency.”

“There was a lot of information presented, so the pre-read materials were quite helpful.”

“Very clear, especially given the volume and scale of the presentation.”
Stakeholder Feedback

More verbatim survey comments in Appendix

“Complicated topic well presented. Outstanding job.”

“Being green is only easy if you are not the utility doing it! Again nice job!”

“Good information throughout. The polar vortex example was a good illustration of the challenge that we face.”

“Sending out the workshop pre-read materials allowed me to become familiar with ELCC ahead of time.”

“Having all the slides available on OPPD connect for the meeting was fantastic and greatly appreciated.”

“Well organized with good information.”

“The presentations are impressive with the level of detail while still maintaining clarity.”
Key takeaways

- Our internal audits, external benchmarking and overall performance illustrate that we are truly leading the way.

- In an historic and dynamic environment, we've accelerated our outreach maturity and performance.

- Our continuous improvement cycle is working; we're improving, and it shows in our data.

- We've solidified our aspiration to be the first and best source of information. We measure success in many ways, with a focus on stakeholders' satisfaction of our outreach process, no matter the project outcome.
Stay Engaged at OPPDCommunityConnect.com

OPPDCommunityConnect

We’re your energy partner. And that means we value your opinions. We want every member of our 13-county community to consider this a platform to connect. At OPPDCommunityConnect, you can learn more about what we’re doing and share input, insights and ideas with us. Visit us here to learn about our goals, concerns and efforts - and share your own.

Some of the tools on this website require you to create an account. It’s easy! Just click “Register” and create a username and password associated with your email.
Recommendation
The Public Information Committee has reviewed and accepted this Monitoring Report for SD-13 and recommends that the Board find OPPD to be sufficiently in compliance with Board Policy SD-13.
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 Public Information Committee (the “Committee”) is responsible for evaluating Board Policy SD-13: Stakeholder Outreach and Engagement on an annual basis. The Committee has reviewed the 2021 SD-13: Stakeholder Outreach and Engagement 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 2021 SD-13: Stakeholder Outreach and Engagement 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.
OPPD BOARD OF DIRECTORS
REGULAR BOARD MEETING
Thursday, October 21, 2021 at 5:00 P.M.

Attend in person at Omaha Douglas Civic Center, 1819 Farnam Street,
2nd Floor – Legislative Chamber, Omaha, NE 68183

Public may attend remotely by going to www.oppd.com/BoardAgenda to access the Webex meeting link and view instructions.

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

7. SD-12: Information Management and Security Monitoring Report – Resolution No. 64xx
8. North Omaha Station Unit 4 and 5 Burner Replacement – Engineer’s Certificate to Negotiate – Resolution No. 64xx
9. Jones Street Station Exhaust Stack Replacements – Engineer’s Certification – Resolution No. 64xx
10. RFP 5911 – Steel Structures – Resolution No. 64xx
11. SD-7: Environmental Stewardship Monitoring Report – Resolution No. 64xx
12. SD-13: Stakeholder Outreach and Engagement Monitoring Report – Resolution No. 64xx

Board Discussion Action Items

13. CFO Appointment and Compensation Approval – Resolution No. 64xx
14. [to be determined]
15. Resolution of Appreciation for M. J. Fisher, Vice President – Energy Production & Nuclear Decommissioning – Resolution No. 64xx
16. Resolution of Appreciation for M. L. Sedky, Vice President – Human Capital – Resolution No. 64xx

Other Items

17. President’s Report (30 mins)
18. Presidential Award for Jené Reese
19. Opportunity for comment on other items of District business
20. 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.
Board Work Plan
**Board Work Plan Process**

1. Board member requests Senior Corporate Governance Specialist to add topic to Parking Lot

2. At the next regular monthly All Committee meeting, the Board as a whole discusses with SMT Parking Lot items to move to Board Work Plan. The following steps occur once an item is moved to the Work Plan:
   a. Evaluate and determine resource requirements and availability of resources to complete research, etc. [Board Chair/Committee Chair/CEO]
   b. Confirm proposed steps and timing of when work will be reasonably completed [Board Chair/Committee Chair/CEO]
   c. Insert “Target Completion Date” on Board Work Plan [Senior Corporate Governance Specialist]
   d. Provide regular updates to Board and public on items [Committee Chair]
   e. If assignment of a particular topic to a standing committee is unclear, determine if an ad hoc committee should be created [Board Chair]

3. When appropriate, topic moves from Board Work Plan to SMT agenda for Board meeting Report (Discussion or Presentation), or Action

*Note the process outlined in Step 2 is iterative and could repeat for many months before going to Step 3 for Board presentation and/or action.*
## BOARD IDENTIFIED WORK PLAN PRIORITIES

(as of 10/15/21)

<table>
<thead>
<tr>
<th>TOPIC</th>
<th>ACKNOWLEDGED</th>
<th>CMTE</th>
<th>ELT</th>
<th>STATUS</th>
<th>STATUS DESCRIPTION</th>
<th>TARGET COMPLETION DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SD-1: Strategic Foundation Monitoring Report Discussion and Refinement</td>
<td>2/12/2021</td>
<td>GOV</td>
<td>Focht</td>
<td>Work In Progress</td>
<td>4/13/21 All Cmtes discussion: Yoder, Burke and Focht discussed SD-1 monitoring report 4/14/21; Per 5/13/21 Governance pre-cmte, SMT will share revised format of monitoring report with the Cmte; Per 7/2/21 pre-cmte, Yoder/Focht updated committee on discussion during 8/12/21 and 9/9/21 pre-cmte meetings; discussed during the 10/5/21 Board Workshop, including the intent to finalize approach and start using in 1Q 2022.</td>
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<tr>
<td>Governance discussion re: handling of concepts that span multiple SDs</td>
<td>2/12/2021</td>
<td>GOV</td>
<td>Focht</td>
<td>Work In Progress</td>
<td>4/13/21 All Cmtes discussion: Yoder to define potential scope for discussion with Governance Committee; Per 5/13/21 Governance pre-cmte, to be considered as a topic for the 2021 Governance Workshop; discussed briefly during the 10/5/21 Board Workshop; pending review of meeting synopsis will determine best action to move forward.</td>
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<tr>
<td>SD-7: Environmental Stewardship (Next monitoring report 10/19/21)</td>
<td>10/5/2021</td>
<td>SM</td>
<td>TBD</td>
<td>Not Started</td>
<td>Systems Committee has discussed the upcoming results of the energy modeling and comprehensive Strategic Initiative: Decarbonization work, and then discussed with the entire Board during the 10/5/21 Board Workshop. Discussion about an update to include interim metrics for carbon emissions reduction is expected after this work is completed and presented. Status: Staff work in process.</td>
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<tr>
<td>SD-11: Economic Development Policy Revision (Next monitoring report 11/16/21)</td>
<td>1/19/2021</td>
<td>PI</td>
<td>Olson</td>
<td>Work In Progress</td>
<td>Yoder shared notes with PI Cmte on 2/9/21; PI Cmte consensus on 3/9/21 that other Board work and policy revisions should be prioritized at this time; The PI Cmte intends to reconsider the potential prioritization of SD-11 and SD-13 in late 2nd/early 3rd quarter 2021; 5/11/21 PI Cmte members will review SD-11 documents and target June/July for pre-cmte discussion; 6/8/21 PI Cmte consensus to put SD-11 on agenda for discussion at Board Governance Workshop; Discussed at 10/5/21 Board Workshop; PI Committee to review</td>
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<tr>
<td>TOPIC</td>
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<tr>
<td>SD-13: Stakeholder Outreach &amp; Engagement (Next monitoring report 10/19/21)</td>
<td>1/19/2021</td>
<td>PI</td>
<td>Olson</td>
<td>Work In Progress</td>
<td>Yoder shared notes with PI Cmte on 2/9/21; PI Cmte consensus on 3/9/21 that other Board work and policy revisions should be prioritized at this time; The PI Cmte intends to reconsider the potential prioritization of SD-11 and SD-13 in late 2nd/early 3rd quarter 2021; 5/11/21 PI Cmte members will review SD-13 documents and target June/July for pre-cmte discussion; 6/8/21 PI Cmte consensus to put SD-13 on agenda for discussion at Board Governance Workshop; Discussed at 10/5/21 Board Workshop; PI Committee to review</td>
<td></td>
</tr>
<tr>
<td>SD-9: Resource Planning Policy Revision (Most recent monitoring report approved 8/17/21; next monitoring report tentatively August 2022)</td>
<td>8/26/2020</td>
<td>SM</td>
<td>Fisher / Fernandez</td>
<td>Work In Progress</td>
<td>System Committee (Mollhoff, Williams, Moody &amp; Yoder) discussion 12/3/20; Met 1/7/21; Met 1/25/21; per 3/31/21 meeting, Williams spoke with Bogner and Burke re scope, prioritization and timing; SMT discussed on 5/12. Board discussed during the October 5 workshop. Management will provide a draft to Systems Committee for review/comment before end of 2021.</td>
<td></td>
</tr>
<tr>
<td>SD-2: Rates Policy Revision (Most recent monitoring report approved 6/15/21; next monitoring report tentatively June 2022)</td>
<td>8/26/2020</td>
<td>FIN</td>
<td>Thurber</td>
<td>Work In Progress</td>
<td>Finance Cmte discussed 4/2/21; Management will provide a proposal to replace the 5-year no-general rate increase language in the current SD-2. The Committee Chair provided proposed language to address the concept of affordability in SD-2, which was discussed at the July 1, August 4, and Sept. 3 pre-cmte meetings. Discussed at 10/5/21 Board Workshop and 10/8/21 pre-cmte meeting; Committee discussion re: revising SD-2 in two phases: (i) update rate freeze language and (ii) incorporate other rate considerations; Committee discussion will continue at next pre-committee scheduled for 11/5/21.</td>
<td></td>
</tr>
<tr>
<td>SD-4: Reliability Policy Revision (Most recent monitoring report approved 4/13/21; next monitoring report tentatively April 2022)</td>
<td>8/26/2020</td>
<td>SM</td>
<td>Via</td>
<td>Not Started</td>
<td>System Committee to propose revisions related to resiliency. Awaiting external guidance from SPP et al. Board discussed during the 10/5/21 Board Workshop. Plan is for the Systems Committee to begin revision efforts after SD-9 is revised.</td>
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<tr>
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<tr>
<td>SD-7: Environmental Stewardship (Next monitoring report 10/19/21)</td>
<td>1/19/2021</td>
<td>SM</td>
<td>Fisher</td>
<td>Completed</td>
<td>Revise policy to include statement on climate change; System Cmte discussed proposed language 3/10/21; System Cmte reviewed and finalized changes 3/31/21 and recommended to Board during 4/13/21 meeting; Public comment period through Friday, May 14; Discussed during 5/18/21 All Cmtes meeting; Board approved 5/20/21</td>
<td>5/20/2021</td>
</tr>
<tr>
<td>BL-5: Unity of Control Policy Revision</td>
<td>8/26/2020</td>
<td>GOV</td>
<td>Focht</td>
<td>Completed</td>
<td>Proposed revisions reviewed by Gov Cmte 9/10/20; Gov Cmte determined more review required; Board approved 12/9/20</td>
<td>12/9/2020</td>
</tr>
<tr>
<td>BL-7: Delegation to the President &amp; CEO</td>
<td>8/26/2020</td>
<td>GOV</td>
<td>Focht</td>
<td>Completed</td>
<td>Revise policy with regard to communication from CEO; Board approved 9/17/20</td>
<td>9/17/2020</td>
</tr>
<tr>
<td>GP-4: Agenda Planning</td>
<td>8/26/2020</td>
<td>GOV</td>
<td>Focht</td>
<td>Completed</td>
<td>Revise policy to include development of a Board Work Plan; Board approved 9/17/20</td>
<td>9/17/2020</td>
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<tr>
<td>BL-9: Delegation to President &amp; CEO - Local, State and Federal Legislation and Regulation -- Legislative Resolution</td>
<td>2019</td>
<td>PI</td>
<td>Olson</td>
<td>Completed</td>
<td>Discussed in PI Cmte and with full Board in August and September 2020; referred back to PI Cmte for further review; 10/13/20 All Committee meeting determined to include topics of interest in OPPD’s annual legislative agenda and the PI Cmte and Board would receive timely updates on emerging issues and positions.</td>
<td>10/13/2020</td>
</tr>
<tr>
<td>TOPIC</td>
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<td>ACKNOWLEDGED</td>
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<tr>
<td>Ad Hoc Committee on Market Transformation Gov Workshop discussion</td>
<td></td>
<td>8/26/2020</td>
<td>4/13/21 All Cmtes discussion: Paused; SD-9 potential revisions may address part of this topic</td>
<td></td>
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Reporting Item

BOARD OF DIRECTORS

October 19, 2021

ITEM

Power with Purpose Report

PURPOSE

Provide updates on the Power with Purpose project for October 2021.

SOLAR FACTS

1. Evaluating for interconnection risk mitigation options and additional solar projects to meet Power with Purpose resolution.

FUEL SUPPLY FACTS

1. Natural gas supply infrastructure agreement has been executed with Northern Natural Gas (NNG) for the Turtle Creek Station. Natural gas supply infrastructure and gas supply agreements coordinated with a land lease are being finalized with Metropolitan Utilities District (MUD) for Standing Bear Lake Station.

NATURAL GAS FACTS

1. Zachry Industrial Inc. has been selected as the Engineer, Procure, and Construct (EPC) vendor for both the Turtle Creek and Standing Bear Lake Stations’ generation facilities and substation infrastructure.

2. Preliminary grading continues at both Turtle Creek Station and Standing Bear Lake Station through the remainder of 2021. Associated technical assessments of both project sites continue in parallel with the grading.

ENERGY DELIVERY FACTS

1. The Public Hearing for the Sarpy Southwest Transmission Project was held October 5, 2021. OPPD will continue communicating with landowners and answering questions, with easement negotiations beginning 30 days after the hearing.

RECOMMENDED:

[Signature]
Mary J. Fisher
Vice President – Energy Production and Nuclear Decommissioning

APPROVED FOR REPORTING TO BOARD:

[Signature]
L. Javier Fernandez
President and Chief Executive Officer

Information as of October 1, 2021
Power with Purpose Update
October Open Committee Meeting

October 19, 2021
Updates

• Natural Gas Generation Project
• Solar Strategy
• Sarpy Southwest Transmission Project
Natural Gas Generation Project & Fuel Supply Update

• On September 22, OPPD executed a contract with Zachry Group for the Engineer, Procure, and Construct (EPC) of our two new natural gas generation facilities and their associated substations.

• Preliminary grading is underway at both Turtle Creek Station (TCS) and Standing Bear Lake Station (SBLS) and continues through 2021.

• Metropolitan Utilities District’s board authorized approval of ground lease and main extension agreement on October 6; approval to occur with finalized gas supply agreements.

• Community engagement
  – Meet with City of Papillion for project update (TCS)
  – Attend annual Rambleridge Homeowners Association Meeting in November (SBL)

Project Schedule

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Milestone (Past/Future)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCS Earthwork Begins</td>
<td>August 2021 ✓</td>
</tr>
<tr>
<td>SBL Earthwork Begins</td>
<td>September 2021 ✓</td>
</tr>
<tr>
<td>EPC Contractor Award</td>
<td>September 22, 2021 ✓</td>
</tr>
<tr>
<td>SBL &amp; TCS Construction Starts</td>
<td>Quarter 1, 2022</td>
</tr>
<tr>
<td>SBL Commercial Operation</td>
<td>May 1, 2023</td>
</tr>
<tr>
<td>TCS Commercial Operation</td>
<td>August 18, 2023</td>
</tr>
</tbody>
</table>

Information as of October 7, 2021
Standing Bear Lake Station Preliminary Grading

As of October 6, 2021
Turtle Creek Station Preliminary Grading

As of October 6, 2021
Solar Strategy

- Where We’ve Been
- What We’ve Learned
- Where We’re Going
Where We’ve Been

• Issued first utility-scale solar sourcing in November 2019
  – Proposals received indicated a variety of projects across Nebraska in varying stages of development

• Executed Platteview Solar PPA in Spring 2021
  – This is the first utility-scale solar PPA for OPPD and the State of Nebraska!!

• Closed out first phase of sourcing in Summer 2021
What We’ve Learned

• Compiled numerous lessons learned across the project team, focusing on:
  – Business strategy
  – Sourcing, negotiations, and contracting
  – Generator Interconnection (GI) process complexity
  – Community and Stakeholder

• Key challenges to first phase of solar sourcing:
  – Solar industry and supply chain experienced significant challenges in 2020 – 2021
  – State, federal, and FERC policy constraints
  – Evolving solar regulations for local planning and zoning jurisdictions
  – Generator interconnection process has a significant backlog, adding significant risk to projects
National Challenges with Generation Interconnection to the Transmission System

• OPPD is an owner and operator of the Bulk Electric System, and has a regulatory obligation to comply with federal requirements

• OPPD is required to comply with federal interconnection processes for new generation
  – Processes ensure reliability and “Open Access” of the transmission grid

• Interconnection study backlogs have formed across the country, resulting from:
  – Increasing volume and magnitude of interconnection requests from developers of emerging technologies
  – Paradigm shift is a significant challenge for the current FERC policy landscape
Impacts of the GI Backlog

• FERC-regulated GI processes have multi-year backlogs of requests
  – Study results dictate transmission expansion costs for new generators

• Impact to PwP Solar
  – Proposals received in solar sourcing were impacted by the backlog with an unknown cost risk
  – Potential interconnection cost risk unclear until study process is completed (multi-year)

• OPPD is developing strategies to reduce these risks for solar projects
Where We’re Going
Where We’re Going

• Continue commitment to the November 2019 BOD resolution
  – Cease coal operations at North Omaha Station by end of 2023
  – Projects initiated to support fuel conversion of North Omaha Station by spring 2024

• Pursue a GI strategy that mitigates uncapped risks
  – OPPD is actively engaged with regulatory bodies (FERC, SPP) to understand best mitigation strategies to interconnect generation and serve load

• Incorporate evolving energy policy changes in remaining solar projects
  – Federal infrastructure proposal may benefit OPPD’s solar projects
PwP Solar 2.0 Strategy
Next Steps: Q4 2021

• Adapt strategy and timeline in alignment with any policy changes (as needed or required)
  – Incorporate any impacts from federal, FERC, SPP, or local policy changes

• Continue solar education and advocacy
  – Meet with Community Leaders
  – Continue support of local planning and zoning efforts

• Project development strategy
  – Research options that mitigate Generator Interconnection risks
  – Conduct financial, technical, and legal due diligence, including execution risk assessments
  – Layout sourcing strategy for projects
Sarpy Southwest Transmission Project Public Hearing
SSWTP - Public Hearing

Objective - Allow directly impacted landowners to learn about next steps and ask questions about the project and the easement acquisition process.

• Agenda
  – Project Overview
  – Property Owner Rights
  – Construction
  – Comments, Q&A

• Attendance
  – 27 Attendees*
    – 23 in-person, 4 virtual

• Q&A Themes
  – Negotiations, offers, appraisals
  – Alignment selection
  – Compensation methodology

*Independent participants not including OPPD & HDR team members

What We’ve Done
- November 2020 – February 2021
  Phase 1: Identify Study Area and Environmental Constraints
- January 26, 2021
  Phase 1: Online Public Meeting
- February 2021 – March 2021
  Phase 2: Route Segment Analysis
- March 30, 2021
  Phase 2: Online Public Meeting
- April 2021 – May 2021
  Phase 3: Route Alternative Analysis
- May 2021
  Final Route Announcement

Where We’re Going
- May 2021 – January 2022
  Engineering/Design/Right-of-Way Activities
- October 5, 2021
  Public Hearing
- October 2021 – October 2022
  Procurement
- November 2021 – March 2022
  Easement Acquisition
- May 2022 – June 2023
  Construction
- May 2023 – December 2023
  Property Restoration and Project Closeout

*All dates are subject to change and may differ from previous versions*
Strategic Initiative:
Pathways to Decarbonization

BOD Update
October 2021

NET-ZERO CARBON
PRODUCTION
BY 2050

Colton Kennedy, Jamie Wagner, Paul Fortney, Ryan Stigge
October 19, 2021
Agenda

- Energy Portfolio Project Update
- Customer Project Update
- Community Project Update
- Internal Operations Project Update
- Stakeholder Outreach Update
Leading the Way

Pathways to Decarbonization

Technology Platform

Electric System Evaluation & Modernization

Powering the Future 2050

Workforce Transformation

Customer Engagement for the Future

We Power the Future
Decarbonization: Energy Portfolio Project
Project Status

• Progress
  – Multi-sector modeling gives a clear view of future energy demand
  – A robust modeling framework will ensure a broad and deep evaluation of alternatives
    • Broad set of technologies
    • Robust resource adequacy analysis
    • Holistic integrated market analysis
  – Stakeholder voices have been heard and incorporated throughout
    • Questions have been answered
    • New scenarios have been added
Current Activities

• Portfolio Modeling
  – Developing optimized portfolios based on emissions targets, technology and cost assumptions, and resource adequacy constraints
  – OPPD and E3 teams are undergoing extensive model testing and results validation
  – The full set of draft results being prepared

Significant investments in renewables and storage needed to meet California’s 80% carbon reduction goal. The least-cost plan co-optimizes investments and operations to meet clean energy policy targets, selecting from a diverse set of potential resources including wind, solar, storage, DSM, and natural gas.
Upcoming Activities

- Share Initial Results in Workshop #5 (Oct 27th)
- Incorporate stakeholder feedback and additional scenarios or modifications
- Conduct detailed system modeling on initial portfolios
  - Operational flexibility modeling
  - Transmission power flow modeling
  - Detailed economic and risk modeling
  - Resiliency review
- Prepare Final Results for Workshop #6 (Dec 9th)
- Publish draft Integrated Resource Plan incorporating Decarbonization: Energy Portfolio modeling results (Jan TBD)

Energy Portfolio: Stakeholder Workshops

<table>
<thead>
<tr>
<th>Pathways Planning 101</th>
<th>Multi-Sector Modeling</th>
<th>Key Assumptions &amp; Scenarios</th>
<th>Modeling Approach</th>
<th>Final Results</th>
<th>Initial Results</th>
<th>Next</th>
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</thead>
<tbody>
<tr>
<td>April 7 4:00-6:00 p.m.</td>
<td>April 28 4:00-6:00 p.m.</td>
<td>May 12 4:00-6:00 p.m.</td>
<td>May 26 4:00-6:00 p.m.</td>
<td>Dec 9th</td>
<td>Oct 27th</td>
<td>Initial Results</td>
</tr>
</tbody>
</table>

Interim Modeling Update 8/4
Customer Project

Goals and Deliverables:

• Develop repeatable process focused on helping customers lower their personal carbon footprint through OPPD programs, products and education

• Key Deliverables:
  • Product strategy
  • Product roadmap
  • Acceleration plan

Completed Activities:

• Developed and piloted repeatable product evaluation framework

• Completed Phase I Analysis of 228 concepts covering all aspects of decarbonization

• Completed Phase II detailed research and analysis on the 26 top scoring concepts from Phase I

• Residential customer prioritization surveys (Power Panel, Stakeholder Workshop, OPPD Community Connect)
Product Concept Analysis & Scoring

Phase I

Scoring Criteria:
• Target Market
• Customer Value Prop
• Brand Reputation & Customer Experience
• Industry Successes
• Risk to Infrastructure
• Cost/Technology Limitations
• Decarb Benefit
• Other Benefits (DSM, revenue, etc.)
• Feasibility/Complexity Effort Score (tiebreaker)

Phase II

Scoring Criteria:
• Financial (ROI)
• Carbon Reduction Impact
• Customer Impact/Satisfaction
• Market Penetration
• Innovation Brand Reputation
• Operational Efficiency
• Oversight

Additional Analysis Includes:
• High level product design
• Target market analysis
• Annual ramp/penetration
• Value prop to OPPD and Customer
• Cost estimate to implement
• Annual run budget including FTE
• Detailed decarb savings analysis
• Estimated scale of other benefits (DSM, revenue, etc.)

Overall Assumptions:
• 3-5 year view for each concept
• Existing products not included in phase II evaluation
• Enabling capabilities such on-bill financing or AMI are part of the strategy but weren’t evaluated as products
## Phase I & II Research & Scoring Highlights

### Phase I (228 Concepts Scored)
- High-level research, focus on successful product designs and successes within the Industry
- Focus on ensuring a wide range of ideas covering all customer segments and product areas
- Sample of product concepts explored:
  - Net Zero Construction
  - Heat Pump Water Heaters
  - Commercial Refrigeration
  - White Roof Conversions
  - Variable Frequency Drive Rebates
  - Fuel Cells
  - Mass Transit EV Adoption
  - Customer Owned Solar
  - Composting
  - Home Energy Rating Report/High Bill Alerts
  - Solar Coins (BitCoin for EE)
  - Residential Wind
  - Neighborhood Solar
  - Battery Storage
  - Plastic, Metal and Glass Recycling
  - BioEnergy with Carbon Capture
  - Native American Support Programs
  - Heat Recovery (Heat Exhaust Generation)

### Phase II (26 Concepts Scored)
- Benchmarking of other utilities programs (scale/growth, budget, GHG savings)
- Final roadmap prioritization, based upon team scoring and OPPD Market Research
- Top 10 scoring product concepts (no particular order):
  - C&I Community Solar
  - Energy Star Appliance Rebates
  - Commercial Outdoor Lighting & Controls
  - Residential Shade Trees
  - Commercial Food Service Equipment
  - Residential Lighting & Controls
  - Electric Yard Equipment Program
  - Community Solar Expansion
  - Residential Weatherization
  - Commercial EV Fleet Adoption
Energy Portfolio Linkage

• Initial Energy Portfolio findings indicate there may be substantial opportunity for energy efficiency, load flexibility, and significant increases in renewable resources, particularly in wind and solar generation.

• Customer focused programs may be part of achieving these Energy Portfolio driven outcomes:
  – Energy Efficiency
    • Future potentiality studies will include the increasing benefits of energy efficiency to OPPD’s portfolio and consider long-run synergies with electrification and economy-wide decarbonization.
  – Behind-the-Meter Solar
    • Both a Technical Potentiality and Customer Adoption study will guide opportunities for satisfying OPPD’s overall renewable portfolio with customer generation.

• As specific opportunities are identified, both feasibility and cost/benefit analysis will need to be performed.
# Residential Study: Residential Concept Prioritization

When thinking about what OPPD should prioritize to potentially help you reduce your carbon footprint, which ONE of the items/actions below do you feel is most important and which ONE is least important? Click here for more details of each item/action.

Total responses: 413

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<tr>
<th>ATTRIBUTES</th>
<th>RANK</th>
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<td>OPPD Residential Solar Installation and Discount</td>
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<tr>
<td>HVAC (heating/cooling) System Tune-ups Rebate</td>
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<td>22</td>
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<td>Residential Home Weatherization Rebate</td>
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<td>Home Energy Efficiency Audit and Assessment</td>
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<td>Community Solar Program</td>
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<td>Energy Star Appliance Rebate</td>
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<td>.06</td>
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<td>.03</td>
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<td>Residential Large Appliance Recycling</td>
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<td>-.03</td>
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<td>Develop Electric Vehicle Charger Station Network throughout the OPPD Service Territory</td>
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<td>-.03</td>
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<td>Residential Shade Tree Rebate</td>
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<td>-.08</td>
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<tr>
<td>Mass Marketing Energy Efficiency Education (all marketing channels and media)</td>
<td>12</td>
<td>-.08</td>
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<td>Heat Pump Water Heater Rebate</td>
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<td>-.09</td>
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<td>Electric Yard Equipment Rebate</td>
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<td>Heat Pump Clothes Dryer Rebate</td>
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<td>Comparison of Your Monthly Energy Usage to Peers</td>
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<tr>
<td>Electric Vehicle Education Program</td>
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Customer Workstream Next Steps

- Finalize Market Research • October 2021
- Acceleration Plan • October 2021
- Strategy Narrative • November 2021
- Operational Plan • December 2021
- Target Completion • December 2021
Decarbonization: Community Project
Community Decarbonization Approach & Objectives

- Consider another vantage point, encompassing community-scale decarbonization strategies that reach beyond those traditionally considered by electric utilities.
- Prioritize areas of focus and identify potential partners to make meaningful impacts across service territory communities.
- Position OPPD to lead community initiatives in the transition towards a low-carbon future.
Selected Climate Action Plans

• Regionally relevant, targeting communities located primarily in the Midwest.

• Recent Climate Action Plans; varying level of detail for GHG mitigation measures.

• 4 of 6 communities declared a climate emergency in 2019.

• Connection to peer utilities, allowing benchmarking.
EXPLORE 66 SHARED DECARBONIZATION & ADAPTATION STRATEGIES

- ADAPTATION
- BUILDINGS
- ENERGY
- FOOD
- LAND USE
- LEADERSHIP
- TRANSPORTATION
- WASTE & RESOURCE MANAGEMENT
Exploring Opportunity Areas

Advocating for Advanced Energy Codes and Green Building Standards

Addressing the Energy-Water Nexus

Accelerate the EV Transition

Supporting Distributed Generation
Community Workstream Next Steps

Stakeholder Workshop:
- Joint exercise with Customer Workstream (Sept. 2nd)

Gap Analysis:
- Catalog areas of success and potential future opportunities for consideration

Recommendations:
- Develop transition plan to future-state
- Actionable targets

Target Completion:
- 1st Quarter 2022

Potential Pilot Projects Evaluations
Decarbonization: Internal Operations Project
Internal Operations

This project will create a base year greenhouse gas inventory for OPPD to form basis for monitoring progress towards net-zero carbon.

• GHG Protocol Corporate Accounting and Reporting Standard.
• Transition inventory and reporting to business to ensure repeatable and certifiable yearly.
• Initial scoping and characterization of projects to reduce OPPD’s largest non-generation emission sources.
• Partner with business to build/revise current business processes to reflect OPPD’s prioritization of reducing carbon impact.
Internal Operations Project

Source: Figure 1.1 of Scope 3 Standard.
Required: Scope 1 and Scope 2

Scope 1 Emission Sources:
- Stationary Combustion Sources
  - Fossil Generation
  - Internal Combustion Engines: Emergency Engines, Auxboilers
- Mobile Combustion Sources
  - Vehicle Fleet
  - Equipment Propane
  - Coal Handling Equipment
- Process/Fugitive Sources
  - Refrigerants (facilities and transportation)
  - Coal Pile
  - T&D SF6 Leaks
  - Natural Gas Pipeline
  - Welding-Acetylene
  - Fire Suppression Systems

Scope 2 Emission Sources:
- Purchased and Consumed Electricity
- T&D Losses

Scope 3 Emission Sources:
- Purchased Goods and Services*
- Energy and Fuel Related Activities
  - Coal Purchases
  - Coal Rail Transportation
  - Purchased Power Delivered to End-Users
  - Natural Gas Purchases
- Business Travel
- Employee Commute
- Waste
Required: Scope 1 and Scope 2

### Scope 1: Avg Emissions

<table>
<thead>
<tr>
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<th>Avg Emissions</th>
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<tbody>
<tr>
<td>Stationary Combustion</td>
<td>10,206,850</td>
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<tr>
<td>Mobile Combustion</td>
<td>9,075</td>
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<tr>
<td>Process / Fugitive</td>
<td>5,237</td>
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<tr>
<td>Total</td>
<td>10,221,161</td>
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**GHG Inventory**

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<tr>
<th>Metric tons CO₂e</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
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<td>10,951,779</td>
<td>9,161,659</td>
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<td>Scope 2</td>
<td>73,646</td>
<td>69,581</td>
<td>84,601</td>
<td>272,634</td>
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<td><strong>Total</strong></td>
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<td><strong>11,021,359</strong></td>
<td><strong>9,246,260</strong></td>
<td><strong>10,386,247</strong></td>
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</table>

### Scope 2: Avg Emissions

<table>
<thead>
<tr>
<th></th>
<th>Avg Emissions</th>
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</thead>
<tbody>
<tr>
<td>Losses in T&amp;D System</td>
<td>70,020</td>
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<tr>
<td>Purchased and Used Electricity</td>
<td>5,709</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>75,729</strong></td>
</tr>
</tbody>
</table>

- Losses in T&D System: OPPD Consumed Electricity 98%, OPPD Consumed Electricity 2%
- Other: 0.14%
- Mobile Combustion: 0.09%
- Process / Fugitive: 0.05%

* These data currently undergoing validation.
Decarbonization: Stakeholder Outreach
Energy Portfolio Workshops

April – December 2021

Objective:
• Provide a deeper dive of decarbonization planning process and how it will support OPPD’s Integrated Resource Plan (IRP)
• Seek feedback along the way and explain how feedback was used or why not used

Outcome:
• Higher satisfaction with process

Outreach Levels (IAP2):
• Varied from Inform to Consult
Decarbonization – Energy Portfolio Workshops

Approximately 100 people have attended one or more workshop

Many attended multiple workshops within the series

<table>
<thead>
<tr>
<th>Date</th>
<th>Workshop Title</th>
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<tbody>
<tr>
<td>April 7</td>
<td>Pathways Planning 101</td>
</tr>
<tr>
<td>April 28</td>
<td>Multi-Sectoral Modeling</td>
</tr>
<tr>
<td>May 12</td>
<td>Developing Key Assumptions &amp; Scenarios</td>
</tr>
<tr>
<td>May 26</td>
<td>Developing Modeling Approach</td>
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<tr>
<td>Aug. 4</td>
<td>Interim Modeling Update</td>
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<tr>
<td>Oct. 27</td>
<td>Initial Results</td>
</tr>
<tr>
<td>Dec. 9</td>
<td>Final Results</td>
</tr>
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Speakers Bureau Engagement
- MAPA – Natural Resources Committee
- Green Bellevue
- Sierra Club
Decarb – Customer & Community Meeting

September 2021

Community Objectives:
• Understand community decarb context; identify core community-scale decarb strategies; develop an objective evaluation framework and prioritize strategies

Customer Objectives:
• Gather input for developing product to help customers lower their personal carbon footprint
• Deliver product strategy, roadmap and acceleration plan

Outcome:
• Prioritize areas of focus to make meaningful impacts across service territory communities
• Position OPPD to lead community initiatives in the transition towards a low-carbon future

Outreach Levels (IAP2):
• Consult
OPPDCommunityConnect.com
Launched July 2020

Engagement Platform Objective:
To lead the way; be the first and best source of Information and increase interaction

Decarb Engagement Tools:
Q & A, Comments, Ideas, Quick Polls, Surveys

Decarbonization OPPDCommunityConnect Statistics:

- **Projects**
  - 8 project pages created associated with Pathways to Decarbonization
  - Included workshop information and recordings

- **Visitors to Decarbonization project pages**
  - 7,700 between July 2020 thru Sept. 2021 (approximately 47,000 total site visitors)
Program Milestone Timeline

**Energy Portfolio**
- **Q2 2021**: Multi Sector Modeling in progress
- **Q3 2021**: Portfolio Optimization
- **Q4 2021**: Risk Analysis
- **Q1 2022**: Integrate with 2022 IRP
- **Q2 2022**: Recommendations and Modeling
- **Q3 2022**: Collaborate on Demand Side Study with Customer/PDM
- **Q4 2022**: Collaborate on Demand Side Study with Energy Portfolio

**Internal Operations**
- **Q2 2021**: 2020 GHG Inventory Complete
- **Q3 2021**: External Audit of Inventory Process and 2018-2020 Inventories
- **Q4 2021**: Begin 2021 GHG Inventory data collection
- **Q1 2022**: Integrate with Sustainability to scope and characterize non-generation opportunities to reduce OPPD emissions

**Customer**
- **Q2 2021**: Residential, C&I Customer Surveys
- **Q3 2021**: Strategy Narrative
- **Q4 2021**: Collaborate on Rooftop Potentaility Study
- **Q1 2022**: Integrate Operational Plan into PDM
- **Q2 2022**: Collaborate on Demand Side Study with Energy Portfolio

**Community**
- **Q2 2021**: Utilize Evaluation Framework to Identify areas of greatest Opportunity
- **Q3 2021**: Stakeholder Engagement Session
- **Q4 2021**: Gap Analysis
- **Q1 2022**: Recommendations to support advancement of Opportunity areas
- **Q2 2022**: Evaluate Recommendations & Pilot Project(s)

**TODAY**
- ELT checkpoint/BOD update
Questions, Discussion