

**OPPD Board of Directors – All Committees Meeting
 Tuesday, September 20, 2022**

CLOSED SESSION – 8:30 A.M. – PUBLIC SESSION 10:00 A.M.

Conducted virtually via Webex audio/video conference. Public may attend remotely by going to www.oppd.com/CommitteeAgenda to access the Webex meeting link or the public may watch the Webex at Energy Plaza, 444 S. 16th Street – Conf. Room A, Omaha, NE, which will be set up as a physical location to view the Webex.

	<u>TOPIC</u>	<u>TYPE</u>	<u>PRESENTER</u>	<u>TIME*</u>
1.	Chair Opening Statement		Bogner	8:30 A.M.
2.	Closed Session			8:35 A.M.
	Enterprise Risk Management Quarterly Update	Reporting	Focht	45 min
	Ratify Union Contracts	Action	Pinder	20 min
	BREAK – Open Webex to Allow Public to Join			
3.	Public Session – Chair Opening Statement		Bogner	10:00 A.M.
4.	Safety Briefing		Fernandez	10:05 A.M.
5.	Governance Committee			10:10 A.M.
	Governance Chair Report (9/14/22)	Reporting	Moody	10 min
	Ratify Union Contracts	Action	Pinder	10 min
	SD-10: Ethics Monitoring Report	Action	Pinder	10 min
	2023 Board Meeting Schedule	Action	Focht	10 min
6.	Finance Committee			10:50 A.M.
	Finance Chair Report (9/9/22)	Reporting	Yoder	10 min
7.	System Management & Nuclear Oversight Cmte			11:00 A.M.
	SM&NO Chair Report (9/8/22)	Reporting	Williams	10 min
	Nebraska City Station Unit 2 Exciter Repair Materials and Services – Engineer’s Certification	Action	Via	10 min
	RFP 5984 – Nebraska City Station Unit 2 SCR Catalyst and Air Preheater Basket Installation – Common Labor Contract Award	Action	Via	5 min
	SD-9: Integrated System Planning (formerly known as SD-9: Resource Planning) Monitoring Report	Action	Underwood	30 min
	SD-7: Environmental Stewardship Policy Revision	Action	Underwood	20 min
	BREAK FOR LUNCH			
8.	Public Information Committee			12:35 P.M.
	Public Information Chair Report (9/13/22)	Reporting	Mollhoff	5 min
	North Omaha Engagement Outline	Reporting	Olson	15 min
9.	Other Business			12:55 P.M.
	Confirmation of Board Meeting Agenda	Action	Bogner	5 min
	Review of Board Work Plan	Discussion	Bogner	5 min
	Power with Purpose: Solar, Natural Gas and Transmission Update	Reporting	Via / Underwood	30 min
	Customer Engagement for the Future Strategic Initiative Update	Presentation	McAreavey	30 min

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



Pre-Committee Agenda

GOVERNANCE PRE-COMMITTEE MEETING
WEBEX VIDEOCONFERENCE
September 14, 2022 8:00 – 9:00 A.M.

1. SD-10: Ethics Monitoring Report (Pinder – 5 min)
 - a. Objective: Answer Committee’s clarification-focused questions, affirm report includes the necessary information desired by the Committee, and confirm recommendation.
2. Ratify Union Contracts (Pinder – 15 min)
 - a. Objective: Understand process and next steps.
3. 2022 Board Governance Workshop (Moody – 10 min)
 - a. Objective: Align approach to Board workshop.
4. 2023 Board Meeting Schedule (Focht – 5 min)
 - a. Objective: Review calendar for Board consideration.
5. Board Work Plan (Focht – 2 min)
 - a. Objective: Committee members to review and confirm items on the Board Work Plan.
6. Summary of Committee Direction (2 min)
 - a. Objective: Executive Leadership Team liaison(s) to summarize direction provided by the committee.



Board Action

September 20, 2022

ITEM

SD-10: Ethics Monitoring Report

PURPOSE

To ensure full board review, discussion, and acceptance of the 2022 SD-10: Ethics Monitoring Report.

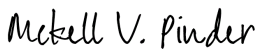
FACTS

- 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-10: Ethics.
- d. The Governance Committee has reviewed the SD-10: Ethics Monitoring Report and is recommending that OPPD be found to be sufficiently in compliance with the policy as stated.


ACTION

The Governance Committee recommends Board approval of the 2022 SD-10: Ethics Monitoring Report.

RECOMMENDED:

DocuSigned by:

275FF9E6286545B
McKell V. Pinder
Vice President – Human Capital

APPROVED FOR BOARD CONSIDERATION:

DocuSigned by:

AC399EDCE56247E...
L. Javier Fernandez
President and Chief Executive Officer

Attachments:
Exhibit A – SD-10: Ethics Monitoring Report
Resolution

SD-10 Ethics Monitoring Report

McKell Pinder
Vice President Human Capital
September 20, 2022

SD-10: Ethics

It is essential that OPPD maintain the public trust and confidence in the integrity and ethical conduct of its Board of Directors and the OPPD employees. Therefore, to ensure the public interest is paramount in all official conduct, the Board shall adopt and update, as necessary, a Code of Ethics and Business Conduct (the “Code”). OPPD shall also maintain and enforce a code of conduct applicable to all employees.

Among other things the Code shall:

- Require high ethical standards in all aspects of official conduct;
- Establish clear guidelines for ethical standards and conduct by setting forth those acts that may be incompatible with the best interests of OPPD and the public;
- Require disclosure and reporting of potential conflicts of interests; and
- Provide a process for: (i) reporting suspected violations of the Code and policies; (ii) investigating suspected violations of the Code and policies; and, (iii) providing an annual report to the Board.

Require high ethical standards in all aspects of official conduct

Board of Directors	Employees (Policy 3.01)
<ul style="list-style-type: none">• Loyalty• Compliance with Applicable Laws• Observance of Ethical Standards	<ul style="list-style-type: none">• Integrity• Compliance with Applicable Laws and Regulations• Act in a Legal and Ethical Manner

Establish clear guidelines for ethical standards and conduct by setting forth those acts that may be incompatible with the best interests of OPPD and the public

Board of Directors	Employees
<ul style="list-style-type: none">• Conflicts of Interest<ul style="list-style-type: none">• Improper Conduct and Activities• Compensation from non-Company Sources• Personal Use of Company Assets• Corporate Opportunities• Gifts• Business Courtesies• Confidentiality• Compliance	<ul style="list-style-type: none">• Laws, Regulations, and Personal Conduct• Accuracy of District Records, Reports and Communications• Use of Assets• Confidentiality and Disclosure of Information• Current and Potential Relationships with Vendors• Travel & Lodging for Business/Trade Organizations• Employee and Customer Relations• Political Office, Government Relations, and Public Service• Conflicts of Interest• Purchase and Sales of Goods and Services• Fraudulent Activities• Retention of OPPD Records• Distribution and Acknowledgement of Policy• Reporting Violations and Seeking Guidance• Disciplinary Action

Provide a process for: (i) reporting suspected violations of the Code and policies; (ii) investigating suspected violations of the Code and policies; and, (iii) providing an annual report to the Board

Board of Directors	Employees
<ol style="list-style-type: none"> 1. Communicate violations promptly to the Chair of the Governance Committee 2. Potential violations investigated by the Governance Committee or person designated (legal counsel) 3. Appropriate actions taken 4. Report annually to the Board <p><i>One external allegation reported for the previous 12-month period. Appropriate actions taken.</i></p>	<ol style="list-style-type: none"> 1. Report anonymously through 3rd Party (Ethics Point) 2. Report through Employee Concerns (FCS) 3. Report through Human Capital 4. Investigated by appropriate party/parties 5. Appropriate actions taken 6. Reported annually to the Board <p><i>17 reported for the previous 12-month period – 16 investigated and appropriate action taken; 1 pending investigation</i></p>

Recommendation

The Governance Committee has reviewed and accepted this Monitoring Report for SD-10 and recommends that the Board finds OPPD to be sufficiently in compliance with Board Policy SD-10.

**Any additional reflections on
what has been
accomplished ... or
challenges or gaps**





Moody/Pinder

DRAFT
RESOLUTION NO. 65xx

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-10: Ethics on an annual basis. The Committee has reviewed the 2022 SD-10: Ethics 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 the Omaha Public Power District accepts the 2022 SD-10: Ethics Monitoring Report, in the form as set forth on Exhibit A attached hereto and made a part hererof, and finds OPPD to be sufficiently in compliance with the policy as stated.



Board Action

September 20, 2022

ITEM

2023 Board Meeting Schedule

PURPOSE

Approve schedule for 2023 Board of Directors meetings

FACTS

- a. Article IV, Section 1 of the Bylaws of the Omaha Public Power District directs that the Board annually shall approve a schedule of regular Board meetings. Regular meetings of the Board shall be held as specified in the adopted schedule at the general offices of the District in Energy Plaza, Omaha, Nebraska, or at such other time and/or place as specified in the notice of meeting, including audio and video conference as provided in the Open Meetings Act.
- b. The proposed 2023 OPPD Board of Directors meeting schedule is outlined on the attached Exhibit A.

ACTION

Obtain approval from the Board of Directors for the 2023 Board meeting schedule.

RECOMMENDED:

DocuSigned by:
Scott M. Focht
B626AD4392E2483...

Scott M. Focht
Vice President – Corporate Strategy and Governance

APPROVED FOR BOARD CONSIDERATION:

DocuSigned by:
L. Javier Fernandez
AC399FDCE56247E...

L. Javier Fernandez
President and Chief Executive Officer

SMF:mfh

Attachments:
Exhibit A
Resolution

Exhibit A
Omaha Public Power District
Board of Directors
TENTATIVE PROPOSED
2023 Regular Board Meeting Schedule

All Committees Meeting Tuesdays			Board Meeting Thursdays		
Date*	Location*	Time*	Date*	Location*	Time*
January 17	Webex Audio/Video Conference	10:00 a.m.	January 19	Omaha Douglas Civic Center	5:00 p.m.
February 14	Webex Audio/Video Conference	10:00 a.m.	February 16	Omaha Douglas Civic Center	5:00 p.m.
March 14	Webex Audio/Video Conference	10:00 a.m.	March 16	Omaha Douglas Civic Center	5:00 p.m.
April 18	Webex Audio/Video Conference	10:00 a.m.	April 20	Omaha Douglas Civic Center	5:00 p.m.
May 16	Webex Audio/Video Conference	10:00 a.m.	May 18	Omaha Douglas Civic Center	5:00 p.m.
June 13**	Webex Audio/Video Conference	10:00 a.m.	June 15**	Omaha Douglas Civic Center	5:00 p.m.
July 18**	Webex Audio/Video Conference	10:00 a.m.	July 20**	Omaha Douglas Civic Center	5:00 p.m.
August 15	Webex Audio/Video Conference	10:00 a.m.	August 17	Omaha Douglas Civic Center	5:00 p.m.
September 19	Webex Audio/Video Conference	10:00 a.m.	September 21	Omaha Douglas Civic Center	5:00 p.m.
October 17	Webex Audio/Video Conference	10:00 a.m.	October 19	Omaha Douglas Civic Center	5:00 p.m.
November 14	Webex Audio/Video Conference	10:00 a.m.	November 16	Omaha Douglas Civic Center	5:00 p.m.
December 19	Webex Audio/Video Conference	10:00 a.m.	December 21	Omaha Douglas Civic Center	5:00 p.m.

* *Dates, times and locations are subject to change. All meeting information will be publicly noticed in advance of the meeting.*

** *Tentative. The Board may consider cancelling either the June or July 2022 meetings.*



Moody/Focht

DRAFT
RESOLUTION NO. 65xx

WHEREAS, Article IV, Section 1 of the Bylaws of the Omaha Public Power District directs that the Board annually shall approve a schedule of regular Board meetings. Regular meetings of the Board shall be held as specified in the adopted schedule at the general offices of the District in Energy Plaza, Omaha, Nebraska, or at such other time and/or place as specified in the notice of meeting, including audio and video conference as provided in the Open Meetings Act.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Omaha Public Power District that the Board meeting schedule for 2023, as outlined on Exhibit A attached hereto, is hereby approved.



Pre-Committee Agenda

FINANCE PRE-COMMITTEE MEETING
VIDEOCONFERENCE
September 9, 2022 8:00 – 9:00 AM

1. Safety Briefing (Bishop – 3 min)
 - a. Objective: Promote awareness of current safety focus
2. Overview 2023 Budget Development (Bishop – 10 min)
 - a. Objective: Provide awareness of COP timeline and development
3. Rate Design Project – Next Steps and Feedback (Bishop – 15 min)
 - a. Objective: Provide overview of future work for the Rate Design Project
4. SD-2: Rates Policy Revision (Yoder – 30 min)
 - a. Objective: Refine language and confirm path forward
5. Board Work Plan – Finance Committee Items (2 min)
 - a. Objective: Review Finance Committee Work Plan and process.
6. Summary of Committee Direction (2 min)
 - a. Objective: Executive leadership team liaison(s) to gain alignment and summarize direction provided by the Committee.



Pre-Committee Agenda

SYSTEM MANAGEMENT & NUCLEAR OVERSIGHT
PRE-COMMITTEE MEETING
WEBEX VIDEOCONFERENCE
September 8, 2022, 1:00 – 2:00 P.M.

1. Safety Briefing – (Pohl – 3 min)
 - a. Objective: Promote awareness of current safety focus.
2. SD-9: Integrated System Planning Monitoring Report (Underwood – 30 min)
 - a. Objective: Collect comments on the SD-9 Monitoring Report and discuss recommendation for approval.
3. SD-7: Environmental Stewardship Policy Revision Discussion (Underwood – 25 min)
 - a. Objective: Discuss proposed language for SD-7 revision.
4. Summary of Committee Direction (Pohl – 2 min)
 - a. Objective: Summarize direction provided by the committee.



Board Action

BOARD OF DIRECTORS

September 20, 2022

ITEM

Nebraska City Station Unit 2 Exciter Repair Materials and Services

PURPOSE

Provide materials and services to repair the Nebraska City Station Unit 2 exciter and related components

FACTS

- a. Nebraska City Station Unit 2 (NC2) was recently taken offline to address excessive generator exciter brush wear. Upon further inspection, it was determined that the exciter collector rings require significant repair or replacement.
- b. The exciter collector rings are not readily available replacement materials. Multiple repair or replacement solutions are being reviewed to restore the unit to operation efficiently.
- c. It is optimal for the District to expedite the return of NC2 to service due to the financial and reliability impacts of an extended outage.
- d. The District's engineer has certified the use of the sealed bid process is impractical and not in the public interest due to the variability in optimal material procurement, associated installation services, or repair solution(s) that are in review.

ACTION


Approval of the Engineer's Certification and authorization by management to negotiate and enter into a contract or contracts for the supply of materials and services for the repair of the Nebraska City Station Unit 2 exciter and related components.

RECOMMENDED:

DocuSigned by:

 181167221FA24AE...
 Troy R. Via
 Vice President – Utility Operations
 and Chief Operating Officer

APPROVED FOR BOARD CONSIDERATION:

DocuSigned by:

 AC399FDCE56247E...
 L. Javier Fernandez
 President and Chief Executive Officer

TRV:sae

Attachments: Letter of Recommendation
Engineer's Certification
Legal Opinion
Resolution



MEMORANDUM

DATE: September 17, 2022

UO-2022-009

FROM: S. A. Eidem

TO: T. R. Via

SUBJECT: Nebraska City Station Unit 2 Exciter and related components repair materials and services

1.00 GENERAL

On September 5th, 2022, Nebraska City Station Unit 2 (NC2) was shut down for a short duration outage to perform repairs to the generator exciter collector rings which were causing excessive brush wear while in operation. On September 9th, it was determined that excessive wear on one of the collector rings will require significant repair or replacement, extending the outage period considerably.

Several options are being reviewed to restore NC2 to operation, but the schedule to make these repairs or replacements are not fully known at this time. Based upon initial information, the worst case repair could take six months to complete due to specialized new part availability and supply chain issues. Refurbished collector rings from a similarly designed generation unit are also being reviewed for suitable use.

Additionally, the specialized tooling and training required during installation services of these replacement collector rings may be limited to the original equipment manufacturer (OEM), Toshiba.

Regardless of restoration option, this extended forced outage was not expected or included in the corporate planning process; as such, this outage period can cause a considerable budgetary impact to the District. Additionally, NC2 supports grid reliability, so restoring the unit efficiently ensures that vital function is available as grid conditions warrant. Since the optimal repair or replacement solution(s) is not known, additional time to finalize that solution and then proceed with the sealed bid process will exacerbate the restoration schedule and this adverse budgetary and degraded grid support impact.

Firm quotes for all of these potential replacement materials or services have not been received to date, but in combination are expected to exceed \$500,000.

Therefore, it is impractical and not in the public interest to utilize the sealed bid process. Direct negotiations with the OEM and other potential suitable suppliers for these specialized materials and services allows District staff to efficiently determine the optimal repair solution balancing technical requirements, value and schedule.

2.00 RECOMMENDATION

An Engineer's Certificate of the above has been prepared. Approval of that Certification is recommended. We request the Board of Directors to approve the Engineer's Certification and to authorize management to negotiate and enter into a contract or contracts for repair materials and services for Nebraska City Station Unit 2 Exciter and related components.

Scott A. Eidem

S.A. Eidem, P.E.
Director, Engineering Services
Utility Operations

ENGINEER'S CERTIFICATION

The Omaha Public Power District's (OPPD) Nebraska City Station Unit 2 (NC2) was recently taken offline to address excessive generator exciter brush wear. Upon further inspection, it was determined that the exciter collector ring exhibited excessive wear and requires significant repair or replacement.

The exciter collector rings are not readily available replacement parts. Multiple repair methodologies are being reviewed to restore the unit to operation in a safe and efficient manner, but clarity on the optimal method(s) is not known at this time. Regardless of repair or replacement method(s), an extended outage is expected based upon preliminary information received.

The undersigned, a Nebraska professional engineer employed by OPPD, certifies that following the sealed bid process for a replacement or repair solution(s) is impractical and not in the public interest. The following statements support this certification:

- NC2 is a base load unit within the OPPD generation portfolio. The potential duration of the extended outage can cause considerable budgetary impact to the District while the repair method(s) are further evaluated and implemented. Additionally, NC2 supports grid reliability, so restoring the unit efficiently ensures that vital function is available as grid conditions warrant.
- Toshiba, the original equipment manufacturer, is the likely best source of supply for new replacement materials and installation services because of the proprietary and technologically complex nature of the associated materials, equipment and specialized tooling required for the replacement. Review of suitable refurbished equipment from similarly designed generation units is also being pursued with currently unknown feasibility. A negotiated contract provides the proper mechanism to develop optimal pricing, schedule, and contract terms and conditions with acceptable risk mitigation in this emergent case.

Pursuant to Section 70-637 of the Revised Statutes of Nebraska, the Board of Directors is requested to approve this Engineer's Certificate and authorize Management to negotiate and enter into a contract or contracts for the supply of material and services for repair of the NC2 generator exciter and related components without compliance with the sealed bidding requirements of Sections 70-637 to 70-641 of the Revised Statutes of Nebraska.

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


Scott A. Eidem, P.E.



9/19/22
Date



FRASER STRYKER

PC LLO

LAWYERS

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409 SOUTH 17TH STREET
OMAHA, NEBRASKA 68102-2663
TELEPHONE 402.341.6000
TELEFAX 402.341.8290
WWW.FRASERSTRYKER.COM

STEPHEN M. BRUCKNER
DIRECT DIAL: 402.978.5225
SBRUCKNER@FRASERSTRYKER.COM

September 19, 2022

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

RE: Nebraska City Station Unit 2("NC2") - Engineer's Certification for Generator
Exciter Project

Ladies and Gentlemen:

We have reviewed the Engineer's Certification of Scott A. Eidem, P.E., a registered professional engineer in the State of Nebraska employed by the District. Mr. Eidem's Engineer's Certification states that NC2 recently was taken offline to address excessive generator exciter brush wear. Upon further inspection, it was determined that the exciter collector ring exhibited excessive wear and requires repair or replacement. The District is exploring the most expedient options to repair the generator exciter equipment and return NC2 to service. Mr. Eidem certifies that it is impractical and not in the public interest to utilize sealed bidding for this project, and that a negotiated contract provides the proper mechanism to develop optimal pricing, schedule, and contract terms and conditions with acceptable risk mitigation in this emergent case.

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 that it is impractical or not in the public interest to use the statutory sealed bid process for a project, and to authorize the District to enter into contracts 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. Eidem'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 supply of material and services to repair the NC2 generator exciter and related components. We recommend that any such contract(s) be subject to review and approval by the District's General Counsel.

Very truly yours,

A handwritten signature in blue ink, appearing to read "Stephen M. Bruckner". The signature is fluid and cursive, with a long horizontal stroke at the end.

Stephen M. Bruckner
FOR THE FIRM

SMB/sac
2653579



Williams/Via

DRAFT
RESOLUTION NO. 65xx

WHEREAS, on September 5, 2022, Nebraska City Station Unit 2 (NC2) was taken offline to address excessive generator exciter brush wear and, upon further investigation, it was determined that one of the exciter collector rings exhibited excessive wear and requires repair or replacement, extending the unplanned outage period; and

WHEREAS, the District's Engineer has certified that the exciter collector rings are not readily available replacement parts and multiple repair methodologies are being reviewed to restore NC2 to operation in a safe and efficient manner to support grid reliability; and

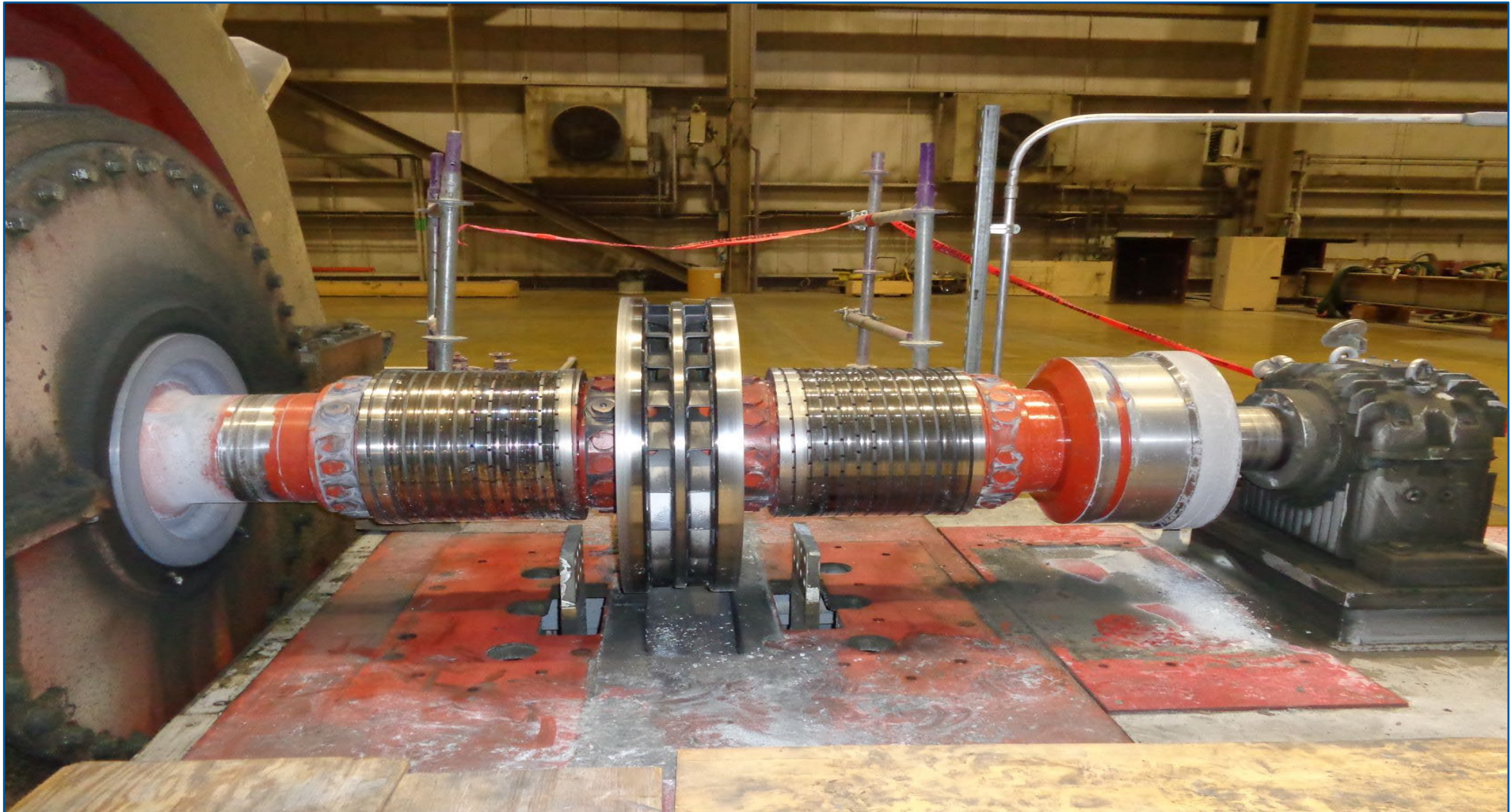
WHEREAS, for these reasons, the District's Engineer has certified that the use of sealed bidding would be impractical and not in the public interest; and

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 procurement of materials and services for the repair of the Nebraska City Station Unit 2 exciter and related components 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 70-641, is hereby approved.
2. Management is hereby authorized and directed to negotiate and enter into the necessary contract or contracts to procure materials and services for the repair of the Nebraska City Station Unit 2 exciter and related components, 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.

Nebraska City Station Unit 2 Generator Exciter Collector Rings





Board Action

BOARD OF DIRECTORS

September 20, 2022

ITEM

Nebraska City Station Unit 2 Air Preheater Basket/SCR Catalyst Module Replacement Labor

PURPOSE

Issue labor services contract for the replacement of the Nebraska City Station Unit 2 air preheater baskets and seals, and Selective Catalytic Reduction (SCR) catalyst modules.


FACTS

- a. The existing air preheater baskets and seals are at the end of their expected life. Recent inspection reports have confirmed replacement of the baskets and seals is needed.
- b. Individual layers of SCR catalyst are replaced at regular intervals in order to maintain SCR system performance.
- c. The air preheater basket and SCR catalyst replacement work will be completed during the planned spring 2023 Unit 2 outage. A common labor contract for these two projects is being sought to optimize installation activities.
- d. Six bids were received in response to RFP 5984. All bids were determined to be legally responsive. Three bids were determined by OPPD to be technically non-responsive.


ACTION

Authorization by the Board to award a contract to TEiC for labor services to replace the Nebraska City Station Unit 2 Air Preheater Baskets/Seals and SCR catalyst modules in the amount of \$1,331,059.

RECOMMENDED:

DocuSigned by:

 181167221FA24AE...
 Troy R. Via
 Vice President – Utility Operations
 and Chief Operating Officer

APPROVED FOR BOARD CONSIDERATION:

DocuSigned by:

 AC399FDCE56247E...
 L. Javier Fernandez
 President and Chief Executive Officer

TRV:sae

Attachments: Letter of Recommendation
 Tabulation of Bids
 Legal Opinion
 Resolution



MEMORANDUM

DATE: September 2, 2022

UO-2022-008

FROM: S.A. Eidem

TO: T.R Via

SUBJECT: Nebraska City Station Unit 2 Air Preheater Basket/Seal and SCR Catalyst Module Replacement Labor

1.00 GENERAL

Request for Proposal (RFP) No. 5984 is for the labor services contract to replace the Nebraska City Unit 2 (NC2) air preheater baskets/seals and SCR catalyst modules. The contract is for labor services only and does not include the supply of materials. A common labor contract for these two projects is being sought due to the close physical proximity of the work areas and large volume of material handling requiring careful coordination for safe execution.

A material supply contract was previously awarded for air heater baskets and seals by Board Resolution 6515 and an Engineer's Certificate to negotiate a contract for SCR modules was approved by Board Resolution 6490. Installation is planned to occur during the scheduled unit outage in the spring of 2023.

There are two layers of baskets within the Nebraska City Station Unit 2 air preheaters. Recent inspections found normal wear and fouling on both layers consistent with their age therefore replacement is needed to maintain unit reliability and efficiency. Replacement of baskets for both layers is included in this labor contract, along with replacement of air preheater seals.

The SCR Catalyst Management Plan evaluates SCR activity and plans/predicts the performance of the catalyst modules in order to maintain proper function. The top catalyst layer is scheduled for replacement in 2023 and installation for that layer will occur per this contract.

This RFP was advertised on July 19, 2022. One addenda and three letters of clarification were issued. Bids were received and opened on August 17, 2022. Six companies submitted bids. The Engineers estimate for this work was \$2,400,000.

The bid prices are as follows:

IHI Energy Solutions, Inc.	\$911,708
TEiC Construction Services, Inc.	\$1,331,059
Total-Western, Inc.	\$1,441,500
Traylor Industrial	\$1,949,696
Southern Field EEC	\$2,006,440
AirTek Construction, Inc.	\$2,189,350

2.00 COMPLIANCE WITH CONTRACT TERMS AND CONDITIONS

The proposals were referred to the District's legal counsel for review. The proposals received in response to the District's RFP No. 5984 may be considered by the District's Board of Directors for the award of this contract.

3.00 COMPLIANCE WITH TECHNICAL REQUIREMENTS


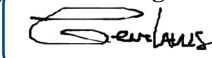
The IHI, Traylor Industrial, and AirTek Construction proposals were determined to not be technically responsive. The remaining three proposals received were determined to comply with the technical requirements and were economically evaluated.

4.00 RECOMMENDATION

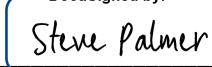
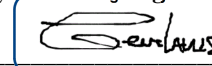
Based on compliance with legal and technical requirements of this specification, it is recommended the Board of Directors authorize award of Request for Proposal No. 5984 to TEiC Construction Services, Inc. for \$1,331,059.

Scott A. Eidem

S.A. Eidem, P.E.
Director, Engineering Services
Utility Operations

<p align="center">TABULATION OF BIDS Opened at 2:30 p.m., C.D.T., Wednesday, August 17, 2022, in Omaha, Nebraska</p>		<p align="center">REQUEST FOR PROPOSAL NO. 5984</p> <p align="center">Nebraska City Station Unit 2 Air Preheater Baskets and Seals Replacement / SCR Catalyst Module Replacement</p>			<p align="right">DocuSigned by:  C171422F76EE422... Director Supply Chain Management</p> <p align="right"> SEC5B86907EE4F6... Compiled by and Certified Correct</p>
<p align="center">Anticipated Award Date September 22, 2022</p>					
<p align="center">ENGINEER'S ESTIMATE</p> <p align="center"><u>\$2,400,000.00</u></p>					
<p align="center">BID ITEM</p>		BIDDER'S NAME & ADDRESS			
		<p align="center">IHI Energy Solutions Inc. 15377 Memorial Drive, Suite 300 Houston, TX 77079</p>	<p align="center">TEIC Construction Services, inc. 170 Tucapau Rd Duncan, SC 29334</p>	<p align="center">Total-Western, Inc. 8049 Sumerset Blvd Paramount, CA 90723</p>	
		SUPPLIER'S BID	SUPPLIER'S BID	SUPPLIER'S BID	
1.	<p><u>Proposal Price(S)</u></p> <p>Lump sum firm price for removing and replacing NC2 Air Preheater Baskets and Seals</p> <p>Lump sum firm price for removing and replacing SCR Catalyst Modules</p>	<p><u>\$582,493.84</u></p> <p><u>\$329,214.22 *</u></p>	<p><u>\$942,056.00</u></p> <p><u>\$389,003.00</u></p>	<p><u>\$1,103,100.00</u></p> <p><u>\$338,400.00</u></p>	
2.	<p><u>Completion Guarantee(s)</u></p> <p>Complete Installation of SCR Catalyst Modules (top layer), seals and cover grates: April 22, 2023, 1900 hour</p> <p>Complete Installation of NC2 Air Preheater Baskets and seals : May 18, 2023 1900 hour</p>	<p><u>Guaranteed Completion Date</u></p> <p><u>April 22, 2023 1900 Hour</u></p> <p><u>May 18, 2023 1900 Hour</u></p>	<p><u>Guaranteed Completion Date</u></p> <p><u>April 22, 2023 1900 Hour</u></p> <p><u>May 18, 2023 1900 Hour</u></p>	<p><u>Guaranteed Completion Date</u></p> <p><u>April 22, 2023 1900 Hour</u></p> <p><u>May 18, 2023 1900 Hour</u></p>	

* The actual number read at the bid opening was \$329,214.22.

<p align="center">TABULATION OF BIDS Opened at 2:30 p.m., C.D.T., Wednesday, August 17, 2022, in Omaha, Nebraska</p>		<p align="center">REQUEST FOR PROPOSAL NO. 5984</p> <p align="center">Nebraska City Station Unit 2 Air Preheater Baskets and Seals Replacement / SCR Catalyst Module Replacement</p>		<p align="right">DocuSigned by:  C171422F76EE422... Director</p> <p align="right">Supply Chain Management  5EC5B86907EE4F6 Compiled by and Certified Correct</p>	
<p align="center">Anticipated Award Date September 22, 2022</p>					
<p align="center">ENGINEER'S ESTIMATE</p> <p align="center"><u>\$2,400,000.00</u></p>					
<p align="center">BID ITEM</p>		BIDDER'S NAME & ADDRESS			
		<p align="center">SouthernField EEC 227 Industrial Parkway Luvern, AL 36049</p>	<p align="center">AirTek Construction, Inc. PO Box 388 Troy, AL 36081</p>	<p align="center">Traylor Industrial 835 N Congress Ave Evanville, IN 47715</p>	
		SUPPLIER'S BID	SUPPLIER'S BID	SUPPLIER'S BID	
1.	<p><u>Proposal Price(S)</u></p> <p>Lump sum firm price for removing and replacing NC2 Air Preheater Baskets and Seals</p> <p>Lump sum firm price for removing and replacing SCR Catalyst Modules</p>	<p><u>\$1,599,875.00</u></p> <p><u>\$406,565.00</u></p>	<p><u>\$1,691,005.00</u></p> <p><u>\$498,345.00</u></p>	<p><u>\$1,778,121.00</u></p> <p><u>\$171,575.00</u></p>	
2.	<p><u>Completion Guarantee(s)</u></p> <p>Complete Installation of SCR Catalyst Modules (top layer), seals and cover grates: April 22, 2023, 1900 hour</p> <p>Complete Installation of NC2 Air Preheater Baskets and seals : May 18, 2023 1900 hour</p>	<p><u>Guaranteed Completion Date</u></p> <p><u>April 22, 2023 1900 Hour</u></p> <p><u>May 17, 2023 1900 Hour</u></p>	<p><u>Guaranteed Completion Date</u></p> <p><u>April 22, 2023 1900 Hour</u></p> <p><u>May 18, 2023 1900 Hour</u></p>	<p><u>Guaranteed Completion Date</u></p> <p><u>April 22, 2023</u></p> <p><u>May 18, 2023</u></p>	

FRASER STRYKER

PC LLO

LAWYERS

500 ENERGY PLAZA
409 SOUTH 17TH STREET
OMAHA, NEBRASKA 68102-2663
TELEPHONE 402.341.6000
FAX 402.341.8290
WWW.FRASERSTRYKER.COM

STEPHEN M. BRUCKNER
DIRECT DIAL: 402.978.5225
SBRUCKNER@FRASERSTRYKER.COM

August 25, 2022

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

RE: Request for Proposal No. 5984 – Nebraska City Unit 2 Air Preheater Baskets and SCR Catalyst Replacement

Ladies and Gentlemen:

We have reviewed the six (6) proposals received in response to the District's RFP No. 5984 and provide the following legal opinion.

The proposal of Traylor Industrial states that its price is not firm after 30 days. OPPD is seeking a firm price proposal. If this proposal is to receive further consideration, the District must obtain a letter of clarification stating that the proposal remains open until the District's Board of Directors can consider the proposal for this contract award.

The proposal of IHI Energy Solutions, Inc. includes exceptions to the liquidated damages and warranty terms of the contract documents. Those exceptions are subject to the District's economic evaluation.

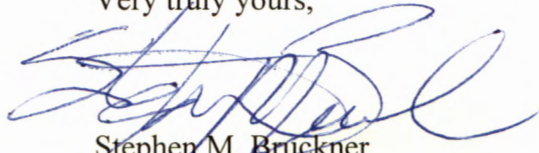
The proposal of TEiC Construction Services, Inc. submits exceptions to the warranty and liquidated damages terms of the contract documents. This proposal also submits a provision limiting overall liability to the total contract price. Those exceptions are subject to the District's economic evaluation.

The proposal of AirTek Construction, Inc. states that the proposal is valid only for 30 days. If this proposal is to receive further consideration, the District must obtain a letter of clarification stating that the proposal remains open until the District's Board of Directors can consider the proposal for this contract award. The AirTek proposal includes clarifications and exceptions, mostly technical, that must be evaluated by the District.

Subject to the foregoing comments and the District's technical and economic evaluation, all of the proposals for RFP No. 5984 may be considered by the District's Board of Directors for the award of

this contract. The form of performance and payment bond for the successful bidder also must be approved by the Board.

Very truly yours,



Stephen M. Bruckner
FOR THE FIRM

SMB/sac
2874218



Williams/Via

DRAFT
RESOLUTION NO. 65xx

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

REQUEST FOR PROPOSAL (RFP) NO. 5984
NEBRASKA CITY STATION UNIT 2
AIR PREHEATER BASKETS AND SEALS AND SCR CATALYST MODULE
REPLACEMENT LABOR

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 TEiC Construction Services, Inc. in the amount of \$1,331,059.00 for labor services to replace the Nebraska City Station Unit 2 air preheater baskets and seals and SCR catalyst modules pursuant to Request for Proposal No. 5984 is hereby accepted, and the form of payment and performance bond of such bidder is approved.



Board Action

BOARD OF DIRECTORS

September 20, 2022

ITEM

SD-9: Integrated System Planning Monitoring Report

PURPOSE

To ensure full Board review, discussion and acceptance of SD-9: Integrated System Planning Monitoring Report

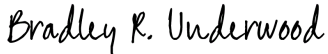
FACTS

- a. The Board confirmed the Corporate Governance Initiative Charter in December 2014, in order to assess and refine OPPD's corporate governance infrastructure.
- b. 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.
- c. Each policy was evaluated and assigned to the appropriate Board Committee for oversight of the monitoring process.
- d. The System Management and Nuclear Oversight Committee is responsible for evaluating Board Policy SD-9: Integrated System Planning on an annual basis.
- e. The Board approved revisions to SD-9 on August 18, 2022 and renamed the strategic directive from SD-9: Resource Planning to SD-9: Integrated System Planning.
- f. The System Management and Nuclear Oversight Committee has reviewed SD-9: Integrated System Planning Monitoring Report as outlined in Exhibit A and is recommending that OPPD be found to be sufficiently in compliance with the policy that was in effect prior to the August 18, 2022 policy revisions.


ACTION

The System Management and Nuclear Oversight Committee recommends Board approval of SD-9: Integrated System Planning Monitoring Report.

RECOMMENDED:

DocuSigned by:

D76A6627FE154F8...
Bradley R. Underwood
Vice President – Systems Transformation

APPROVED FOR BOARD CONSIDERATION

DocuSigned by:

AG399FDCE56247E...
L. Javier Fernandez
President and Chief Executive Officer

Attachment: Exhibit A – Monitoring Report
Resolution



Exhibit A

Monitoring Report SD-9: Integrated System Planning

Brad Underwood
Vice President - Systems Transformation
September 20, 2022



SD-9 Integrated System Planning

Strategic Directive

Significant revisions were approved to SD-9: Resource Planning on August 18, 2022 including renaming the SD to SD-9: Integrated System Planning. The revisions:

- Elevate the importance of integrated planning across supply-side, demand-side, transmission, and distribution planning in the context of a rapidly transforming electric industry
- Elevate the importance of system reliability and resiliency in the context of system planning
 - Ensure year-round compliance with regional balancing authority requirements
 - Ensure compliance with all North American Electric Reliability Corporation Reliability Standards including consideration of Essential Reliability Services
 - Ensure planning considers extreme weather events and their impacts on system reliability and the output of variable energy resources
- Establish quantitative monitoring of the ability for OPPD’s resources to meet OPPD’s electric demand on a continuous basis, also known as resource adequacy.

These modifications focus planning efforts on the most significant challenges facing the electric industry. As such, OPPD has also adapted its organizational structure, co-locating resource planning, transmission and distribution planning, and alternative energy, and decarbonization functions within the Systems Transformation Business Unit.

The 2022 Monitoring Report reflects SD-9: Resource Planning prior to the August 2022 policy revision.

SD-9 Integrated System Planning Strategic Directive

SD-9 Version Prior to August 2022 Revision

The Board of Directors recognizes that the District will have to adapt to the rapidly changing electric utility business environment. The OPPD resource planning process will provide the resources and analytical capability to adequately assess OPPD's Integrated Resource Portfolio (or Supply and Demand Portfolio) to ensure reliable, competitive, cost-effective and environmentally sensitive service for our customers.

To attain this goal, OPPD shall:

- Periodically assess, for strategic and integrated resource plans, OPPD's mix of generation assets, demand-side management programs, purchased power agreements and renewable energy resources.
- Utilize multiple scenarios to properly evaluate the range of risks posed by varying future assumptions such as, but not limited to fuel costs, economic growth, regulations and emerging technologies.
- Ensure all integrated resource strategic plans support and align with OPPD's Strategic Directives.

SD-9 Integrated System Planning Strategic Directive

SD-9 Version Prior to August 2022 Revision

The Board of Directors recognizes that the District will have to adapt to the rapidly changing electric utility business environment. The OPPD resource planning process will provide the resources and analytical capability to adequately assess OPPD's Integrated Resource Portfolio (or Supply and Demand Portfolio) to ensure reliable, competitive, cost-effective and environmentally sensitive service for our customers.

Resource Planning

- OPPD maintains a dedicated staff who monitor market and technology trends and facilitate both short and long-term planning resource portfolio planning efforts
 - **Short Term:** Used to derive near-term (usually 5 years) worth of expected load, fuel budgets, generation volumes, off system sales as well as fuel and purchase power. Rarely, if ever, are long term resource decisions made during this short term planning as the outputs are used primarily for the annual Corporate Operating Plan
 - **Long Term:** Used to derive the same outputs as the Short Term version but on a much longer duration and usually involve longer term resource recommendations.
- OPPD uses sophisticated industry standard tools and processes to support resource decisions and load forecasting (PSS/E, AURORA, ITRON, PROMOD, etc.)
- Study system specific reliability attributes relative to Grid Stability and Inertia (seconds), Reserves & Regulation (minutes), Thermal Capacity, Voltage and Loss of Load probability (hours and days) throughout the year
- Processes incorporate robust supply and demand side evaluations to ensure reliable, competitive, cost-effective, and environmentally sensitive outcomes

SD-9 Integrated System Planning Strategic Directive

SD-9 Version Prior to August 2022 Revision

Periodically assess, for strategic and integrated resource plans, OPPD's mix of generation assets, demand-side management programs, purchased power agreements and renewable energy resources.

Short Term Planning

OPPD conducts quarterly and annual short term planning efforts that:

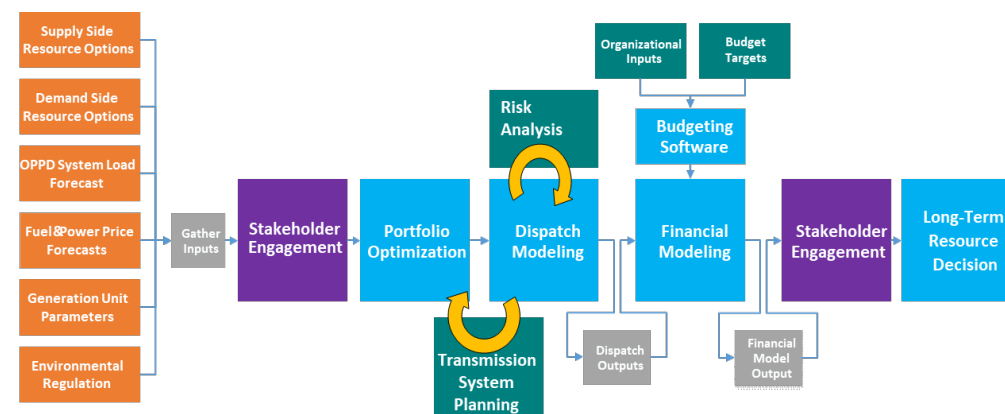
- Update market outlooks including commodity and power price trends
- Incorporates load forecast updates from customers or events
- Simulates OPPD's energy portfolio over a 5-year horizon

Long Term Planning

Long term resource planning can be triggered by a variety of diverse circumstances, including but not limited to:

- Western Area Power Administration IRP filings due every 5-Years
- Meaningful changes to Southwest Power Pool accreditation policy or reserve requirements
- Alterations of current environmental regulations and proposed new environmental regulations
- Bulk Electric System reliability/resiliency changes
- Significant OPPD load changes
- Combination of some or all of the above

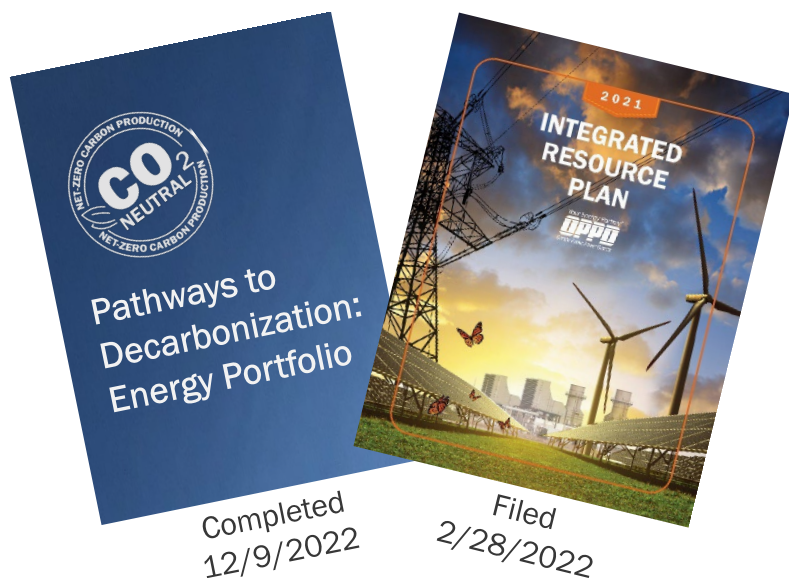
IRP Planning Process



SD-9 Integrated System Planning Strategic Directive

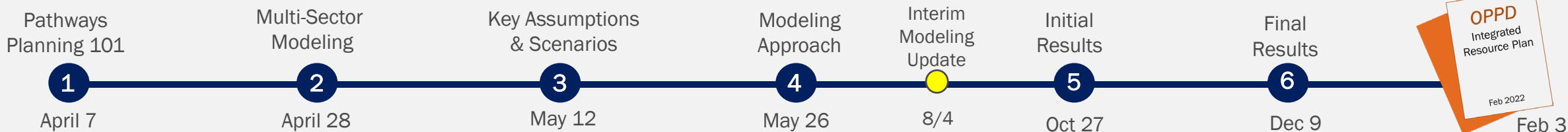
SD-9 Version Prior to August 2022 Revision

Periodically assess, for strategic and integrated resource plans, OPPD's mix of generation assets, demand-side management programs, purchased power agreements and renewable energy resources.



- OPPD completed its Pathways to Decarbonization: Energy Portfolio work and 2021 Integrated Resource Planning activities in late 2021 and early 2022
 - OPPD submitted its 2021 IRP in February of 2022, incorporating findings of the Pathways to Decarbonization study results and stakeholder feedback
- The Pathways to Decarbonization Study evaluated a wide range of supply and demand side resources within the integrated market to optimally achieve OPPD's mission and strategic directives.
- OPPD received significant positive feedback on its stakeholder process, which included a total of 8 workshops that were offered both internally to OPPD employees and externally to public stakeholders

Stakeholder Workshops



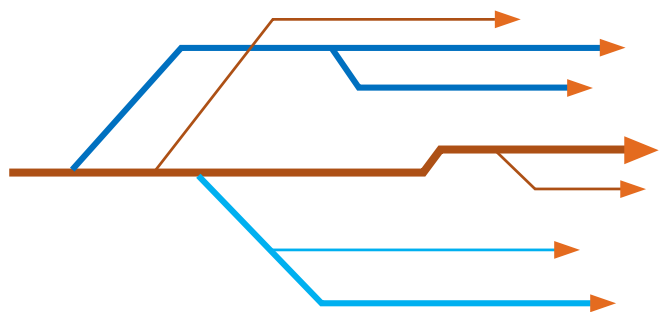
SD-9 Integrated System Planning Strategic Directive

SD-9 Version Prior to August 2022 Revision

Utilize multiple scenarios to properly evaluate the range of risks posed by varying future assumptions such as, but not limited to fuel costs, economic growth, regulations and emerging technologies.

Evaluating Multiple Scenarios

OPPD's Pathways to Decarbonization: Energy Portfolio modeling developed a spectrum of input assumptions to understand OPPD's direction in across a range of potential futures



Economy-Wide Scenarios

- Reference Load Forecast
- Moderate Decarbonization
- High Electrification
- High Net Zero Fuel Scenario

Pace of Decarbonization

- Straight-line by 2050
- Accelerated by 2050
- Moderated by 2050
- Net Zero by 2035

Carbon Policy

- Net Zero carbon
- Absolute Zero carbon

Emerging Technologies

- Mature-Only Technologies
- Hydrogen Technologies
- Emerging Technologies

Technology Costs

- Current Projections
- Break-through Costs

Reliability & Resiliency

- Transmission
- Reliability metrics

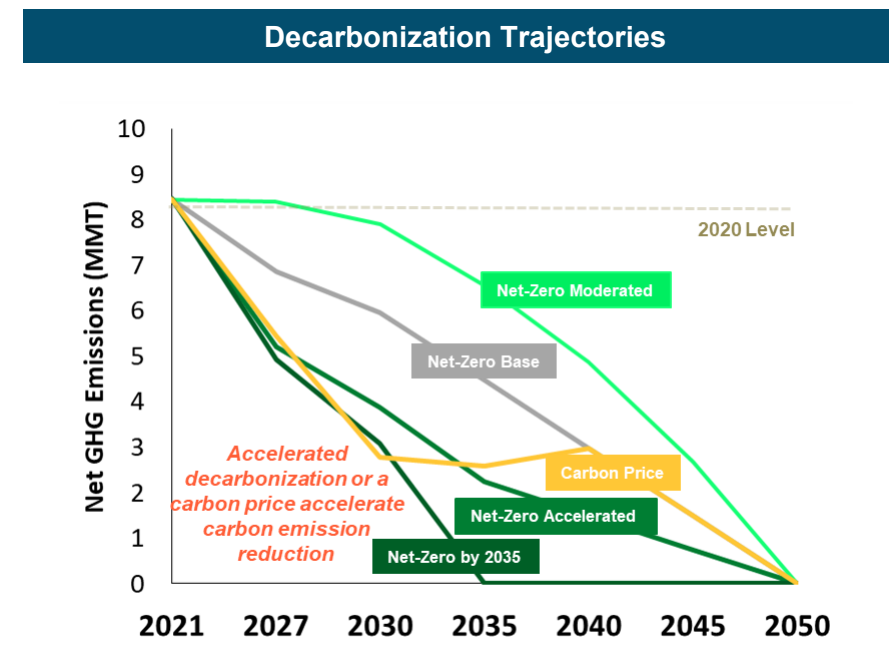
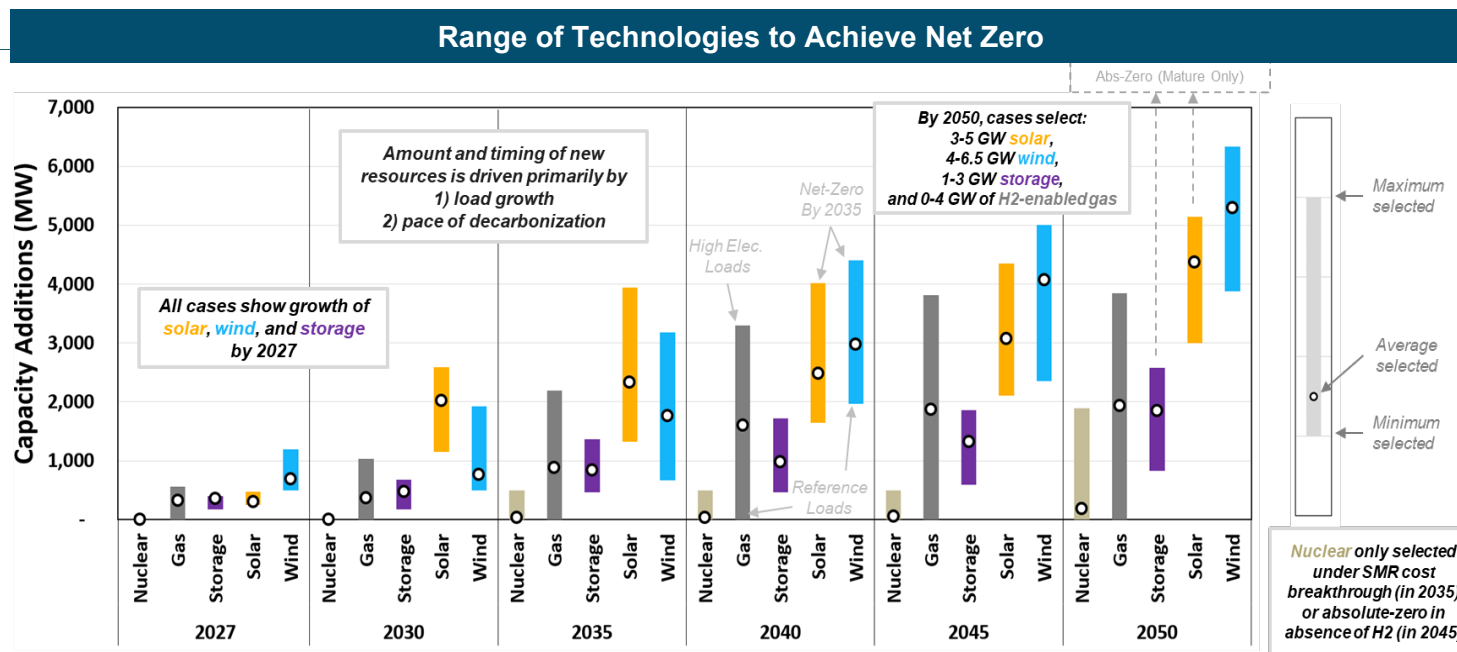
SD-9 Integrated System Planning Strategic Directive

SD-9 Version Prior to August 2022 Revision

Utilize multiple scenarios to properly evaluate the range of risks posed by varying future assumptions such as, but not limited to fuel costs, economic growth, regulations and emerging technologies.

Range of Outcomes

The study identified optimized resource needs across a variety of scenarios. The commonalities across these scenarios help OPPD to understand low-risk/ least-regret components of OPPD's future resource mix.



SD-9 Integrated System Planning Strategic Directive

SD-9 Version Prior to August 2022 Revision

Utilize multiple scenarios to properly evaluate the range of risks posed by varying future assumptions such as, but not limited to fuel costs, economic growth, regulations and emerging technologies.

Key Findings:

OPPD's study identified several key findings for the next 28 years to guide as we navigate safely and reliably to achieve Net Zero Carbon by 2050. These findings were incorporated into OPPD's 2022 Integrated Resource Plan. The IRP also identified advanced technical studies that will be required to develop specific plans to achieve a safe, reliable and affordable decarbonization.

● *OPPD can achieve Net Zero while balancing affordability and reliability*

● *Cessation of coal generation and reduced use of fossil generation*

● *A mix of new low-carbon resources including renewable energy, energy storage, and community-wide energy efficiency will be required*

● *Firm Generation is needed to maintain resource adequacy*

● *Resources are consistent across a variety of pathways*

● *Accelerating decarbonization reduces cumulative emissions at a relatively low incremental cost, but poses implementation and integration challenges*

● *The changing resource mix will pose new resiliency challenges that must be evaluated, understood, and mitigated*

● *Absolute Zero emissions scenarios are substantially higher cost and very dependent on future technology development*

SD-9 Integrated System Planning Strategic Directive

SD-9 Version Prior to August 2022 Revision

Ensure all integrated resource strategic plans support and align with OPPD's Strategic Directives.

The planning process considers the diverse and unique requirements of the following Strategic Directives and embraces the competing interests and tradeoffs that must be made when making resource decisions:

- SD-2: Rates
- SD-4: Reliability
- SD-5: Customer Satisfaction
- SD-7: Environmental Stewardship
- SD-9: Resource Planning
- SD-11: Economic Development
- SD-13: Stakeholder Outreach and Engagement
- SD-15: Enterprise Risk Management

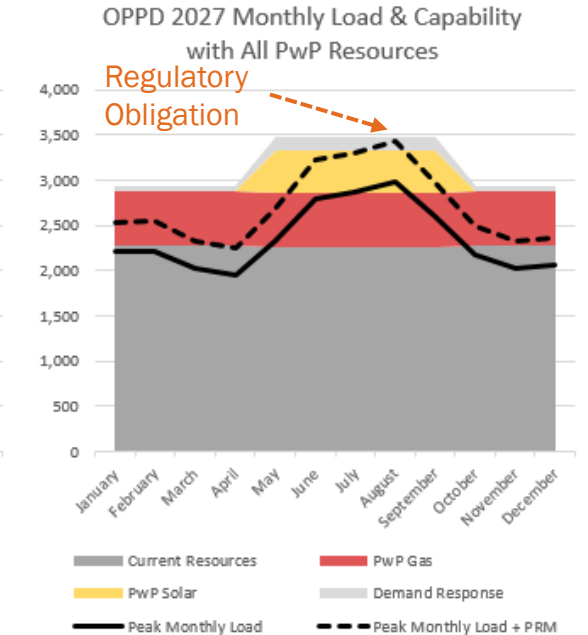
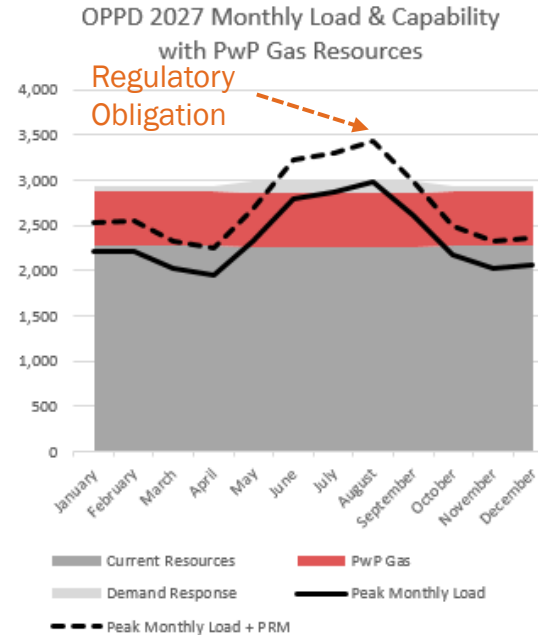
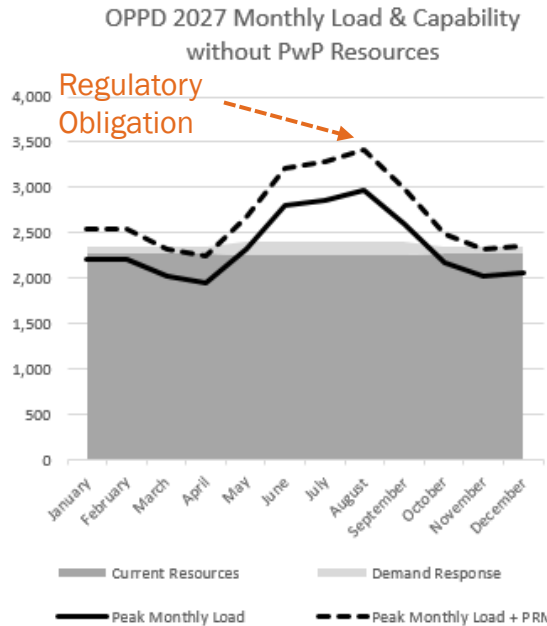
SD-9 Integrated System Planning Power with Purpose Update

SD-9 Version Prior to August 2022 Revision

Periodically assess, for strategic and integrated resource plans, OPPD’s mix of generation assets, demand-side management programs, purchased power agreements and renewable energy resources.

OPPD’s Power with Purpose (PwP) project identified the need for 600MW of solar and 600MW of natural gas generation to support OPPD’s growing customer demand.

- Outstanding PwP resources were identified three years ago to provide critical ‘on-peak’ summer capacity and energy when the system reaches its highest demand.
- Incremental solar is critical to solve our growing financial and operational risk associated with resource deficiencies when the bulk electric system experiences considerable strain.
- Natural gas provides sufficient system wide dispatchable generation, including quick ramp.
- The combined solution remains a critical optimization for affordable, reliable and environmentally sensitive energy services.



Recommendation

- The System Management Committee has reviewed and accepted this Monitoring Report for SD-9 and recommends that the Board find OPPD to be sufficiently in compliance with the Board Policy SD-9 that was in effect prior to the August 18, 2022 policy revision.

**Any additional reflections on
what has been
accomplished ... or
challenges or gaps**





Williams/Underwood

DRAFT
RESOLUTION NO. 65xx

WHEREAS, the Board of the 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-9: Integrated System Planning on an annual basis. The Committee has reviewed the SD-9: Integrated System Planning monitoring report and finds OPPD to be sufficiently in compliance with the policy as stated prior to the August 18, 2022 revisions to SD-9, including changing the name of the policy from SD-9: Resource Planning to SD-9: Integrated System Planning.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Omaha Public Power District accepts the monitoring report for SD-9: Integrated System Planning, 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 prior to the August 18, 2022 revision and renaming.



BOARD OF DIRECTORS

Board Action

September 20, 2022

ITEM

Revisions to SD-7: Environmental Stewardship

PURPOSE

To ensure full board review, discussion and acceptance of SD-7: Environmental Stewardship policy revisions.

FACTS

- a. The System Management and Nuclear Oversight Committee is responsible for evaluating and monitoring Board Policy SD-7: Environmental Stewardship.
- b. The System Management and Nuclear Oversight Committee proposed revisions for Board consideration on September 20, 2022.
- c. The System Management and Nuclear Oversight Committee is recommending to the Board that Board Policy SD-7: Environmental Stewardship be revised as outlined on Exhibit A.

ACTION

Board of Directors approval of the SD-7: Environmental Stewardship policy, as outlined on Exhibit A.

RECOMMENDED:

APPROVED FOR BOARD
CONSIDERATION:

DocuSigned by:

D76A6627EE154E8
Bradley R. Underwood
Vice President – Systems Transformation


DocuSigned by:

AC399EDCE56247E
L. Javier Fernandez
President and Chief Executive Officer

BRU:rak

Attachments: Exhibit A – Proposed SD-7: Environmental Stewardship Policy
Exhibit B – Presentation
Resolution

Exhibit A - Proposed Revisions

	OMAHA PUBLIC POWER DISTRICT Board Policy	Category:	Strategic Direction
	Policy No. and Name: SD-7: Environmental Stewardship	Monitoring Method:	System Management and Nuclear Oversight Committee Board Report
		Frequency:	Annually
	Date of Approval:	October 15, 2015 November 15, 2018 November 14, 2019 May 20, 2021 September 22, 2022	Resolution No.:


Managing its 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 the continuous improvement of its environmental performance.
- Conduct all of its operations (including operations such as building services and transportation) 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.
- Be transparent by measuring and reporting its 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 advance OPPD’s environmental interest.~~
- [By year end 2027, achieve an approximate 3,500,000 ton annual reduction in CO2 emissions at the North Omaha Station site relative to OPPD’s 2013 benchmark of 3,960,179 tons at the station.](#)

SD-7: Environmental Stewardship Board Policy Refinement Discussion

Brad Underwood
Vice President – Systems Transformation
September 20, 2022

	OMAHA PUBLIC POWER DISTRICT Board Policy	Category:	Strategic Direction
	Policy No. and Name: SD-7: Environmental Stewardship	Monitoring Method:	System Management and Nuclear Oversight Committee Board Report
		Frequency:	Annually
Date of Approval:	October 15, 2015 November 15, 2018 November 14, 2019 May 20, 2021	Resolution No.:	6082 6289 6347 6434

Managing its 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.

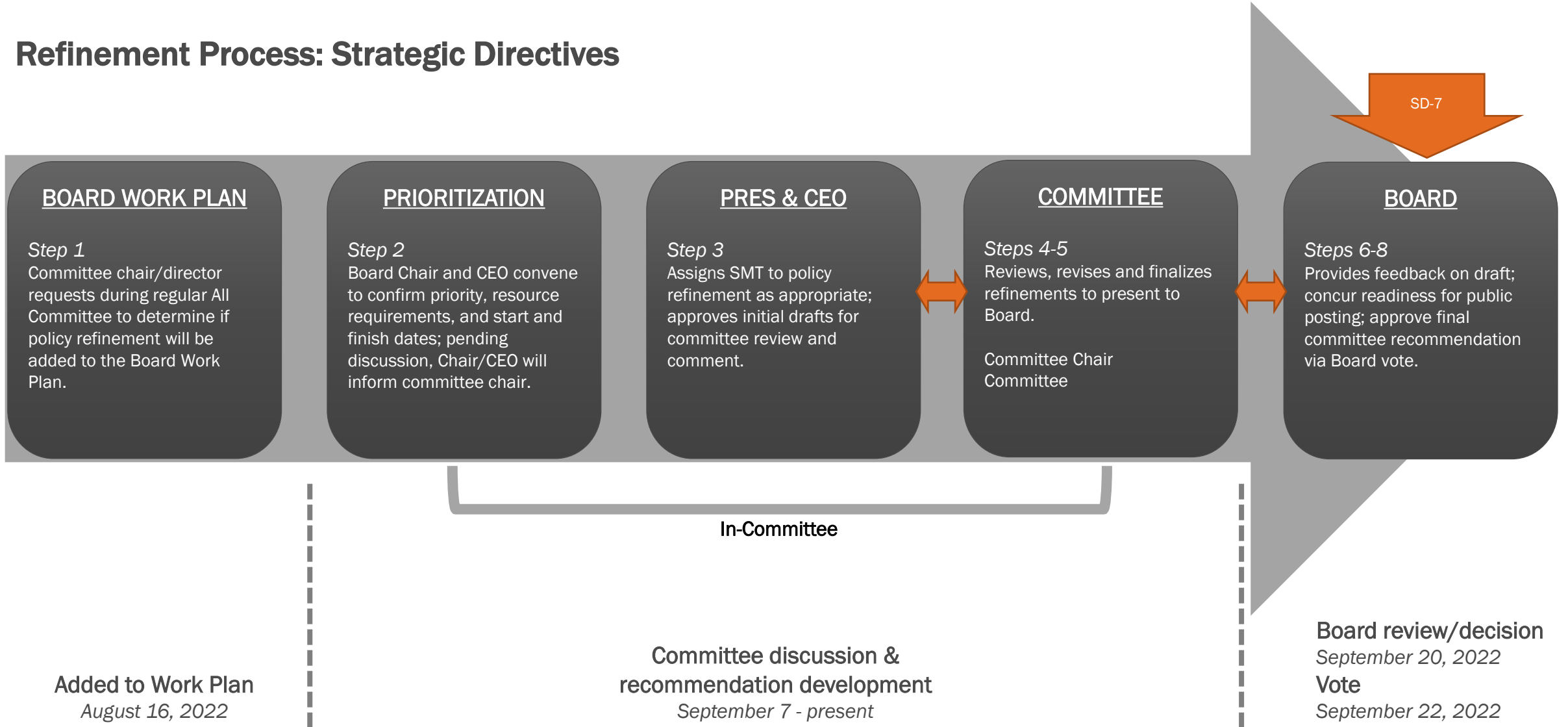
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- Conduct all of its operations (including operations such as building services and transportation) in a manner that strives for the goal of net zero carbon production by 2050.
- Conduct its business in a manner that meets all environmental regulatory standards, and go beyond compliance where practical.
- Be transparent by measuring and reporting its 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 advance OPPD's environmental interest.

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



Refinement Process: Strategic Directives




All Committee Review: September 20, 2022

Is there anything that requires further clarification?

Is there anything you especially like?

Is there anything that you'd like the Committee to consider before moving this forward for board action?

Exhibit A - Proposed Revisions

	OMAHA PUBLIC POWER DISTRICT Board Policy	Category: Strategic Direction
	Policy No. and Name: SD-7: Environmental Stewardship	Monitoring Method: System Management and Nuclear Oversight Committee Board Report
	Date of Approval:	Frequency: Annually
	October 15, 2015 November 15, 2018 November 14, 2019 May 20, 2021 September 22, 2022	Resolution No.: 6082 6289 6347 6434 XXXX

Managing its 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.

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- 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 advance OPPD’s environmental interest.
- [By year end 2027, achieve an approximate 3,500,000 ton annual reduction in CO2 emissions at the North Omaha Station site relative to OPPD’s 2013 benchmark of 3,960,179 tons at the station.](#)

Next Step

- Option 1: Board Resolution & Vote

OR

- Option 2: Additional Committee Deliberation



Williams/Underwood

DRAFT
RESOLUTION NO. 65xx

WHEREAS, from June through August 2022, the Board of Directors of the Omaha Public Power District (the “Board”) reviewed, received stakeholder feedback, and approved for reliability and resiliency considerations an extension of the date for the previously planned retirement and refuel of the generating units at the North Omaha Station; and

WHEREAS, in September 2022, the System Management and Nuclear Oversight Committee (the “Committee”) proposed, and the Board of Directors reviewed, a recommendation to revise Board Policy SD-7: Environmental Stewardship to reflect the currently estimated date of the refuel and retirement schedule for generation units at the North Omaha Station.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Omaha Public Power District that the revised Board Policy SD-7: Environmental Stewardship revisions are approved, effective September 22, 2022, as set forth on the Exhibit A, attached hereto.



Pre-Committee Agenda

PUBLIC INFORMATION PRE-COMMITTEE MEETING WEBEX VIDEOCONFERENCE

Tuesday, September 13, 2022 4:00 – 5:00 P.M.

1. Safety Briefing (McAreavey – 3 min)
 - a. Objective: Promote awareness of current safety focus.
2. Legislative and Regulatory Update (Olson – 20 min)
 - a. Objective: Provide an overview of the federal landscape since the signing of the Inflation Reduction Act of 2022.
3. North Omaha Engagement Outline (Olson – 20 min)
 - a. Objective: Provide a high level timeline of the objectives and proposed outcomes of engagement with the community.
4. Board Work Plan – Public Information Committee Items (3 min)
 - a. Objective: Discuss Public Information Committee items on the Board work plan.
5. Summary of Committee Direction (2 min)
 - a. Objective: Executive leadership team liaison(s) to summarize direction provided by the committee.



North Omaha Station (NOS) Outreach and Engagement

Board of Directors
All Committees Meeting
September 20, 2022



Outreach and Engagement Post Resolution



Objective

- Per the edited and approved Resolution 6518, OPPD's Board of Directors cited that OPPD's continued outreach should ...

“Engage with local educational, public health, and community-led organizations in carrying out the process that includes engaging the North Omaha community in understanding the benefits and developing action plans to reduce overall impacts related to ongoing operations at North Omaha Station for residents.”

Communication & Outreach

IAP2 Level: Consult

OBJECTIVE

Communicate OPPD's decision to delay the retirements & conversions.
Engage with local community members.
Listen and ask clarifying questions.
Develop action plans to address concerns.

MEASUREMENT

Ensure stakeholder awareness and understanding.
Listen, gather feedback and insights.

ACTIONS

Internal and external communications, 1:1s, videos, industry articles, Speakers Bureau, website education, FAQs, etc.

IAP2 Level: Consult

Public participation goal:
To obtain public feedback on decisions.

Promise to public:
We will keep you informed, listen to and acknowledge concerns and aspirations, and provide feedback on how public input influenced the decision (action plans).

Source: iap2.com

Community Conversations

Relationship owners have been reaching out to stakeholders to understand concerns, listen and gain insight, including any additional contacts we should be including.

- Chamber and business leaders
- Public officials
- Public health
- Community leaders
- Community organizations
- DEI organizations
- Neighborhood associations



Stakeholder Questions

Listening Tour – OPPD relationship holders & Board

- What questions do you have around the decision to extend operations at NOS?
- What are you hearing and what concerns do you have?
- Who else should we be talking to?
- What impact do you see this decision having on the North Omaha community? (gauge perception, so we can address – we cannot assume perceived impacts)
- What outcome would you like to see from this OR what does success look like to you?





Phase Updates at Monthly PI and Board Committee Meetings

Phase I (pre-August vote)

Inform and communicate local, regional and national challenges and changes to the electrical system landscape.

Various, internal communications, external 1:1s, videos, industry articles, Speakers Bureau, website education, FAQs, etc.

Phase II (Aug-Dec)

Engage with, consult and listen to local educational, public health, and community-led organizations.

Listening tour, data collection, employee community connections and retiree outreach, LB1024 hearings, NOS plant tour and community leader conversations (Oct. 4 & 13)

Phase III (Jan-TBD)

Output of listening phase – plan to be developed based on feedback.

Likely to include continued engagement with LB1024 implementation and the North O business park, product development & marketing engagement, community conversation and events.

Board Alignment – Next Steps

Email questions for responses or 1:1s to clarify expectations

- ✓ What does success look like?
- ✓ What's the expectation around “plans” from the resolution?
- ✓ How will the Board engage with their constituents and/or support OPPD efforts?
- ✓ Any key contacts you recommend we connect with?




APPENDIX



IAP2 Spectrum of Public Participation

IAP2's Spectrum of Public Participation was designed to assist with the selection of the level of participation that defines the public's role in any public participation process. The Spectrum is used internationally, and it is found in public participation plans around the world.

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

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DRAFT Agenda

**OPPD BOARD OF DIRECTORS
REGULAR BOARD MEETING
Thursday, September 22, 2022 at 5:00 P.M.**

*Conducted in person at the Omaha Douglas Civic Center, 1819 Farnam Street,
2nd Floor Legislative Chamber, Omaha, NE 68183*

*Public may attend in person at the Omaha Douglas Civic Center or remotely by going to
www.oppd.com/BoardAgenda to access the Webex meeting link and view materials.*

Preliminary Items

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

Board Consent Action Items

6. Approval of the July 2022 Comprehensive Financial and Operating Report, August 2022 Meeting Minutes and the September 22, 2022 Agenda
7. Ratify Union Contracts – Resolution No. 65xx
8. SD-10: Ethics Monitoring Report – Resolution No. 65xx
9. 2023 Board Meeting Schedule – Resolution No. 65xx
10. Nebraska City Station Unit 2 Exciter Repair Materials and Services – Engineer’s Certification – Resolution No. 65xx
11. RFP 5984 – Nebraska City Station Unit 2 SCR Catalyst and Air Preheater Basket Installation – Common Labor Contract Award – Resolution No. 65xx
12. SD-9: Integrated System Planning (formerly known as SD-9: Resource Planning) Monitoring Report – Resolution No. 65xx
13. SD-7: Environmental Stewardship Policy Revision – Resolution No. 65xx

Board Discussion Action Items

14. [to be determined]

Other Items

15. President’s Report (20 mins)
16. Opportunity for comment on other items of District business
17. 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 OF DIRECTORS

September 20, 2022

ITEM

Power with Purpose: Natural Gas Generation, Energy Delivery and Solar Updates

PURPOSE

Provide updates on Power with Purpose projects for September 2022.

TURTLE CREEK STATION & STANDING BEAR LAKE STATION FACTS

1. Engineering, procurement, and construction activities are in progress. Substation activities include grounding work and drilled piers. Installation of underground piping and duct banks, foundation work and preparations for major equipment deliveries continues at the generation facilities.
2. Standing Bear Lake Station's substantial completion date is January 8, 2024, and Turtle Creek Station's substantial completion date is January 26, 2024.
3. Four of the nine Wärtsilä reciprocating internal combustion engines (RICE) have been delivered to OPPD property with remaining five by mid-month.
4. Natural gas supply infrastructure and pipeline installation is taking place at the respective sites.

ENERGY DELIVERY FACTS

1. Procurement and construction activities continue on the transmission assets associated with the Saryp Southwest Transmission Project. Major activities include foundation construction and structure deliveries on the three new transmission circuits connecting Turtle Creek Station to the existing transmission system.
2. Substation work is in progress at multiple substations supporting both natural gas facilities, and below-grade construction activities will begin in fourth quarter of 2022 to ready the interconnect substation for the solar facility in Saunders County.

SOLAR FACTS

1. The 81-megawatt Platteview Solar facility in Saunders County continues to make progress. AES and OPPD have kicked off team meetings and are working on building out the detailed execution timeline. Construction is expected to begin at the site in the first quarter of 2023.
2. In late August, the Department of Commerce announced it would extend its own deadline from late August until November 28th to make a preliminary ruling in the Auxin Solar petition. The department said it needs additional time to review the information and administrative records. There is concern in the industry that this will further delay a final decision on the investigation, which would include prospective tariffs. On June 6th, President Biden did waive tariffs for 2 years. OPPD staff continue to monitor and evaluate the impacts to OPPD's deployment of solar.
3. The Inflation Reduction Act (IRA) was signed into law in August and has significant implications to how OPPD may deploy future energy projects, specifically Power with Purpose solar. OPPD staff have engaged industry experts, including financial, tax, legal, and suppliers, to further evaluate the IRA in order to understand how to optimize the pursuit of solar deployment for customer owners.

Reporting Item

- 4. OPPD staff continue to engage with local jurisdictions to support the development of solar regulations and provide education on solar technology. In August, staff delivered this information at the Cass County Planning Commission meeting.

RECOMMENDED:

DocuSigned by:

Troy R. Via

181167221FA24AE...

Troy R. Via
Chief Operating Officer & Vice President
Utility Operations

APPROVED FOR REPORTING TO BOARD:

DocuSigned by:

L. Javier Fernandez

AG399FDCE56247E...

L. Javier Fernandez
President and Chief Executive Officer

TRV:maw

Power with Purpose Open Session September 2022 Solar Update

September 20, 2022



Power with Purpose Update

Agenda

- Standing Bear Lake Station & Turtle Creek Station
- Solar
- Stakeholder Outreach & Communication

Standing Bear Lake Station & Turtle Creek Station



Power with Purpose Update

Standing Bear Lake Station

- Site Completion: January 8, 2024
- Construction activities
 - Substation: grounding work and drilled piers
 - Generation: underground piping/duct banks, foundation work
 - Gas supply: gas pipeline installation
- Wartsila engine deliveries to site in progress



West Facing – Seal Slab Engines 4-6



Engine being placed on trailer at ESC



Engine 1 leaving Elkhorn Service Center

Engine Dimensions

Length – 42'-0"

Width – 12'-3"

Height – 14'-7"

Weight – 462,750 lbs.

Loaded Dimensions

Length – 247'-8"

Width – 14'-0"

Height – 18'-7"

Weight – 796,000 lbs.

Information as of September 9, 2022

Power with Purpose Update

Turtle Creek Station

- Site Completion: January 26, 2024
- Construction activities
 - Substation: grounding work and drilled piers
 - Generation: underground piping/duct banks, foundation work
 - Gas supply: installation of gas supply infrastructure & pipeline
- Siemens equipment delivery: late Fall 2022



Facing Southwest – Unit 1 GTG Piping



Facing East – Install Conduit Duct Bank

Information as of September 9, 2022

Solar



Solar Update

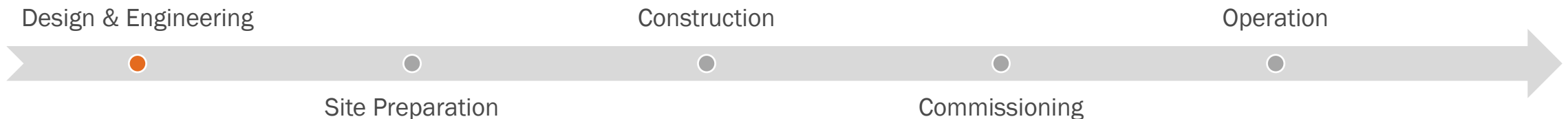
- Platteview Project
- Federal Policy
- Advocacy & Education
- Deploying Solar



Platteview Solar

September Project Status Update

- Completed Activities
 - Permit for Use of County Right of Way (Saunders County)
 - Road Use and Maintenance Permit (Saunders County)
- Ongoing Activities
 - Procurement of major equipment
 - 30% complete Civil and Electrical design packages
 - Develop ground cover plan (includes pollinator mix)
 - Develop OPPD substation design package
- Community Coordination
 - Outreach to Saunders County officials to update on OPPD and AES project progress
 - Project updates on OPPDCommunityConnect



Federal Policy Updates



Federal Policy Updates: Anti-circumvention Investigation

- Background
 - US Department of Commerce (DOC) investigation began in March 2022
 - Initial investigation severely impacted nearly 80% of US module supply
 - In June 2022, Biden issued executive order placing two-year pause on tariffs
 - Original timeline for preliminary determination was late August 2022
- Update
 - DOC pushed back preliminary determination timeline to November 28, 2022
 - Extension will push deadline for final determination likely to Spring 2023
- Impacts
 - Biden's executive order brought some relief to supply, however, there are still considerations of the forced labor protection act, which ensures components are not made with slave labor
 - Wood Mackenzie (industry research group) predicted a 6.3 Gigawatt reduction in 2022 installations due to uncertainty of anti-circumvention investigation

Federal Policy Updates: Inflation Reduction Act

- Inflation Reduction Act (IRA) was signed into law in August 2022
- Initial review of IRA shows significant potential for public power and solar deployment, but requires additional review by OPPD and industry experts
 - Extends and expands investment and production tax credits
 - Direct pay allows tax credits to be directly eligible to public power entities
- Next steps
 - Most new programs and rules fall under Department of Treasury and IRS, who are trying to figure out their processes for implementation over the next several weeks
 - OPPD has engaged industry expertise to review and understand the IRA, these include legal, financial, industry groups (LPPC, APPA, SEPA), and solar suppliers

Summary of the Inflation Reduction Act

Highlights of the IRA

- **10 (plus)** years of full-value credits for onshore/offshore wind, solar, storage, and hydrogen.
- **PTC/ITC** (with solar PTC) through the end of 2024; tech-neutral credits from 2025-2032 (or later).
- **Full value credits** tied to prevailing wage and apprenticeship requirements.
- **Adders/bonuses available** for complying with domestic content requirements and investing in projects in certain energy and low-income communities.
- **Direct pay** available for hydrogen and advanced manufacturing PTC for the first 5 years; otherwise mostly limited to tax-exempt entities.
- New **transferability** program is available for entities unable to elect direct pay—allowing the selling of credits to unrelated parties.
- **Accelerated depreciation restored** for clean energy projects (clean energy tax credits already protected) in corporate minimum tax.
- **No transmission ITC**, but transmission eligible for nearly \$10 billion through various programs.
- **Offshore:** Trump offshore wind moratorium lifted; offshore wind leases tied to oil and gas leasing on federal waters/lands.
- **Funding for permitting resources** at DOE, FERC, DOI, NOAA and the Federal Permitting Improvement Steering Council.

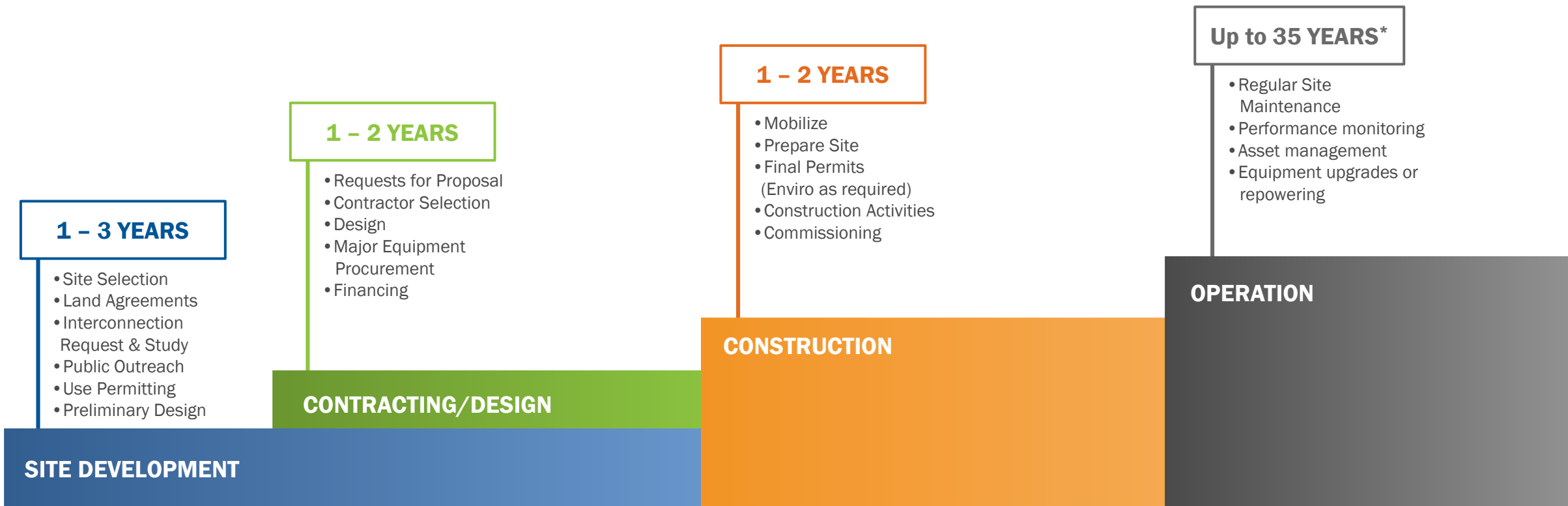
Local Advocacy & Education



Local Advocacy & Education

- Ongoing support of regulations for City/County jurisdictions
 - Cass County Planning Commission is currently reviewing all regulations, which also includes review of solar in the Transitional Agriculture zone
 - Active review of solar regulations in Sarpy County
 - Ongoing discussions and support in other jurisdictions
- Development of education materials
 - “Solar 101” includes technology overview, utility-scale solar development process steps and timelines, and what to expect at end of life
 - OPPD staff developing additional topics, such as battery and other technologies
- Ongoing delivery of solar education materials
 - Cass County in August; also scheduled for September

TYPICAL TIMELINE UTILITY-SCALE SOLAR



**Utility-scale PV Solar facilities are designed to operate 25 – 35 years with regular equipment maintenance throughout the life of the plant*

TYPICAL TIMELINE UTILITY-SCALE SOLAR



Up to 35 YEARS*

- Regular Site Maintenance
- Performance monitoring
- Asset management
- Equipment upgrades or repowering

OPERATION

1 - 2 YEARS

- Decommissioning
- Material Recycling & Disposal
- Site Restoration

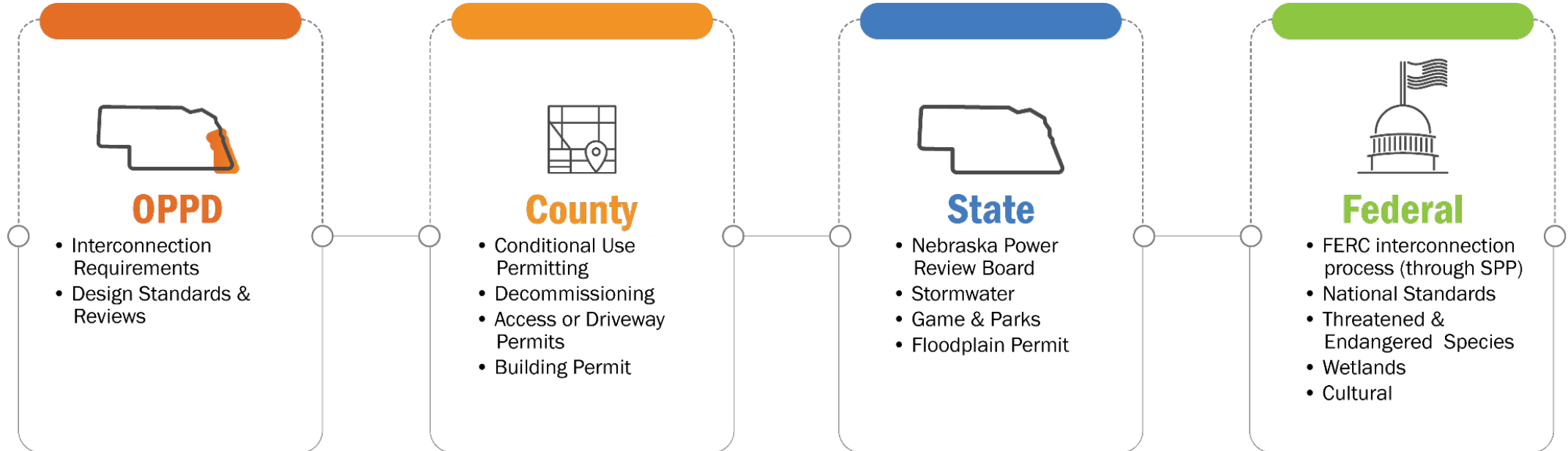
DECOMMISSIONING

**Utility-scale PV Solar facilities are designed to operate 25 – 35 years with regular equipment maintenance throughout the life of the plant*

Regulatory Involvement for Solar Projects



SOLAR PROJECT REGULATORY APPROVALS



Deploying Solar



Ongoing Efforts to Deploy Solar

- Continuing to study sites and develop risk mitigation strategies for solar deployment
 - Progress on sourcing and specific sites will be announced in the coming months
- Significant engagement with suppliers to:
 - Maintain key relationships with developers and equipment suppliers for upcoming sourcing activities
 - Understand volatile solar market
 - Further understand how the Inflation Reduction Act will impact project pricing and timelines
 - Keep updated on development milestones for active projects in OPPD territory/Nebraska
- OPPD submitted an application to the Nebraska Environmental Trust (NET) annual grant process in early September 2022
 - Application is to study the feasibility of solar on the closed landfill in Douglas County
 - NET will announce recipients in Spring 2023
 - If recommended, OPPD and Douglas County would collaborate on potential next steps

Stakeholder Outreach & Communication



Stakeholder Outreach and Communication SBLS/TCS

- OPPDCommunityConnect continued project page updates
 - Standing Bear Lake project page
 - Turtle Creek Station project page
 - Sarpy Southwest Transmission Project
- Use of social media to share project milestones
- 1:1 touchpoints with M.U.D., HOAs, neighbors and stakeholders as needed



Take a peek at these photos captured from the first of nine big engine moves to Standing Bear Lake Station, one of OPPD's two new natural gas plants.



NEWS FEED

QUESTIONS

September 2022 Update

06 Sep 2022



Beginning Sept. 6 and over the next couple of weeks, OPPD will be working with contractors to transport nine Wärtsilä reciprocating internal combustion engines to the Standing Bear Lake Station, near 114th & Military Rd. One engine will be moved at a time, with activity occurring later in the evening and going into the overnight hours.

Specialized large equipment movers will be utilized for this effort. Loaded on a trailer, the equipment measures approximately 248' long by 14' wide and 19' tall. The trailer and engine combined will weigh in at 796,000 pounds. These engines were shipped from Italy and then shipped by rail to Nebraska.

Solar Community Outreach - Ongoing

- OPPD continues advocacy and education to community leaders, customers and stakeholders across the service territory and on a statewide level
- Further development of outreach materials and education including a new video on our YouTube page
- These ongoing, coordinated efforts ensure OPPD is the best source of information
- Follow our journey at OPPDCommunityConnect.com

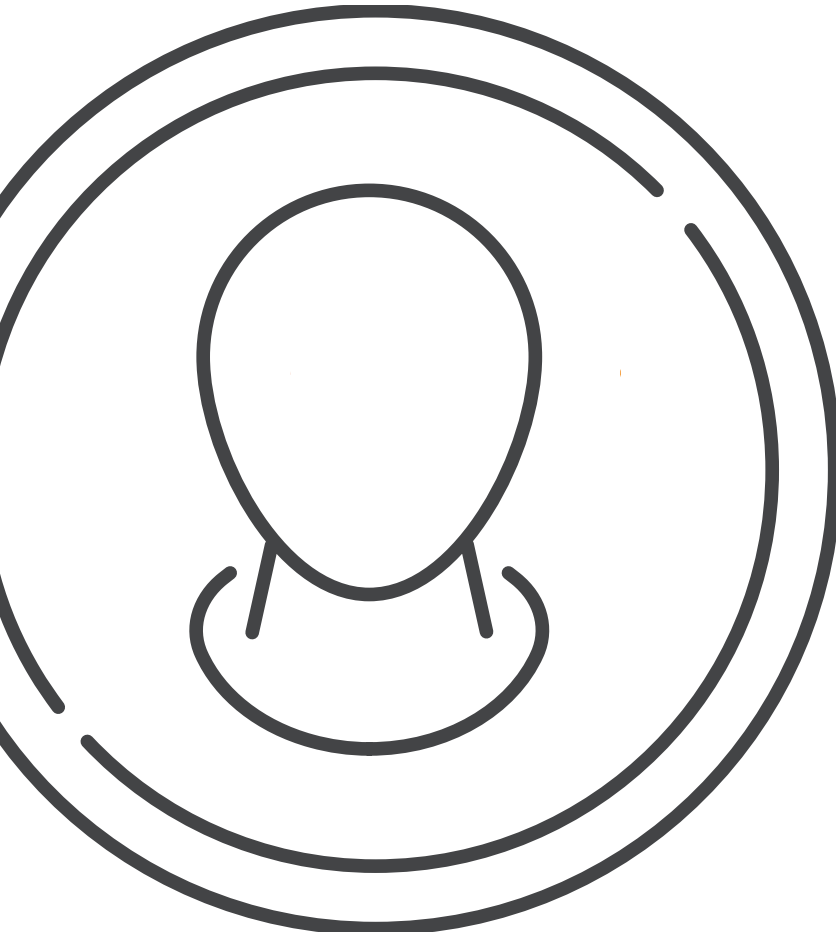
The screenshot shows the top navigation bar with links for Home, OPPD.com, About this Site, a search bar, and Sign in/ Register. The main header features the slogan "Power with Purpose" in large white text on an orange background, accompanied by a solar panel icon and the word "SOLAR". Below the header, the page title "Power with Purpose: Solar" is displayed, followed by social media icons and a brief introductory paragraph. A section titled "Platteview Solar" provides details about the 81-megawatt solar array project in Saunders County, Nebraska, and mentions its completion in April 2021. A "FAQs" section is also visible at the bottom of the page.



CUSTOMER ENGAGEMENT FOR THE FUTURE

your energy partner®
OPPD
Omaha Public Power District





**ADVOCACY IS THE
ULTIMATE GOAL**

PROJECT APPROACH



- Catalog of current-state OPPD operations
- Research and discovery of best-in-class engagement organizations, within the industry and broader
- High-level recommendation for OPPD moving forward.

THE ENVIRONMENT

We explored, a lot.

Other utilities, brands known for high customer engagements, industry experts, published studies and more.



WHAT WE STUDIED

ORGANIZATIONAL READINESS

- Customer engagement playbook
- Change management
- Training
- Culture and accountability
- Organizational design, roles and responsibilities

ADVANCED ANALYTICS AND TOOLS

- 360 customer view
- Data and insights repository
- Marketing and engagement technologies, including digital experience
- Segmentation models
- Metrics and corporate dashboards
- Data privacy, governance and regulations

CUSTOMER INSIGHTS AND OUTPUTS

- Customer personas and segmentation strategies
- Voice of the District in varying scale and frequency
- Tailored messaging and personalized materials
- Customer engagement activities

OUR JOURNEY

Researched

84

companies

Generated

100+

engagement
ideas

Mapped

30

processes

Created

2,226

PPT slides...and
counting

Studied

31

customer
moments

Explored

300+

tech capabilities

Surveyed

424

customers

Considered

203

cultural
behaviors

Interviewed

70+

employees

Hosted

8

employee
workshops

MOMENTS THAT MATTER



Service Orders



Economic Development



Billing & Payment



Product & Service Delivery



Manage Energy Use



Business Development



Issue Resolution



Outage Experience



Strategy Updates



Youth Outreach



Stakeholder Outreach



Project Updates



Customer Listening



Community Events

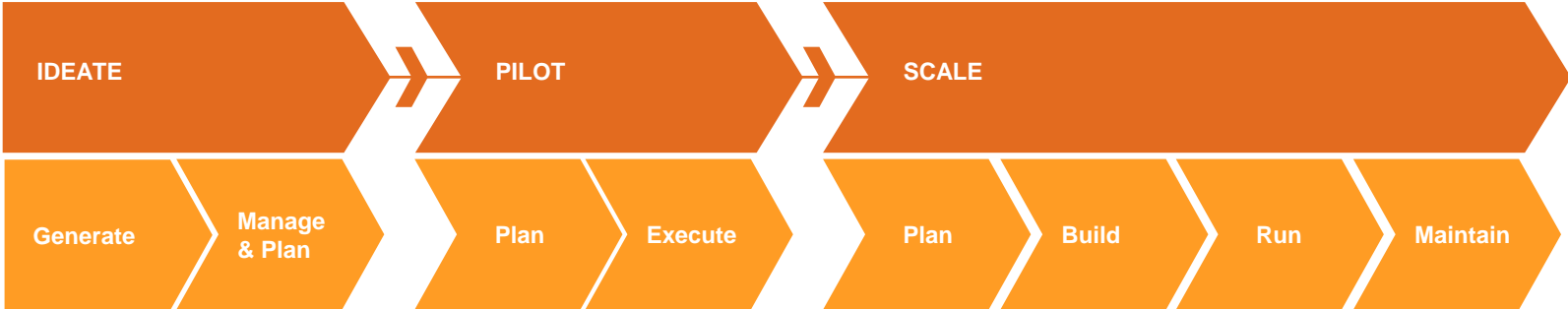
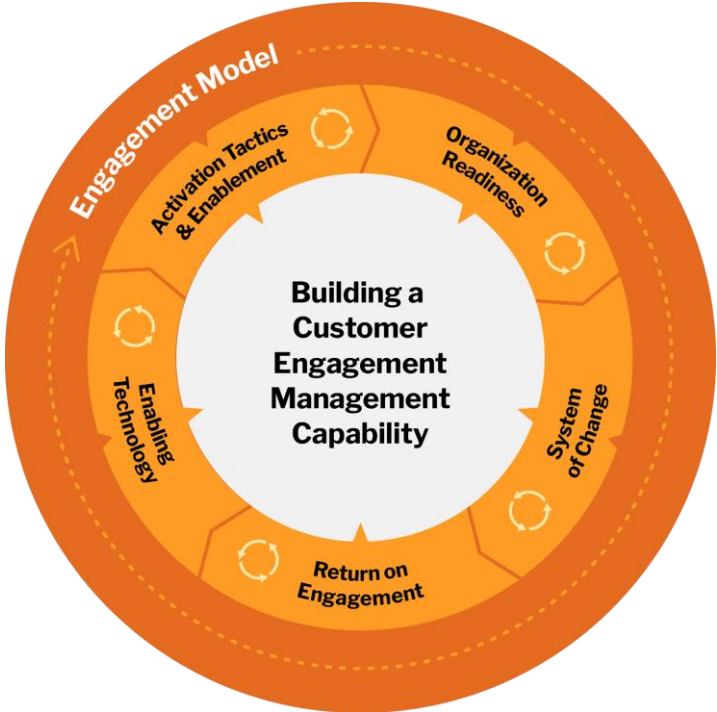


Education Opportunities

ENGAGEMENT TACTICS

- Updated digital experience (DX) channels (website & related portals, mobile app)
- Online chats
- Website 'pop-up' surveys
- Outage notifications
- Billing notifications
- Education booth at school events
- Customer job shadow opportunities
- Museum exhibit
- Scholarships
- Elected youth to the Board (leadership development)
- Annual Energy summit (youth and regular)
- Trade ally events
- Energy 'joke of the week' / editorial cartoons
- Annual festival
- Holiday lights show
- Live reviews
- Blog – employee and customer contributions
- Usage alerts
- Online discussion forum
- Annual “Edison Awards” event
- OPPD 'pop-up' events
- Ask the Expert forum
- OPPD sponsored school clubs
- 'Touch a Truck' events
- Transactional surveys
- Customer product advisory council
- Lunch and learn events
- Social media polls & interactions
- Neighborly competitions
- Personalized annual energy report
- Energy consultations
- Gamification and other reward opportunities
- New customer welcome package
- College orientation booth
- Product attrition survey
- Personal check-in 30-60 days following start and/or transfer service
- Promotional incentive for a product review
- Energy challenges and competition
- Marketing toolkit for customer sharing
- Physical & virtual field trips
- Personal, handwritten notes
- Community event cross-sharing

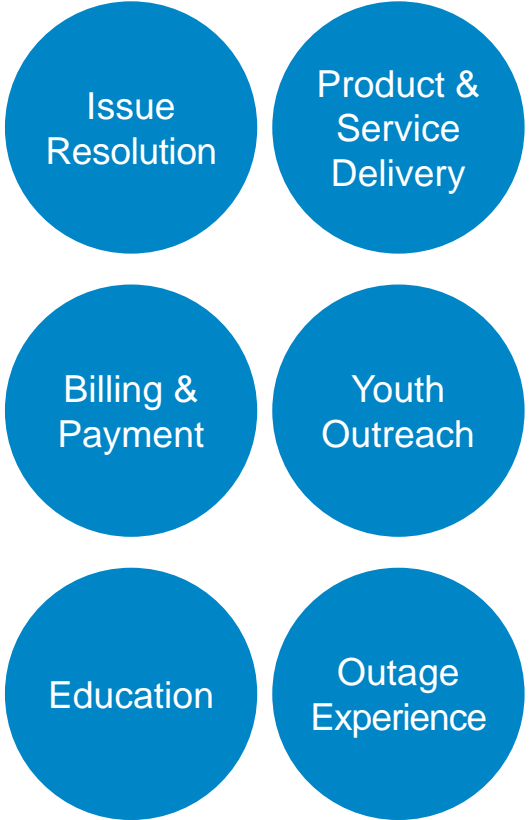
ENGAGEMENT PLAYBOOK



ENGAGEMENT IN ACTION



Average Joe



Persona

Moments that Matter

Journey Touchpoints

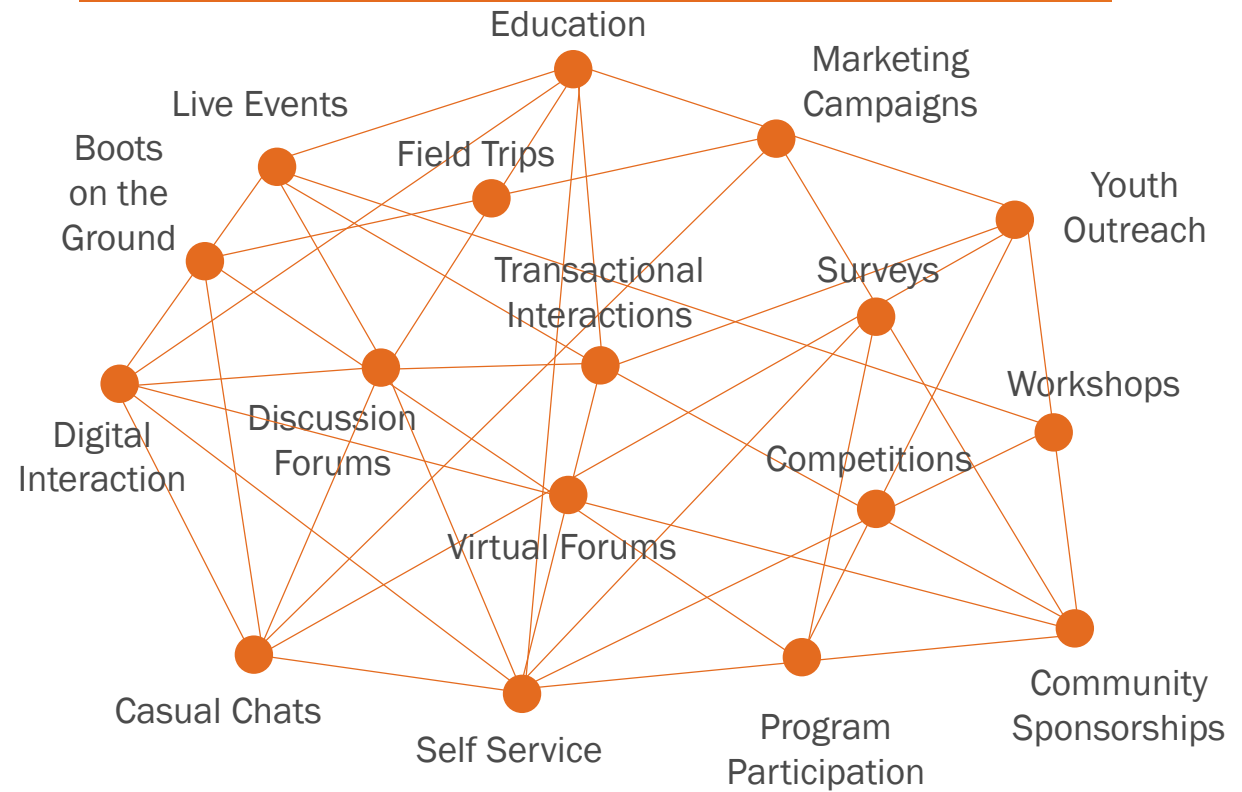
Measurement & Outcomes

A NEW VISION

CURRENT STATE

- ☑ Start service
- ☑ Billing
- ☑ Payment
- ☑ Account changes
- ☑ Service calls
- ☑ Outage response
- ☑ Trade allies
- ☑ Issue resolution
- ☑ Transfer service
- ☑ Stop service
- ☑ Energy use management
- ☑ Business customer management

FUTURE STATE



NEXT STEPS



- Build a visual roadmap of all CEF recommendations and deliverables
- Roadmap to include all identified organizational, technology and engagement deliverables and the following:
 - *Approximate timeframe to complete*
 - *Estimated budget*
 - *Expected internal and external resources*
 - *Known risks and dependencies*
- Prioritize engagement ideas within each moment that matters and develop more detail and definition around the activity
- Execute on high-value foundational work (i.e. “no regret work”)
- Finish Youth Engagement Study
- Socialize internally with employees
- Conduct outreach with customers
- Begin the transition and project closure process



QUESTIONS?

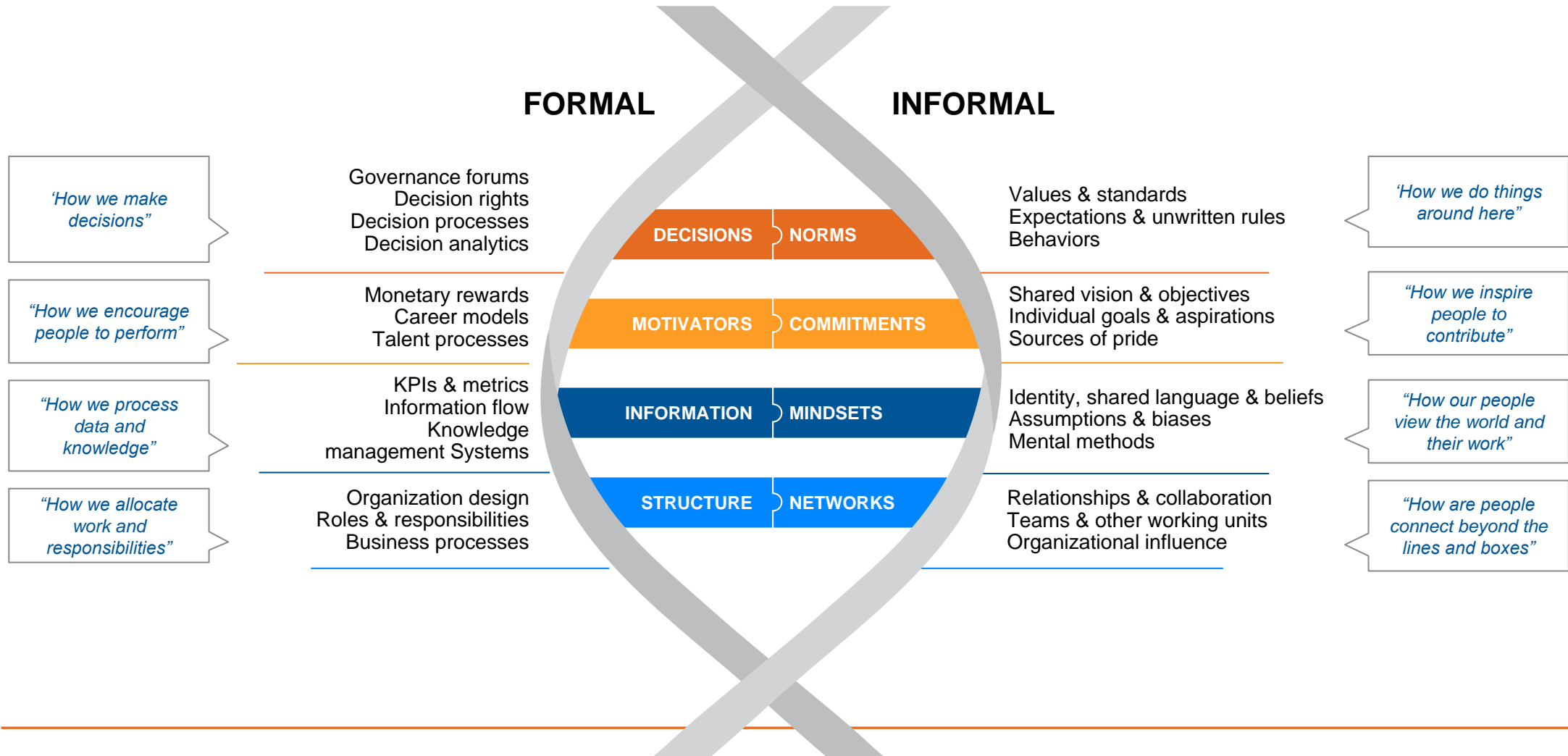
APPENDIX



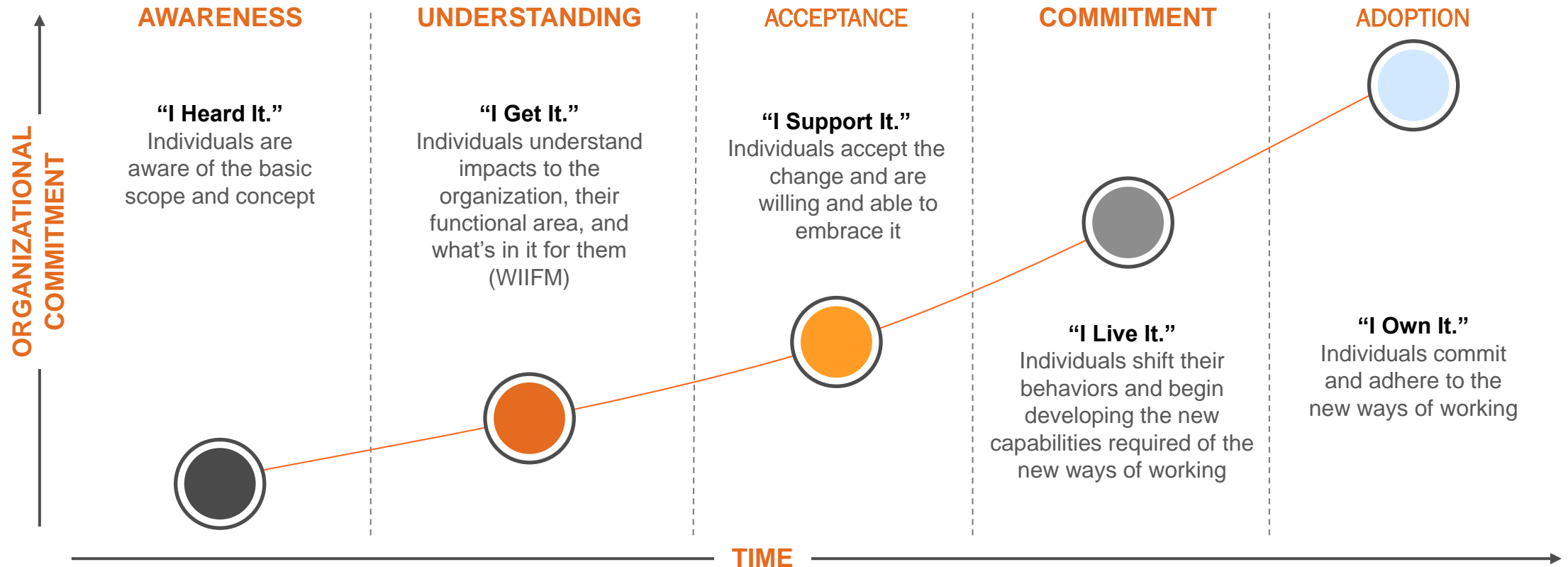
Change Management, Culture, Training



ORG DNA FRAMEWORK



CHANGE MANAGEMENT CURVE



A BEHAVIOR EVOLUTION

Katzenbach Center Methodology for Behavior Evolution



Set your cultural compass



Find your "critical few"

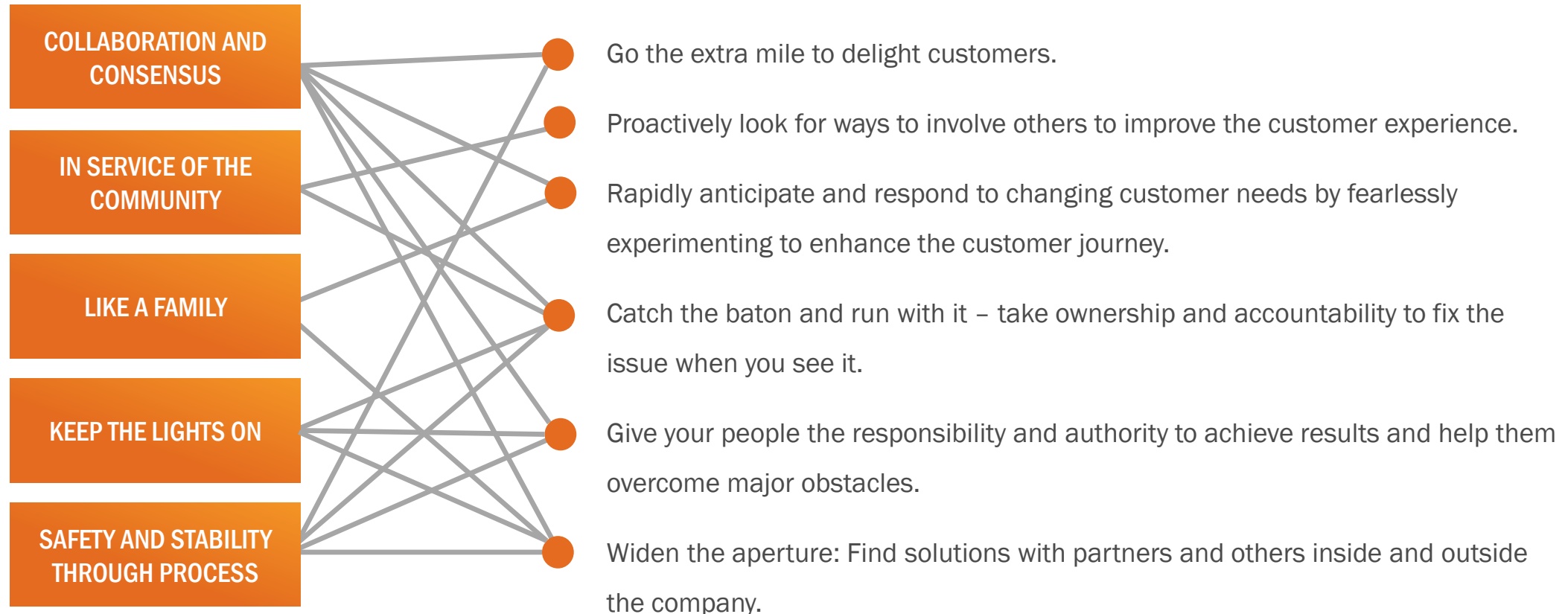


Build a movement to drive behavior adoption



Leverage E and O data to drive value

CRITICAL FEW BEHAVIORS



AUTHENTIC INFORMAL LEADER NETWORK

An “Authentic Informal Leader” (AIL) is someone who influences and energizes others without relying on their title or formal position in the hierarchy to do so.

Authentic Informal Leaders typically exhibit a set of common traits regardless of the organization or its culture

What is the value to the organization to have an AIL network?

- Spread Critical Few Behaviors (CFBs)
- Encourage adoption of CFBs through informal channels
- Adopt a tinkerer’s love to experiment with solutions
- Provide a “real” pulse of the organization to leadership

What problems do AILs help solve?

- Sounding board to help leadership make important team decisions
- Sharing proof points of culture evolution in action
- Mechanisms to spread behaviors (e.g., brainstorming how AILs could drive awareness & adoption of CFBs)
- AIL network engagement (e.g., stakeholder outreach, how to engage leaders)

TRAINING & GENERAL EDUCATION

Experiential Learning

- (8 lessons identified: understanding CE, creating CE, CE behaviors, CEF playbook/framework, CEF leadership, AIL specific training, Agile, Human Centered Design)
- These sessions will address “What is Customer Engagement?”, build awareness and understanding of the CEF Playbook, and drive adoption of CE behaviors.
- The target audience is specific and should include OPPD leaders across the organization, Authentic Informal Leaders, customer-facing stakeholders, and team members for future CE initiatives governed by the Council
- The goal is to rotate everyone through within the first 6-9 months, over multiple sessions, with involvement of an expanding Authentic Informal Leader network to help drive the sessions (i.e., train-the-trainer approach to amplify behavior adoption).

Micro Learning

- Includes things like podcasts, videos, interactive quizzes, infographics, and other engaging - and often interactive - digital content components.
- The target audience is the broadest set of stakeholders engaged in CE across the organization
- The goal is to reinforce and sustain the organization’s learning and support its ongoing cultural CE-central evolution.
- Content will help showcase and celebrate CE behaviors via stories and recognition of OPPD leaders and employees, while supporting ongoing awareness and upskilling for CE capabilities

Skill / Role Based Learning

- Provides content specifically around a skill used in their daily job. This helps them also connect their role to the broader CE strategy and success. Specific content will be developed and used to support the various roles and skill sets identified. This training can also include training of new processes or technologies acquired.

Mobilization Training

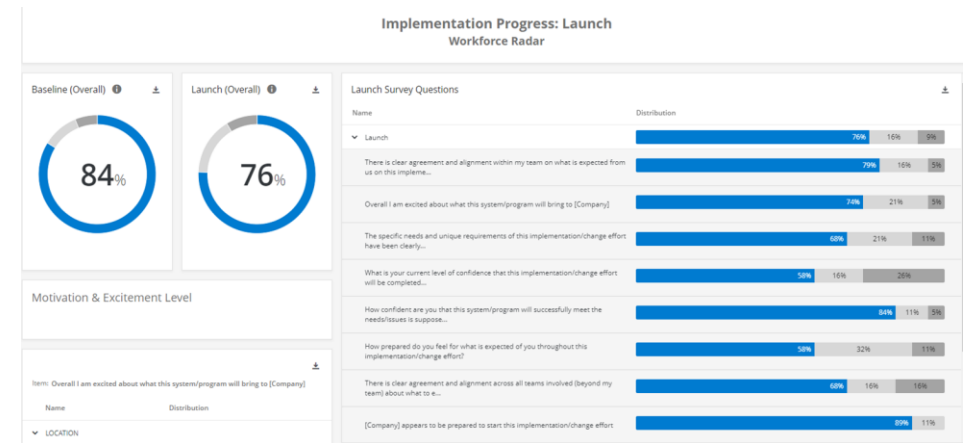
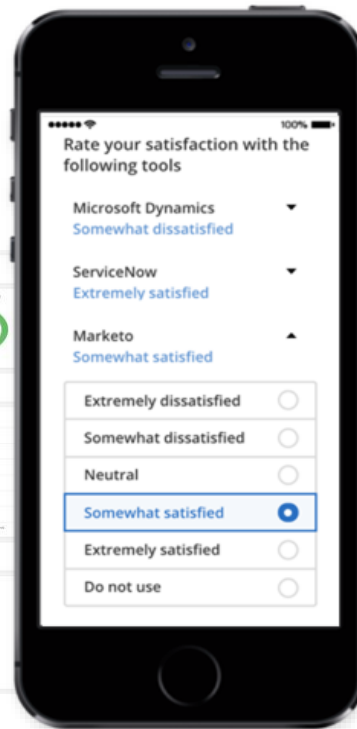
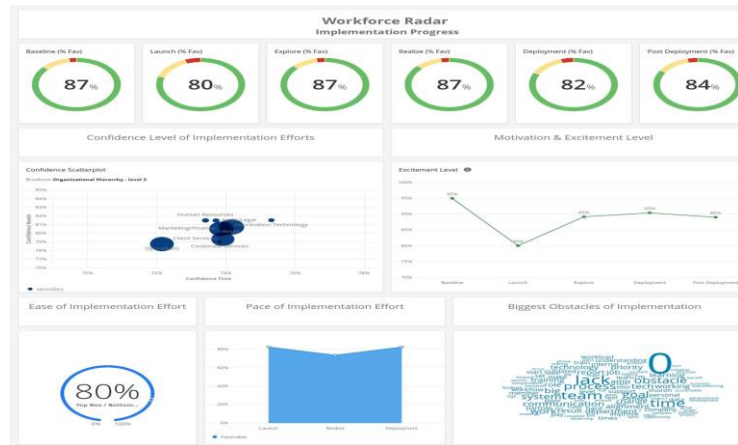
- These are additional just-in-time interactive training sessions in support of specific CE opportunity initiatives across moments that matter that will be prioritized over the roadmap (e.g., manage energy use, youth outreach, issue resolution, outage, etc.).
- The target audience are the individuals on each pilot team involved in a particular initiative. These sessions can be delivered regularly as teams are stood up.
- The goal is to deliver these sessions every three months as part of the pilot team’s ramp-up adoption of the CEF playbook and CE behaviors.

CHANGE RADAR

Communications and Surveys

Item library is configurable for all phases of a digital transformation addressing:

- Program satisfaction/impact
- User feedback
- Development process and cycles
- Team engagement/productivity



Real-time Dashboards

Real-time dashboards giving teams data they need to drive MoC across priority initiatives. Ability to see the adoption of cultural behaviors as progress along the change management journey.

CHANGE COMMUNICATIONS PLAN

- Identified highly-impacted stakeholder groups: Contact Center, Corporate Communications, Customer Sales & Service, Customer Experience, Economic Development & External Relations and Product Development & Marketing
- Crafted an overarching Change Statement for cross-BU leadership alignment
- Developed a structured communications plan for all stakeholder groups across 5 project phases
- Segmented stakeholders into 4 categories for customized approach to content, communications channels, and frequency



Organizational Design



DESIGN GOALS

1 Define roles and responsibilities needed to achieve optimal customer engagement

2 Design for efficient operations, balanced between speed-to-market and quality

3 Create role clarity on operations supporting customer-facing operations

4 Commit to a level of focus on building a sustainable customer organization

ORGANIZATIONAL DESIGN STRATEGY



Capability-Building
and Upskilling



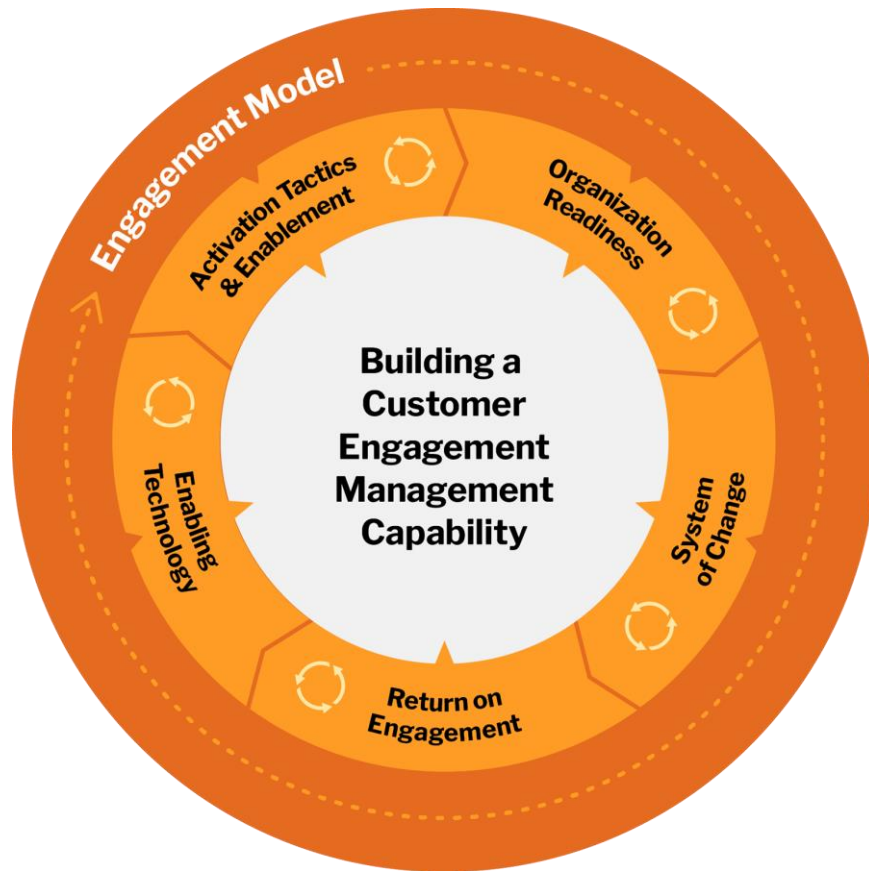
Frequency and
Comprehensiveness of Insights



Engagement Playbook



CAPABILITY MODEL



Activation Tactics & Enablement (AT&E)

- Customer engagement and interaction tactics
- Personas, data and analytics for delivering targeted solutions
- Targeted journeys/lifecycles for developing engagement ideas and tactics

Organization Readiness (OR)

- Pilot and Scale teams design, including transitioning and accountability
- Process- and role-impact identification and management

System of Change (SOC)

- Change management and leadership modelling
- Training and upskilling
- Stakeholder engagement
- Experiential learning and storytelling

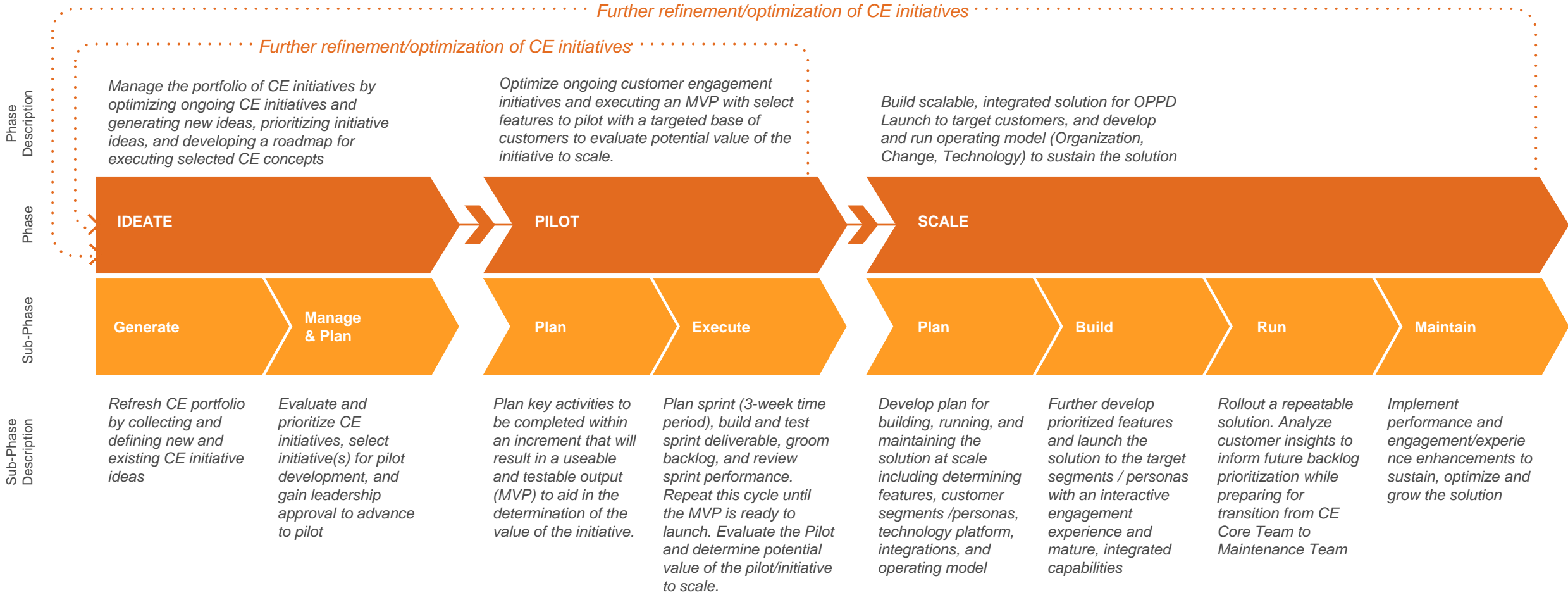
Return on Engagement (ROE)

- Program and initiative metrics and measurement
- Identifying Operational and Engagement data (RoE)
- Creating actionable insight and systems of action

Enabling Technology (ET)

- Assess and enhance CE solutions
- Procure and implement new solution
- Data and analytics (E and O data)
- Scorecarding and measurement

ENGAGEMENT MODEL



THE PATH TO ADVOCACY



A customer becomes aware of the brand, via marketing/advertising efforts or word of mouth

A customer begins to form opinions of the brand, via sustained interaction and/or continued interactions.

An ongoing relationship between brand and customer — necessary to gain brand advocates and ambassadors.

Customer has an affinity for the brand, developed over time via sustained engagement and exceptional experiences.

EXAMPLES

Customer hears radio spot announcing that OPPD is providing free home energy assessments



Customer is provided a free home energy assessment by OPPD; learns about better energy management in the home



Customer subscribes to monthly OPPD newsletter with energy-saving tips; acts upon OPPD's advice



Satisfied customer encourages her friends and family to connect with OPPD to schedule home energy assessments of their own.



Customer 360 Framework



OPPD JOURNEY

Journey to Achieving 360 View of Customers



1. Identify the Customer

- Identify customer golden record
- Track customer interactions across channels
- Integrate customer data across platforms



2. Understand the Customer

- Define and build customer personas and segments
- Understand their behaviors and channel preferences
- Estimate their lifetime value
- Understand loyalty drivers
- Understand their needs and wants



3. Communicate with the Customer

- Determine best engagement channel
- Provide personalized and relevant recommendations on next best product
- Offer contextual digital offers across channels
- Proactively anticipate and address their needs and concerns



4. Empower the Customer

- Provide an integrated view across lines of businesses & channels
- Make it easy for them to interact and transact
- Evoke an emotional response, and deliver on moments that matter



5. Optimize the Engagement

- Track results of engagement efforts and feedback
- Improve the engagement approach through data and analytics
- Refine customer personas and segments to improve individual personalization

CUSTOMER GOLDEN RECORD

Customer feedback, surveys collected across channels

Voice of the District



Append lifestyle variables such as hobbies, interests, media preferences and marketing psychographics

Psychographic



AAID (Android), IDFA (iOS), IP address, IoT signals

Device



Enrich your customer data by knowing the world they live in; roads, shopping areas, weather, traffic conditions

Neighborhoods



Service and engage your customers at the right place and time by tracking mobile location activity

Geolocation



Planned, unplanned outage and field work, appointments, crew status, comments and feedback

Field services



Electric vehicles, solar, community solar, battery storage, microgrid

Beyond the grid



Energy usage, disaggregation insights, peak demands, usage patterns

Energy insights



- ✓ Secure and compliant with customer consent
- ✓ Harmonized and cleaned from different sources
- ✓ Matched, resolved from different identities into a unified customer profile
- ✓ Low latency and can be activated in real-time



Physical Mailing address, service address, meter number, etc.



Party Traditional customers, non-traditional customers, business partners, community partners, governmental partners, 3rd party data partners



Contact Personal email, work email, junk email, home telephone, work phone, mobile phone/SMS



Social Twitter, pinterest, linkedIn, YouTube, Facebook, Instagram



Web/mobile Web browser, search ad clicked, website visits, opened email offer, click-thru to site on mobile



Demographic firmographic Household size, employment data, income level, age, gender, credit risk score, etc.



Transactional Cases, payments, bills, enrollments, complaints, subscriptions, products

A HOLISTIC VIEW OF THE CUSTOMER





Technology Recommendations



INVESTMENTS IN TECHNOLOGY

- Digital Experience (DX) Channels (website & related portals, mobile app)
- Customer Relationship Management (CRM)
- Content Management System (CMS)
- Customer Data Platform (CDP)
- Chatbots and Live Chat Software
- Marketing Automation System
- Consent and Preference Management
- Voice of the District Survey & Listening Tools
- E-Wallet and Digital Payment
- Knowledge Management System
- Text/SMS & Customer Notifications
- Data Configurations, Integrations & API's
- Digital Asset Management (DAM)
- Enterprise Listening
- Descriptive & Predictive Analytics
- Artificial Intelligence (AI)
- Data Visualization
- Cross-Channel Customer Identity
- Live Reviews
- Language Translation
- Blog
- Omni-Channel Marketing
- Work and Inventory Management
- Virtual Assistance & Voice Assistant
- Event Management and Hosting Software and Hardware
- Virtual Reality / Metaverse
- Ecommerce Marketplace
- Gamification and Rewards Management Platforms
- Proposal Management System
- Creative Design Tools
- Advanced Metering
- Asset Maps (outage, streetlight, etc.)



Metrics and Dashboards



RETURN ON ENGAGEMENT



Holistic View of CE Impact

Build a more comprehensive view of the customer across their journey



Combining E + O Data

Compliment operational data with VOC to add speed and context to insights



Establishing Experience Baseline

Build internal and external experience benchmarks across the customer journey



Driving Insights to Action

Identify and act on opportunities to close loop with customers and associates

To create a sustainable competitive advantage, we need to understand, prioritize, and act on experience enhancement opportunities across the end-to-end customer journey

Return On Engagement (ROE)

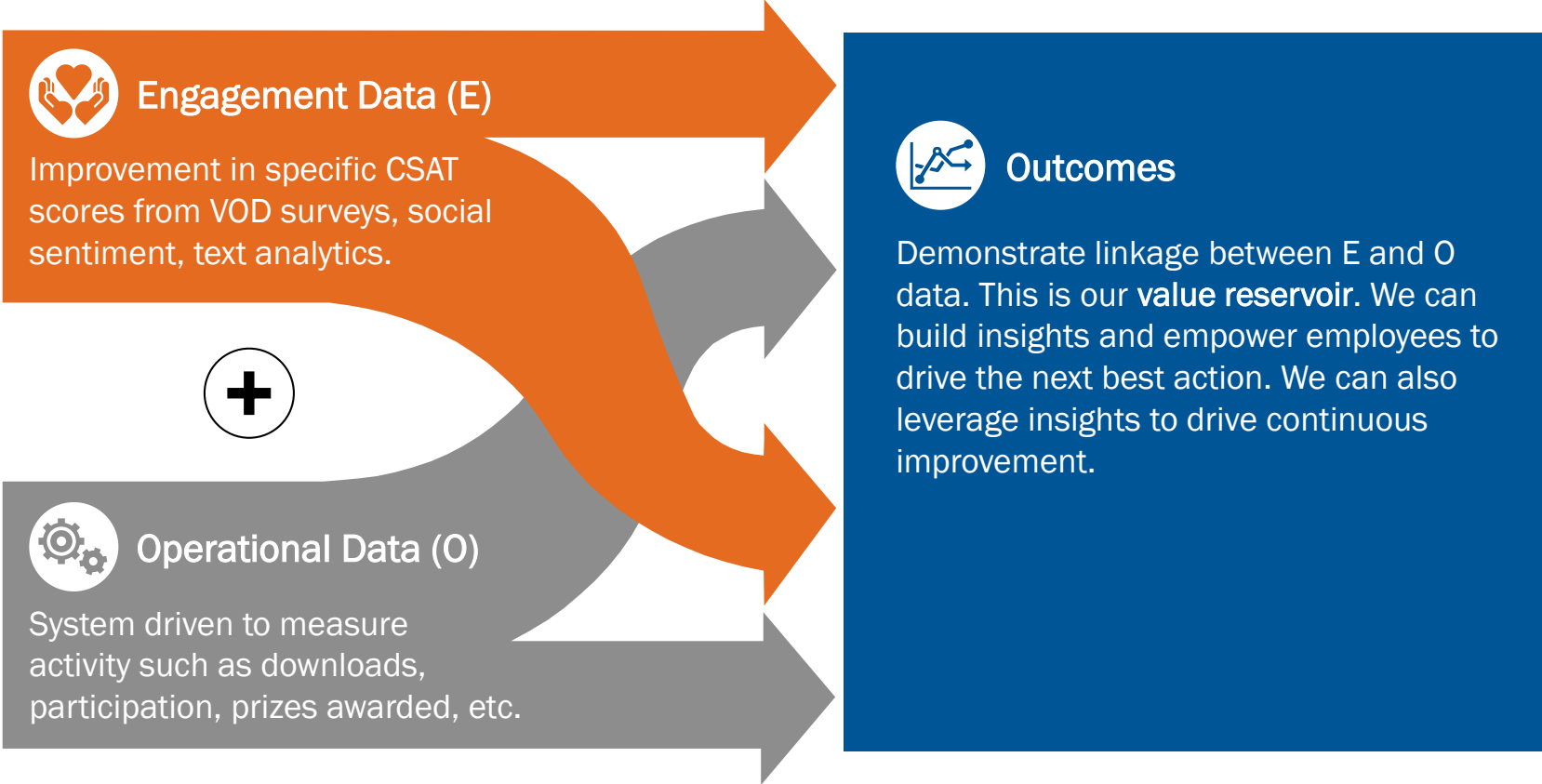
RETURN ON ENGAGEMENT

A system of metrics used for measuring, understanding, and accelerating progress towards business outcomes

Return on Engagement (RoE)

Combining VOD surveys with operational data to build insights and drive continuous improvement toward key outcomes.

Quality x Frequency of Interactions = **VALUE**



CORPORATE MEASURES

ENGAGEMENT

We'll increase engagement across all OPPD channels, resulting in more successful campaigns and better insights.





TRUST

We'll engage with customers in a way that results in building our reputation as a trusted, credible, reliable and transparent brand.

SATISFACTION

We will meet or exceed customer expectations in all the moments that matter.

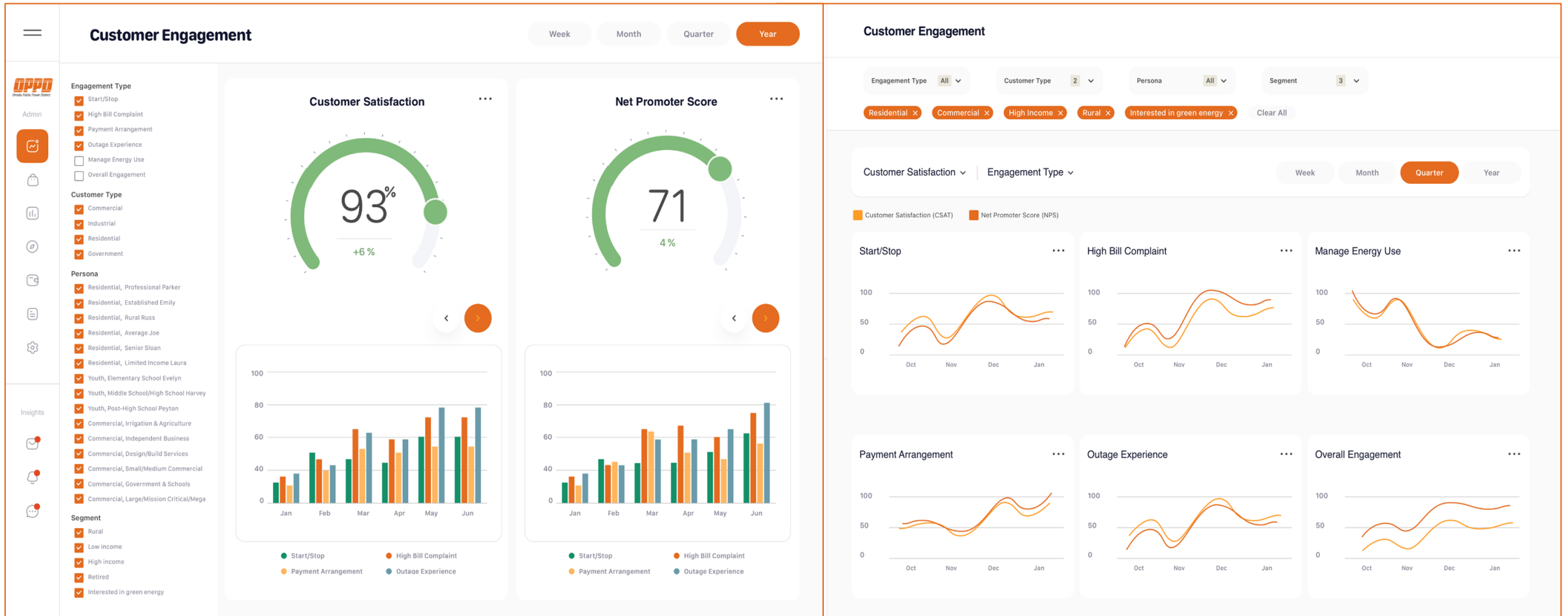
ENERGY BRANDING BENCHMARKING INDEX

 <h3>DIFFERENTIATION</h3> <p>Measures how well the brand differentiates itself from its competitors. Questions relating to uniqueness, brand promise, product offer and the brand's name and logo.</p>	 <h3>SEGMENTATION</h3> <p>Measures how well the brand divides its customers into segments and how well it appeals to each segment. Questions that identify segmenting trends such as age and price sensitivity.</p>	 <h3>PERCEPTION</h3> <p>Measures customer experience. Questions related to elements such as trust towards the brand, perceived experience and reliability, and the level of brand responsibility perceived by customers.</p>	 <h3>SUSTAINABILITY</h3> <p>Measures how the brand is considered to impact the environment and society. Strength of brand associations that relate to sustainability, the environment and corporate social responsibility.</p>
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- 1. Pinpoint key areas of brand growth through scientifically curated customer feedback**
- 2. Differentiate from your competitors and grow your market share**
- 3. Maximise your Marketing ROI**
- 4. Build your Customer-centric Brand**
- 5. Global Comparison of your brand positioning**

ENGAGEMENT DASHBOARD





Personas



WHAT'S DIFFERENT?



The team has identified specific data attributes from the data dictionary to map to the personas so we can continue to gather insights by actual behaviors and continuously optimize and expand in the future.

PERSONAS



Professional Parker



Established Emily



Average Joe



Senior Sloan



**Limited Income
Laura**



Rural Russ



Elementary School Evelyn



**Middle School/ High
School Harvey**



Post-High School Peyton



**Irrigation &
Agriculture**



**Independent Business
/ Mom & Pop**



**Large/ Mission
Critical / Mega**



**Government &
Schools**



**Design / Build
Services**



**Small / Medium
Commercial**



Segmentation & Personalization



PROCESS TO PERSONALIZED JOURNEYS



Moments that Matter	Data & Analytics	Customer Persona	Insights Gathered	Micro-Segmentation	Optimize
<ul style="list-style-type: none"> • Manage Energy Use • Energy Savings Competition • Marketing Outreach Integration 	<p>Identify Engagement and Operational Data for:</p> <ul style="list-style-type: none"> • Level 1 (Enterprise) • Level 2 (Stakeholder) • Level 3 (Initiative) <p>(Including Transactional data, Energy usage data)</p>	<ul style="list-style-type: none"> • Established Emily • Senior Sloan • Elementary School Evelyn • Etc. 	<p>Identify processes and tools to act on data gathered and operationalize via:</p> <ul style="list-style-type: none"> • Customer interactions across web, app, phone, traditional • Engagement with marketing campaigns • Voice of the District (VoD - Surveys, Focus groups) 	<ul style="list-style-type: none"> • Channel Optimization • Retargeting across partner sites • Education • Awareness • Advertisement campaigns • Call-to-action • Download app 	<p>Return on Engagement (ROE) via:</p> <ul style="list-style-type: none"> • Optimize Experience by Segment • A/B/N Testing • Business Goal Refinement



Engagement Prioritization



THE FUTURE OF ENGAGEMENT

