



Power with Purpose Update

April Committee Meeting: Open Session

April 14, 2020



Power with Purpose Solution

Challenges

- Changing generation landscape
- Supporting the needs of our growing communities
- Maintaining reliability and resiliency

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Framework

- OPPD's Mission
Affordable, Reliable
& Environmentally Sensitive
- Strategic Directives
- Legal and Regulatory Obligations

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Solution

- **Large utility scale solar** with natural gas backup
- Modernized natural gas assets; replacement for North Omaha Units 1-3 retirements and Units 4 & 5 refuel to natural gas
- Voltage support device(s)
- Request for Proposal (RFP) results will finalize the modeling conclusions

Benefits

- Ensures OPPD is able to meet the needs of our customer-owners while maintaining affordability, reliability and resiliency.
- Carbon dioxide (CO₂) emissions are expected to be reduced by 80-90% over current North Omaha emissions.
- In total, over our journey from 2010-2024, we estimate a 30% reduction in CO₂ emissions.
- OPPD expects to maintain no general rate increase from these solutions.

Power with Purpose Update Timeline



Power with Purpose Modeling

Integrated Modeling (generation, financial, transmission, etc.)

Solar

RFP process: evaluation, technical review, negotiations

Gas

RFP process: evaluation, technical review, negotiations

Regulatory

SPP Interconnection Application – Deadline April 30, 2020

Regulatory Approvals

State of Utility

*COVID-19 Focus

Delayed due to COVID-19 and moved from in-person presentations to online materials and feedback survey

Phase II Outreach

Potentially Impacted Stakeholder Conversations and Updates

Ongoing stakeholder touch points for generation and transmission siting (as necessary)

March 2020 Progress – Solar

- Proposals being evaluated by multi-disciplinary team against predetermined criterion
- Completed input of solar proposal information in first phase of modeling
- Refining solar inputs for detailed modeling in April

Information as of March 25, 2020

Solar Next Steps: April – May

April

- Conduct detailed modeling
- Continue detailed technical and financial review of proposals
- Submit SPP Generator Interconnection Agreement (GIA) application as required

May

- Continue vendor proposal evaluation and sourcing process

March 2020 Progress – Natural Gas

- Continued evaluation of natural gas supply options
- Conducted detailed technical and financial review of high potential gas generation sites
- Began drafting SPP Generator Interconnection Agreement (GIA) applications
- Continued development of gas generation assets Request For Proposal

Information as of March 25, 2020

Natural Gas Next Steps: April - May

April

- Continue evaluation of natural gas supply options and siting
- Incorporate high potential gas generation sites for detailed modeling
- Submit SPP Generator Interconnection Agreement application

May

- Refine technology specific sections of gas generation assets RFP

Outreach Approach

Phase I – Spring (delay due to COVID-19)

District-wide State of the Utility (moved online)

April-May

Phase II – Spring - Summer

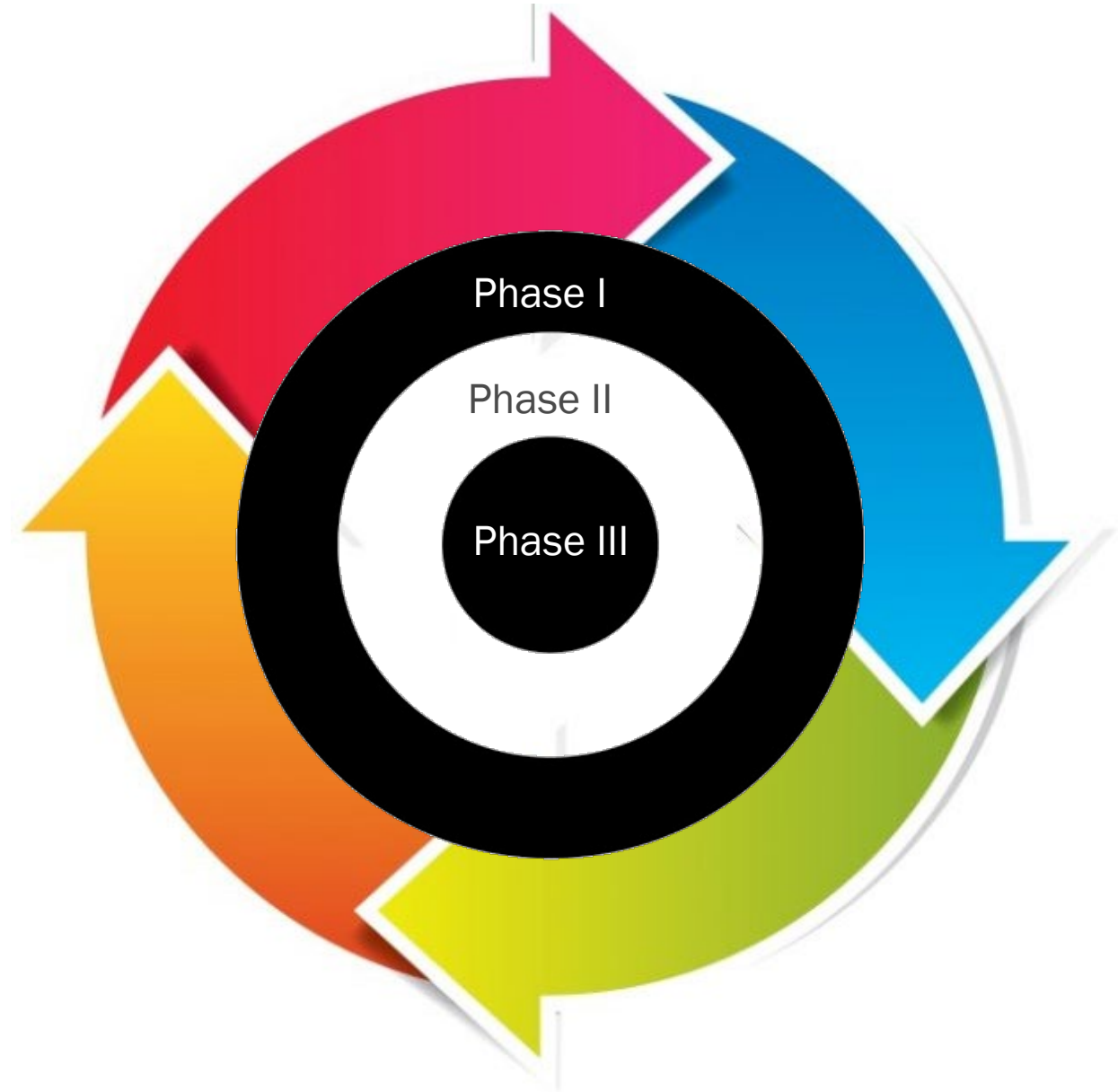
Conversations and Updates with Potential Communities as Modeling Continues

Phase III – Summer - Fall

Engagement with Directly Impacted (i.e. landowners) & Interested (i.e. community leaders)

Ongoing

Outreach and Communication to Close the Loop



Phase I – State of the Utility

Timing – We Adapted!

- Committed to outreach, yet recognize the pandemic is foremost on everyone’s mind.
- In-person meetings moved to online format, including walk through presentation, handout and feedback survey.
- Available April 14 through May 31 on *OPPDListens.com* for customers to view and engage at their convenience.

Purpose

- Update on accomplishments and plans for the future
- Update on Power with Purpose RFP process – bids, modeling – and transparency on next steps and Phase II outreach
- Public Participation goal: IAP2 Goal: Inform/Consult




State of the Utility

Continuing our Journey: 2020 Look Ahead

For over 70 years, OPPD has been where the light starts. We serve more than 846,000 people in 13 counties, making OPPD the 12th largest public power utility in the U.S. While honoring our heritage in public power, we have embraced changes in the energy sector, such as expansion of renewable technologies and a global focus on carbon reduction. **We're proud of our journey and how far we've come, while never losing sight of OPPD's unwavering mission to provide affordable, reliable, and environmentally sensitive energy services to customers.**

Your Energy Partner
OPPD
Omaha Public Power District


There's a lot to look forward to in 2020, including:

- 1 Our people are invested in the communities we serve.**
OPPD employees are active members of the communities we serve. In 2019 alone, employees volunteered thousands of hours.

- 2 We are planning ahead for potential flooding in 2020 to ensure resiliency.**
We're taking important lessons learned from the flooding that occurred in March 2019 and making strategic investments to proactively minimize flood risk in the future.

- 3 We are making smart investments to safeguard energy system reliability.**
Through efforts like tree trimming, LED street lighting, cable upgrades, and transmission and distribution improvements, our employees are committed to keeping the lights on.
- 4 We are grateful to have received \$1.2 million in grants to pilot a 1MW battery storage project...**
OPPD's BRIGHT (Battery Research Innovation Guided by High-Potential Technologies) project, funded by the Nebraska Environmental Trust, will provide innovative research benefiting all Nebraskans. This pilot will test how battery storage will integrate on OPPD's grid and provide insight on how to scale for future applications.
- 5 ...AND to install 10 total electric charging stations at five sites.**
Electric vehicles, coupled with OPPD's continued effort to increase renewable energy use, provides compounding carbon emissions reduction.


Phase I: State of the Utility

What to Expect

- Update employees
- Promote via employees, websites, social media, media contacts, Outlets and advertising
- Email “share” campaign, based on relationships with stakeholders and organizations
 - Elected officials
 - Governmental infrastructure employees
 - Large C&I accounts
 - Economic development organizations and chambers
 - Environmental organizations
 - Community/neighborhood associations

 **We Want to Hear From You**

1. We would like to understand the thoughts and opinions of customers throughout our service territory. **Please share with us which county you are resident of:** (Select one)

<input type="radio"/> Burt	<input type="radio"/> Otoe
<input type="radio"/> Cass	<input type="radio"/> Pawnee
<input type="radio"/> Colfax	<input type="radio"/> Richardson
<input type="radio"/> Dodge	<input type="radio"/> Sarpy
<input type="radio"/> Douglas	<input type="radio"/> Saunders

We Are Listening

Feedback requested on customer’s level of satisfaction and comments on each topic.

Capturing Power with Purpose feedback by County

The ask – “What’s going on in your Communities?”

Phase II: Solar / Natural Gas Outreach

Timing

- Late April through summer
- Continue modeling, analysis and refinement
- Outreach to potential communities based on projects of focus (*full list shown in State of Utility presentation*)

Purpose

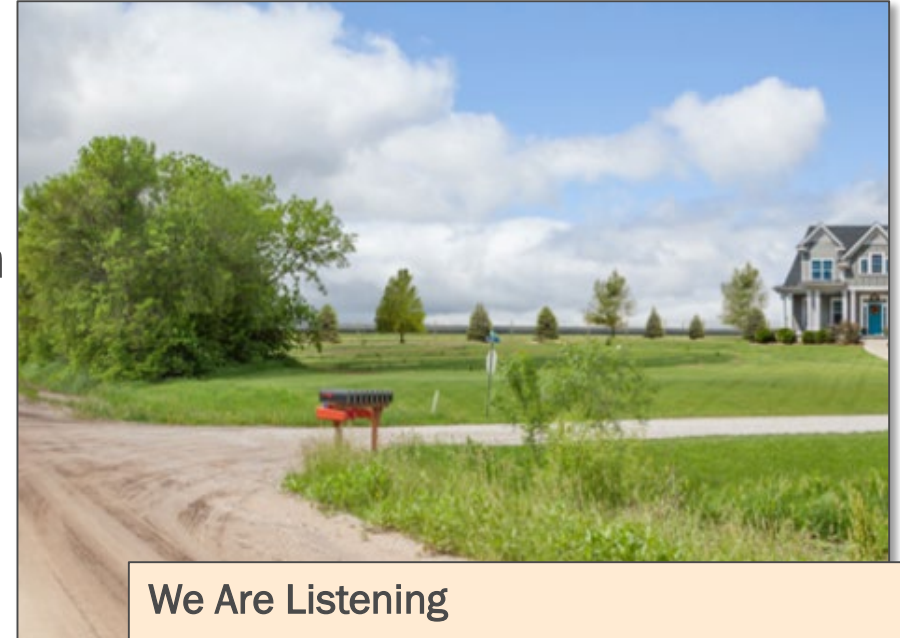
- Solar and Natural Gas education – IF constructed in your community, what can you expect?
 - How it works, how it looks, how big is it, how it will connect to your current infrastructure (substations, transmission, distribution)?
- Public Participation goal/IAP2 Goal: Inform/Consult



Phase II: Solar / Natural Gas Outreach

What to Expect

- Update employees
- OPPD released statement of projects of focus and the counties and upcoming solar and natural gas education opportunities
- 1:1 outreach within the projects of focus and the counties Elected officials, key stakeholders, organizations (*see list slide 12*)
- Virtual meetings in May
- Public and Stakeholder events:
Proactively reach out and seek opportunities to engage at organizational meetings and/or community events
- Engagement Platform:
Online education and feedback via *OPPDListens.com*



We Are Listening

Social listening

Gather feedback across all outreach platforms

Address questions and concerns

Let stakeholders know how input influenced the process

Phase II – Stakeholders

- County Commissioners or Board of Supervisors
- County Clerks
- Natural Resources Districts
- State Senators
- Mayors
- City Administrators
- City Councils
- City Clerks
- Village Boards
- Planning Commissions
- Dept. of Economic Development
- Economic Development Partners
(Chambers, Colleges, Development Councils, etc.)
- Environmental Partners
(NDEE, City, Game & Parks, Fish & Wildlife, etc.)
- Neighborhood Associations
- Special Interest Groups
(Sierra Club, Beyond Coal, Neb. For Solar, OTOC, etc.)
- Service Clubs
(Rotaries, etc.)
- Media
- General Public
- OPPD Board of Directors
- OPPD Employees
- OPPD Retirees
- OPPD Customers
- Development Districts
- NE Dept. of Transportation
- Environmental Protection Agency
- Dept. of Environment & Energy
- Area foundations & misc. orgs.
- Corp. of Engineers

Outreach Approach

- Employee Communications
- Enhanced Engagement Platform
- Websites – OPPD.com, OPPDtheWire, OPPDListens
- Outlets – monthly updates
- Social Media – Facebook, Twitter and LinkedIn
- Media Contacts
- Speakers Bureau – proactively
- Community Events – seek opportunities to engage and educate
- Market Research – Power Panel, Survey
- 1:1 Outreach with Community Partners and Officials
- Other possible promotional opportunities
 - i.e. signage on trucks, mobile solar trailer, car wraps, partner organization acknowledgements

