



HEARTLAND HYDROGEN HUB

DOE Hydrogen Program

2024 Annual Merit Review and Peer Evaluation Meeting

AMR Project ID: OCED004

May 9, 2024

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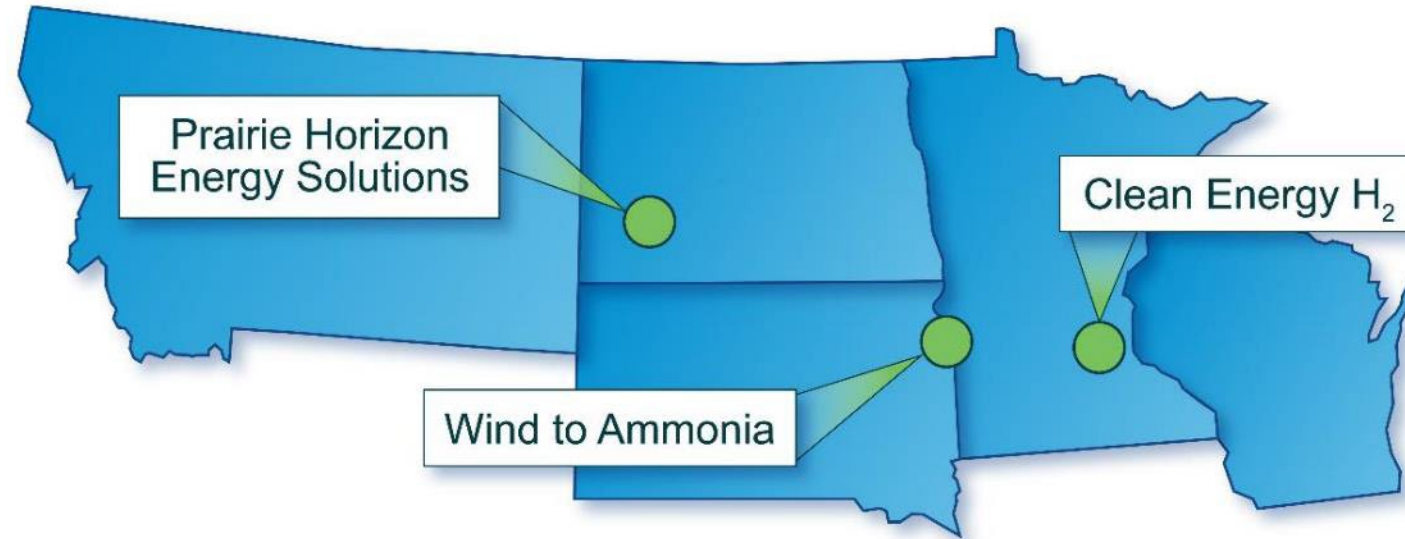
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Any proposed future work is subject to change based on funding levels.

HH2H VISION



TO CATALYZE THE CLEAN HYDROGEN ECONOMY IN THE HEARTLAND OF AMERICA

Mission: *To produce clean hydrogen using diverse technologies, bridge east and west markets with infrastructure, supply multiple end uses in existing regional markets, and provide shared prosperity with local communities and other stakeholders.*



Structural Partnerships



Supportive Policies



Proven, Viable Geology



Link to Enable Regional Interconnectedness



Committed to Community

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HH2H TEAM



PRIME APPLICANT
Heartland Hydrogen Hub, LLC
(Heartland, LLC)
North Dakota Limited Liability Corporation

SUBRECIPIENT
**Energy & Environmental
Research Center
(EERC)**
HH2H Program Management



SUBRECIPIENT
**Prairie Horizon
Energy Solutions LLC**

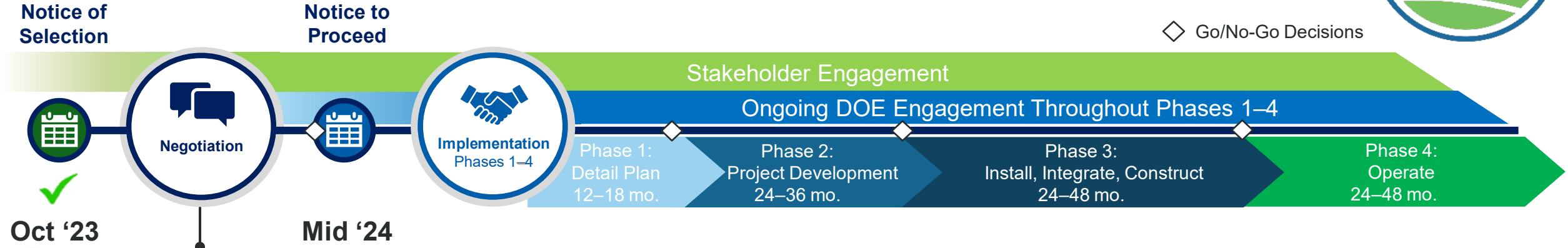


SUBRECIPIENT
Xcel Energy, Inc.



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EARLY STAGES OF DEVELOPING HUB

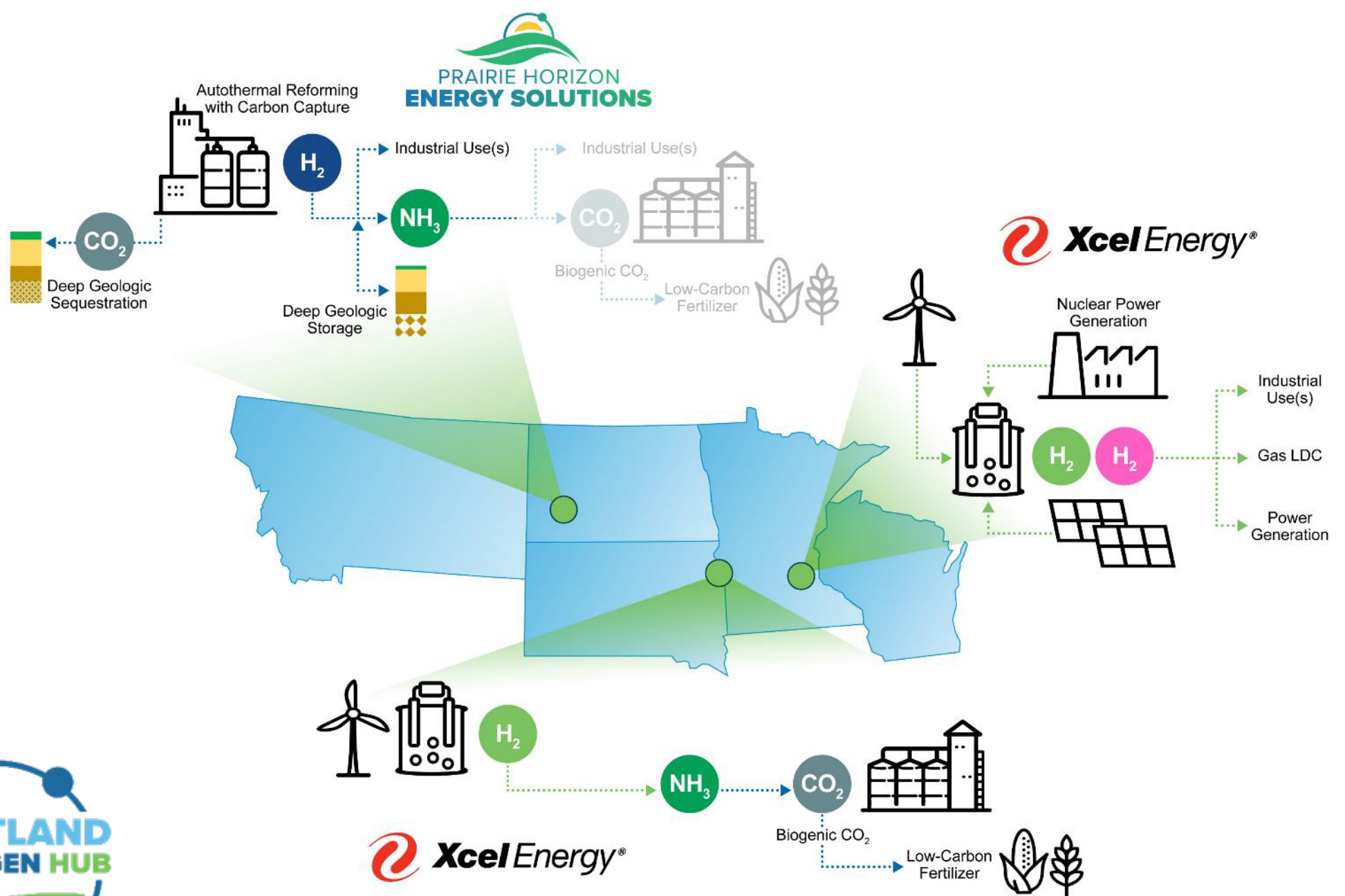


Prior Development and DOE Engagement



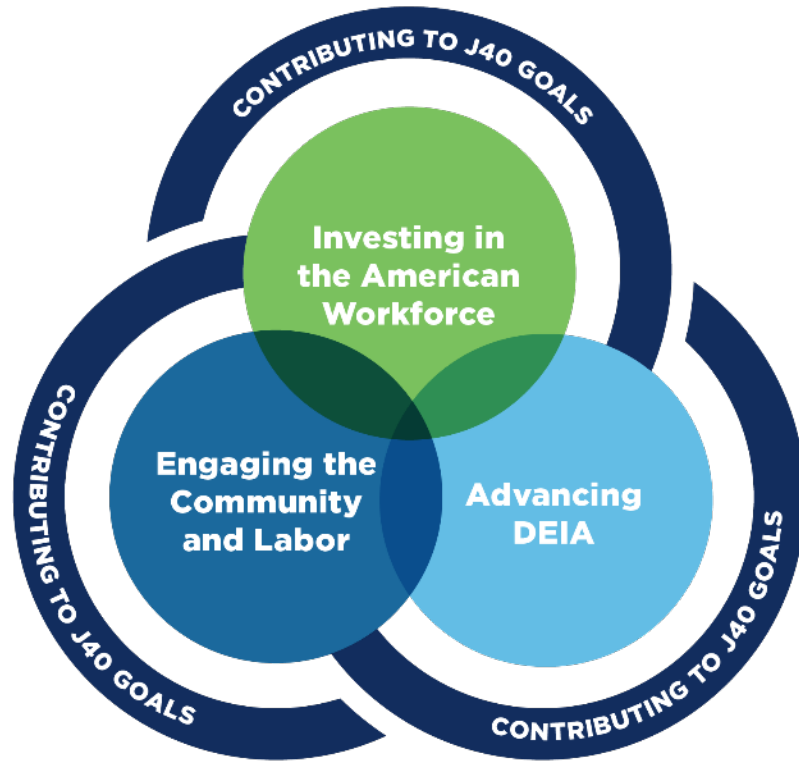
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CLEAN HYDROGEN LIFTOFF



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INTEGRATED AND HOLISTIC COMMUNITY BENEFITS PLAN (CBP)



60 letters of support signed by strategic partners.

Foundation for Community Collaboration

Community and Labor Engagement

Expand and strengthen existing relations with communities, Native Americans, labor, and other stakeholders.

American Workforce

Invest in and develop the talent to drive the low-carbon energy economy in partnership with learning institutions.

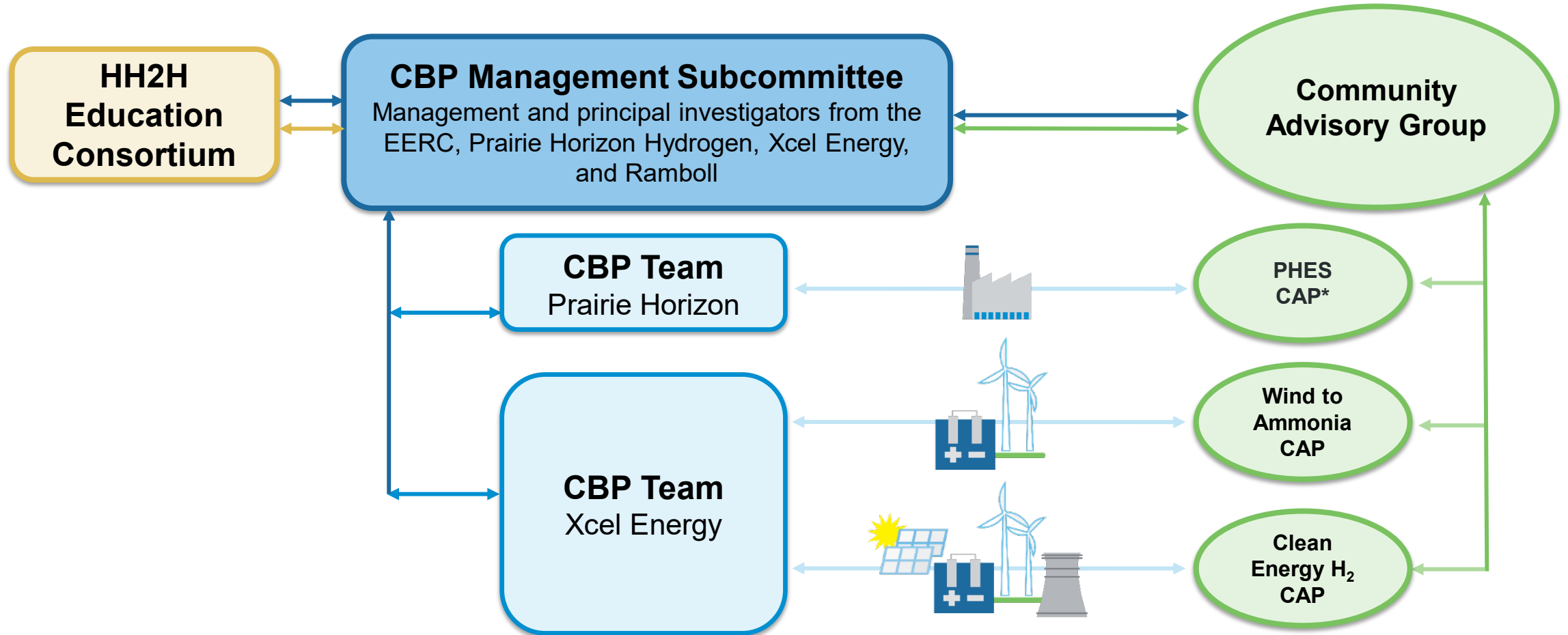
Diversity, Equity, Inclusion, and Accessibility

Advance programs to increase opportunities for small and diverse-owned businesses.

Justice 40

Implement strategies to increase net benefits to disadvantaged and Native American communities.

CBP ORGANIZATIONAL CHART



CBP organization is designed to enable two-way communication and input to project development.

*CAP – Community advisory panel

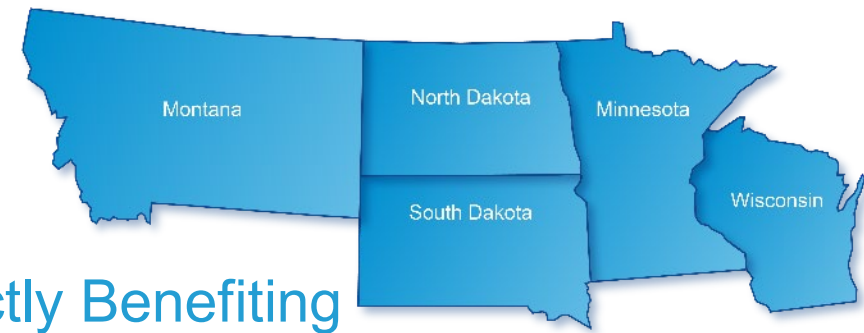
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ANTICIPATED BENEFITS TO LOCAL COMMUNITIES

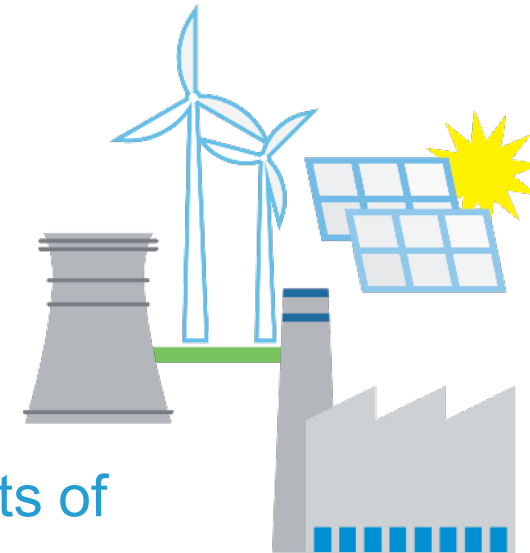
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5 States Directly Benefiting

1000s Quality Jobs Created
(direct and indirect)

Diversification of Energy
Generation and Use



Reduced Environmental Impacts of
Energy Production and Use Across
Multiple Sectors



THANK YOU!

Chad Wocken

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