



U.S. DEPARTMENT OF
ENERGY

BOEM
Bureau of Ocean Energy
Management

West Coast Offshore Wind Transmission



What is Offshore Wind?

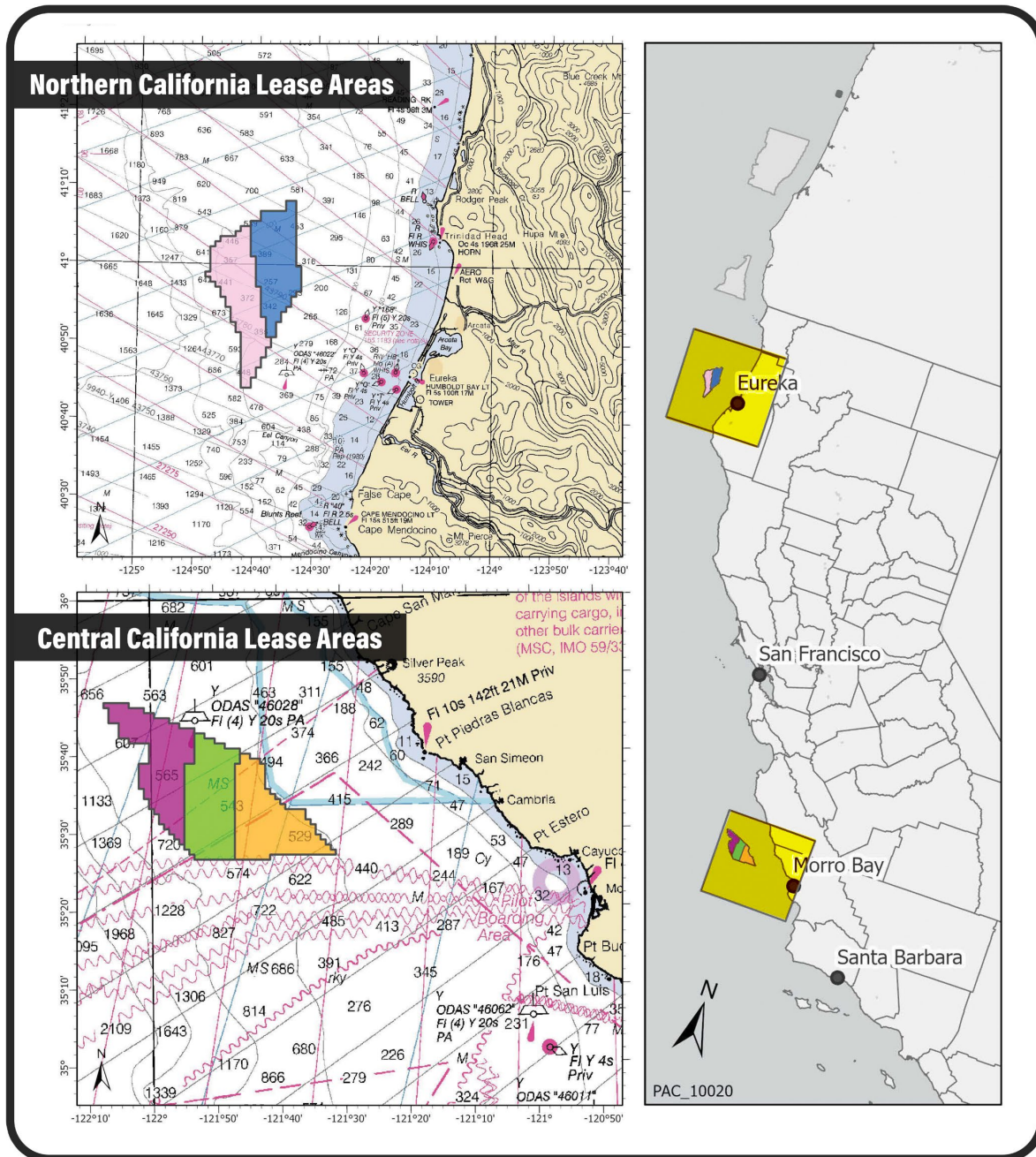
- Wind turbines in the ocean to produce renewable energy
- Energy must be transported to homes, communities, etc.
- West Coast's deep waters require floating platforms (floating offshore wind)
- Some projects delivering energy on East Coast with several more under construction and planning

California OSW

- BOEM held California lease sale in December 2022
- Five companies were awarded leases

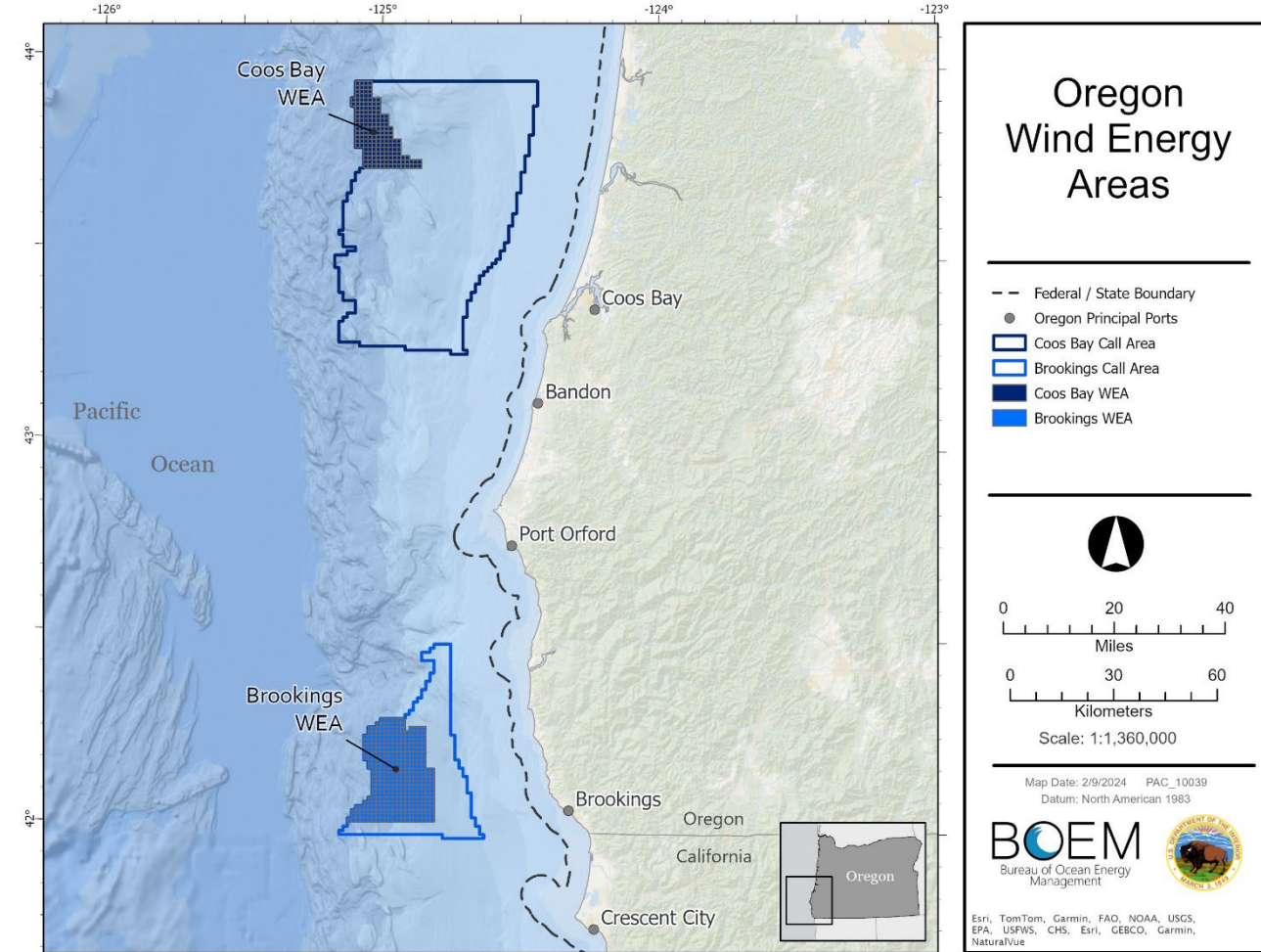
BOEM Area	Area (km ²)	Potential Capacity (GW)
Morro Bay Wind Energy Area	1,033	3.1
Humboldt Wind Energy Area	534	1.6
CA Total	1,567	4.7

[California Activities | Bureau of Ocean Energy Management \(boem.gov\)](https://www.boem.gov/California-Activities)



Oregon OSW

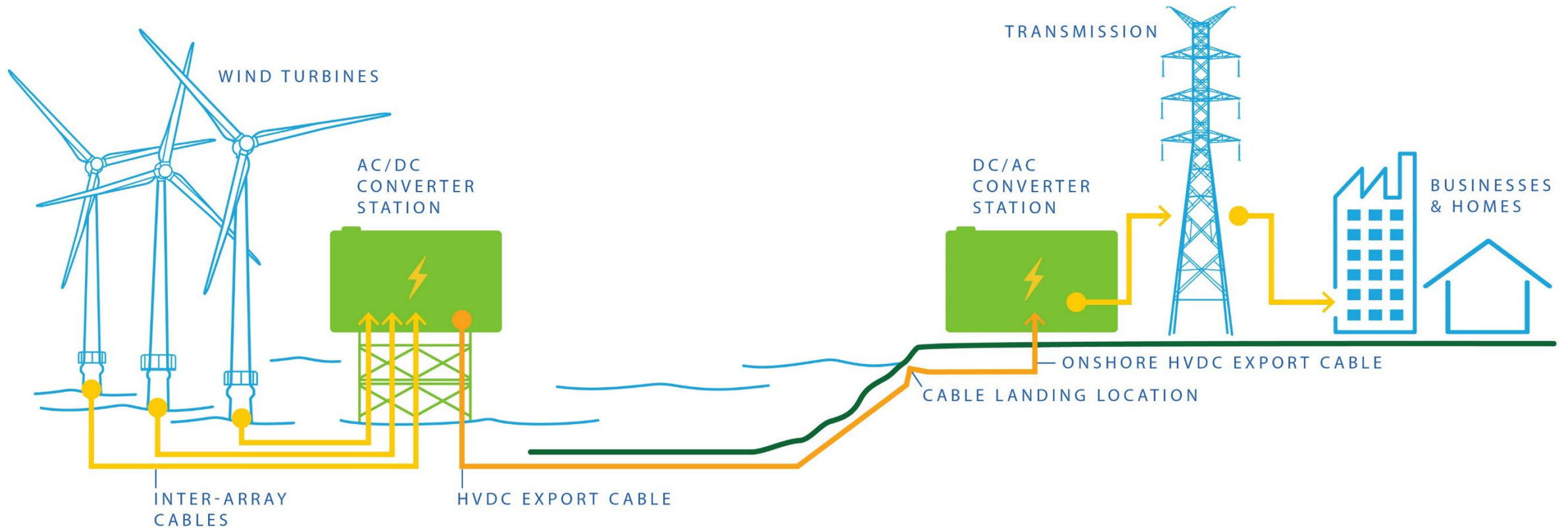
- BOEM designated two Wind Energy Areas (WEAs) in February 2024
- Narrowed down WEAs from original Call Areas through siting suitability modeling process
- Used 30 geospatial data layers to evaluate compatibility



[Oregon Activities | Bureau of Ocean Energy Management \(boem.gov\)](https://www.boem.gov)

OFFSHORE WIND TRANSMISSION COMPONENTS

HVDC EXPORT CABLE



Federal Offshore Wind Transmission Focus



THE WHITE HOUSE

SEPTEMBER 15, 2022

**FACT SHEET: Biden-Harris
Administration Announces
New Actions to Expand U.S.
Offshore Wind Energy**

H.R.5376 - Inflation Reduction Act of 2022

117th Congress (2021-2022)

Section 50153. Interregional and Offshore Wind Electricity
Transmission Planning, Modeling, and Analysis



Floating
Offshore Wind™

DOE's Role

DOE does NOT:

- **Build, own, or maintain** offshore wind generation or transmission.
- **Pay for** offshore wind generation/transmission
- **Decide locations** for offshore wind generation or transmission

DOE's role is to:

- Advance research & conversation
- Support planning efforts – creating recommendations that everyone can use
- Convene governments (Tribal, federal, state, local), stakeholders, etc.
- Grant competitive funding for future transmission projects. Future offshore wind transmission may be eligible to apply for competitive funding.

GDO's Regional OSW Transmission Efforts



Program Overview

- The U.S. Department of Energy's (DOE) **Tribal Nation Offshore Wind Transmission Technical Assistance Program** supports federally recognized American Indian and Alaska Native Tribes and Villages in activities related to the planning and development of U.S. offshore wind transmission projects.
- Through the program, **DOE will offer educational resources, training, and on-call assistance from technical experts** and researchers at the National Renewable Energy Laboratory (NREL). **Funds for Tribal member and staff participation** in key offshore wind transmission forums are also available through the program.





Educational Resources

Educational events, webinars, in-person and virtual presentations for Tribal members and staff will cover topics such as transmission designs, available technologies and supply chain, siting and permitting, interconnection process, and related cultural and environmental impacts.

Webinar: April 10th

Tribal focused webinar to learn more about offshore wind transmission technologies planning, resources and more!





Expert Match

The planning and permitting for offshore wind transmission can be a complex, multi-year process. Expert Match enables Tribal members and staff to consult with national laboratory experts to leverage expertise and resources to better understand and respond to offshore wind transmission proposals. Following an initial consultation, Tribes receive customized information in the form of data, modeling and analysis support, policy and regulatory review, and more.





Participation Support

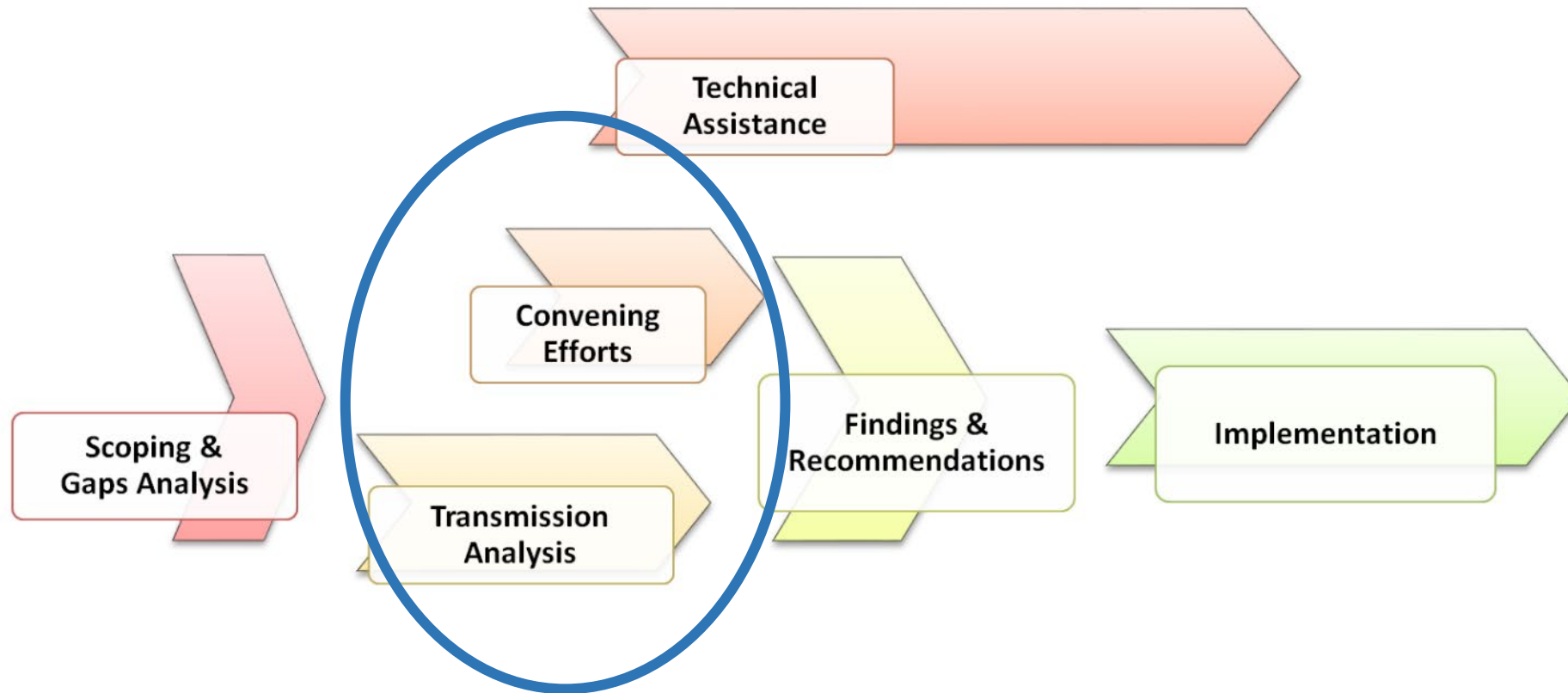
It is *critical* that Tribal perspectives are **represented** and **understood** in offshore wind planning efforts, but inadequate financial resources can be a barrier to Tribal participation.

Through Participation Support, Tribal members and staff can request funding to participate in offshore wind transmission-related discussions and events.

Eligible events may include those hosted by federal or state agencies and/or national laboratories. Events must have an offshore wind transmission component.



West Coast OSW Transmission Planning Workflow



Convening Series



Goal: Develop offshore wind transmission recommendations for the West Coast

Approach: Hold workshops to hear from wide range of governments, subject matter experts, industry, etc.

Timeframe: Throughout 2024, ending early 2025

Convening Series

What It Is

What It Isn't

Objective



Opportunity to think about and discuss future transmission system for OSW



Not prescribing actions, building consensus, or creating mandates

Methods



Collect input through conversations and Convening Workshops



Not a formal solicitation or government-to-government consultation

Output



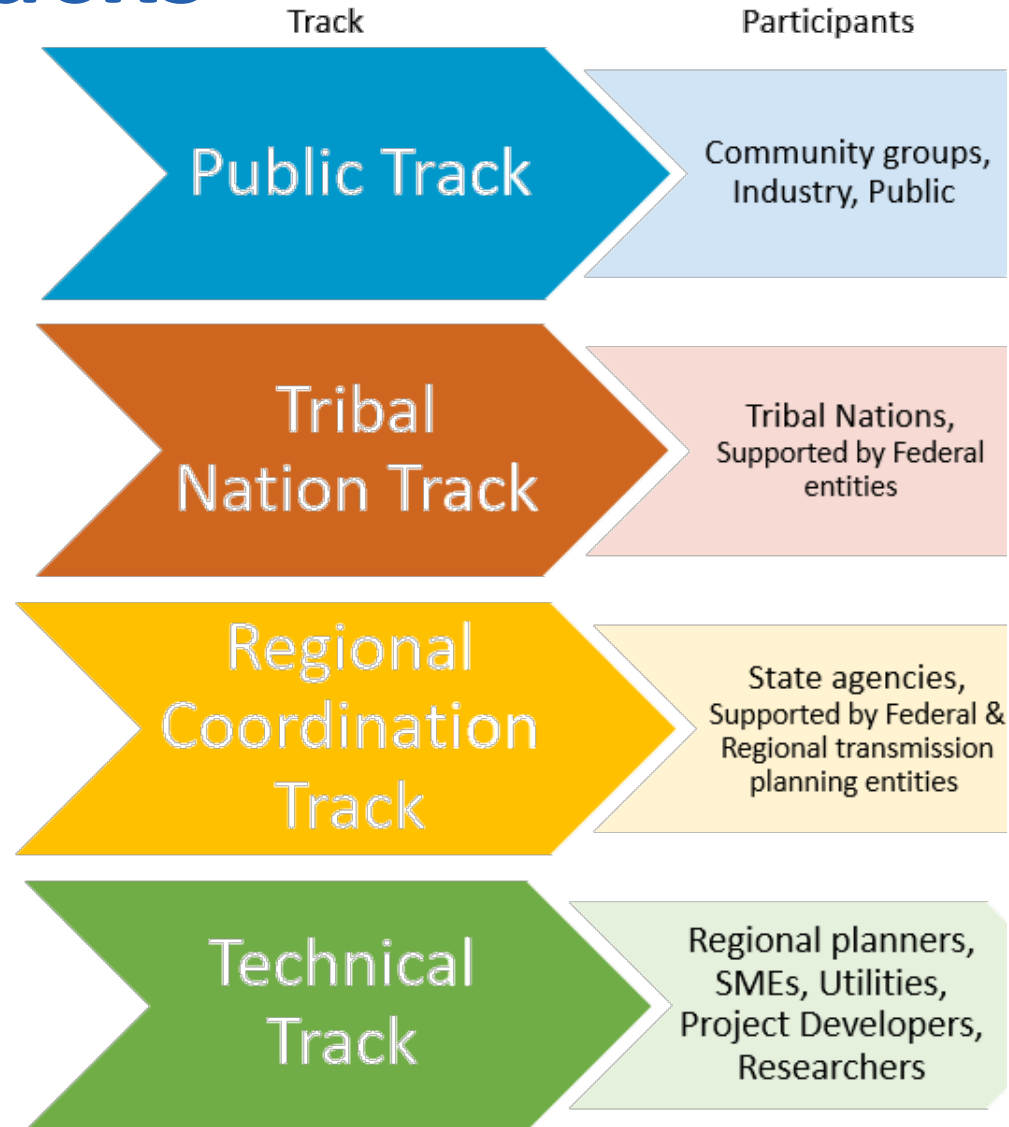
Recommendations published in OSW Transmission Action Plan



Not a regulatory action; not a siting decision

Convening Tracks

The convening series has four distinct tracks that focus the conversation on relevant topics:



Tribal Nation Track

Goals:

- Understand needs, concerns, and benefits related to OSW transmission
- Recommend actions to support equitable distribution of transmission development benefits to Tribal Nations

~~In-Person Listening Session~~

- Ahead of DOE Tribal Clean Energy Summit
- February 26, 3:00-5:00 PM at Pechanga Resort Casino, Temecula, CA

~~Workshop at DOE Tribal Clean Energy Summit~~

- February 27
- Part of Summit agenda
- Share input on transmission topics

Virtual Listening Session

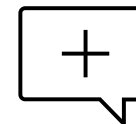
- March 7, 9:00-11:00 AM PT
- Hosted via WebEx + Phone

Additional workshops to be added based on feedback received.

Pre-Results Workshop for Tribes

- TBD, late 2024

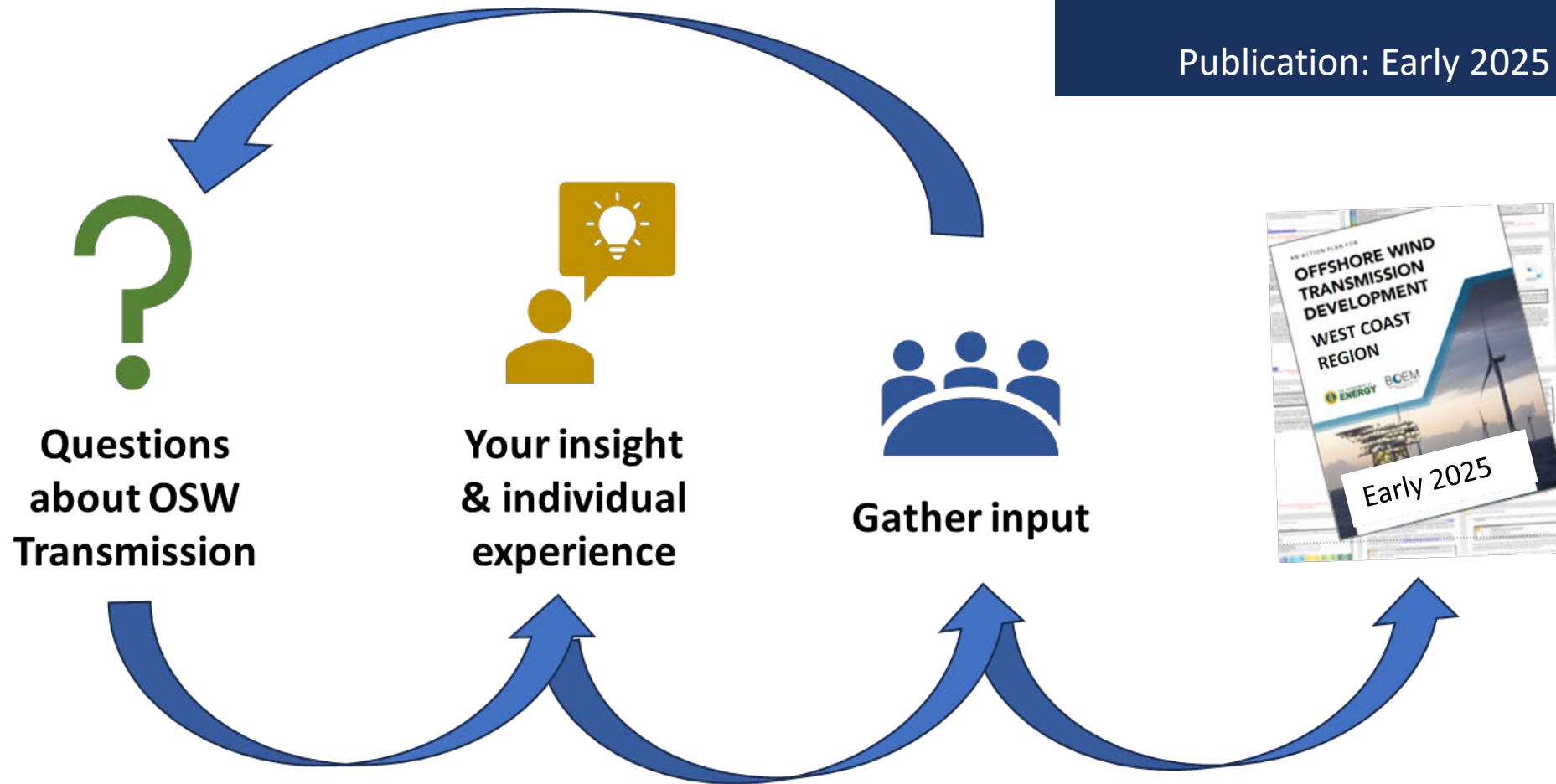
Talk with us at conferences



How will input be used?

Convening series and any input gathered will inform eventual Action Plan recommendations made by DOE and BOEM

Publication: Early 2025



Ways to Provide Input on Transmission



- Participate in **listening sessions** (Feb. 26 in-person, March 7 virtual option)
 - Listening sessions are a chance to share insights and help shape future events
- Participate in **workshops**
 - Workshops will allow a deeper dive into transmission topics
 - We will schedule future workshops based on feedback
- **Email us input anytime at OSWTransmission@hq.doe.gov**
- Provide verbal feedback today or at future sessions

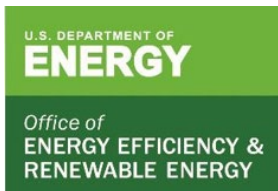
Q&A



www.energy.gov/gdo/offshore-wind-transmission-federal-planning-support



OSWTransmission@hq.doe.gov



U.S. DEPARTMENT OF THE INTERIOR



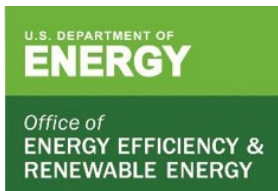
Thank You



www.energy.gov/gdo/offshore-wind-transmission-federal-planning-support



OSWTransmission@hq.doe.gov



U.S. DEPARTMENT OF THE INTERIOR

