

# Low Carbon Energy Project Siting Improvement Study

Advisory Board Meeting  
January 5, 2022



# Objectives

- Provide overview of state mapping efforts and resources to inform the design of a tool to support low-carbon energy project siting
- Identify other mapping efforts relevant to this work
- Discuss Advisory Board member insights about desired uses, design, and data content of a low-carbon energy project siting mapping tool prototype

*Please note this meeting is being recorded; the recording and all slides will be posted to Ecology's project website*



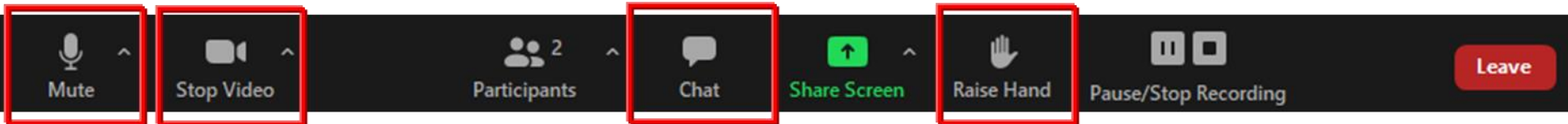
# Agenda

- State Updates
- State Agency Mapping and Resources Relevant to Low-Carbon Project Siting
- *Break (2:30-2:45)*
- Other Mapping Tools and Resources
- Discussion of Mapping Resources (Breakout sessions)
- Wrap up and Next Steps
- Public Comment (4:15)



# Participating Effectively via Zoom

- To reduce background noise, please mute yourself when you are not speaking
- Advisory Board members please show your video
- If you have questions or ideas to share during presentations, please chat them to the group, and we can address them during the Q&A and discussion time
- During discussions, please let us know you'd like to jump in by "raising your hand"



# Public Participation

- This meeting will be recorded and posted on the Ecology website: <https://ecology.wa.gov/Air-Climate/Climate-change/Greenhouse-gases/Reducing-greenhouse-gases/Clean-Fuel-Standard/Low-carbon-energy-siting>
- Members of the public will be muted, off video, and off chat until public comment
- Members of the public may observe breakout discussions
- There will be an opportunity for 2-minute public comments at the end of the meeting. At that time, members of the public who would like to comment should raise their hands if they would like time to speak
- You may also submit comments at the e-comment site: <https://sea.ecology.commentinput.com/?id=tiufU>



# Schedule of Future Meetings

- **February 9**, 1:00-3:00 PM: *Pre-application assistance and information*
- **March 16**, 1:00-5:00 PM
- **April-December**: Second Wednesdays, 1:00-5:00 PM



# Quick Ice Breaker

- What are you most looking forward to in 2022?

*Please use Zoom chat to respond*





# State Updates





# State Agency Mapping and Resources Relevant to Low-Carbon Project Siting

# State Agency Mapping and Resources Relevant to Low-Carbon Project Siting

- **Introduction**, *Diane Butorac, Ecology*
- **Ecology Data Viewers**, *Brad McMillan, Ecology*
- **Compatible Energy Siting Assessment (CESA)**, *Benjamin Serr and Dave Andersen, Commerce*
- **Data Categorizations, Examples and Platforms for Sharing Data**, *Joanne Markert, Office of the Chief Information Officer (OCIO)*
- **Siting Study Mapping Tool Prototype**, *Christopher Clinton, Ecology*
- **Marine Spatial Plan**, *Casey Dennehy, Ecology*





Break



# Other Mapping Tools and Resources

# Other Mapping Tools and Resources

- **Columbia Basin Least Conflict Solar Siting**, *Karen Janowitz, Washington State University Energy Program*
- **Power of Place Mapping**, *Justin Allegro, The Nature Conservancy*

*Are Advisory Board members or public observers aware of other mapping resources/efforts that can inform this work?*





# Discussion of Mapping Resources

# Breakout Sessions

- ~30-minute small group discussions followed by report-outs and discussion
- Members of the public invited to observe breakouts



# Breakout Sessions: Discussion Questions

- *How do you see yourself and others using a mapping tool—when and for what purpose?*
- *How simple or complex should a tool be?*
- *What information in a mapping tool would be most valuable to support siting, environmental review, permitting, understanding of tribal treaty rights and cultural resources processes, and consideration of highly impacted communities?*





# Spatial Data Layers: Full List

- City and county boundaries, urban growth areas\*
- Tribal reservation lands\*
- Public lands, including state and federal forests, parks, aquatic parcels and other managed lands\*
- Township/range/section
- Land elevation and bathymetry (water depth)
- Highways and railways\*
- Non-military airports\*, ports (point data, not property boundaries)
- Marine vessel routes
- Department of Health Environmental Health Disparities (EHD) data
- Census data
- Nonattainment areas for air quality
- Department of Archaeology and Historic Preservation cultural resource potential\*
- Areas of tribal interest
- National Hydrography Data (NHD)\*
  - Streams
  - Lakes/Ponds
  - Wetlands
  - Coastline, estuaries
- Watersheds (hydrologic units)
- FEMA flood maps
- Sea level rise
- Shoreline Management Act jurisdictions
- U.S. maritime limits & boundaries
- Pipelines\*
- Electric transmission lines\*
- Refineries, power plants, natural gas processing facilities\*
- Solar and wind potential\*
- Current and future wind and solar project locations\*
- Economic levels in certain areas needs to be included in mapping tools.

*\*Layers also in the Compatible Energy Siting Assessment (CESA) prototype tool*



# Wrap Up & Next Steps

# Next Meeting: Feb 5, Pre-application assistance and information

- *What would it take to improve understanding and clarify expectations about permitting and review processes for low-carbon facilities?*
- *What would it take to have more robust initial proposals for low-carbon facilities to support review and permitting processes?*





# Public Comment

# Instructions for Public Comment

- Members of the public that are interested in making 2-minute statements are invited to do so
- Please use Zoom to raise your hand if you would like to make a statement, and you will be unmuted
- Please introduce yourself
- To the extent possible, please frame remarks as comments rather than questions
- Written statements can be sent to the e-comment site:  
<https://sea.ecology.commentinput.com/?id=tiufU>

