Goals

Ecology data viewer applications

• Provide overview of existing Ecology data viewer applications
• Discuss functionality for the siting mapping tool prototype
• Discuss how people might use a siting mapping tool

Discuss geographic information system (GIS) spatial data layers

• Provide examples of existing layers
• Provide examples of layers with data challenges
• Discuss potential other layers for a siting mapping tool
An overview and demonstration of existing similar applications

- Coastal Atlas
- Water Quality Atlas
Spatial Data: Geographic Layers

• 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)

*Layers also in the Compatible Energy Siting Assessment (CESA) prototype tool
Spatial Data: Transportation Layers

• Highways and railways*
• Non-military airports*, ports (point data, not property boundaries)
• Marine vessel routes
Spatial Data: Equity & Environmental Justice Layers

- Department of Health Environmental Health Disparities (EHD) data
- Census data
- Nonattainment areas for air quality
Spatial Data: Publically Viewable Cultural & Historic Layers

- Department of Archaeology and Historic Preservation cultural resource potential*
- Areas of tribal interest
Spatial Data: Water & Wetland Layers

- 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
Spatial Data: Land Use Layers

- Agricultural lands
- Toxic cleanup sites

- City/County zoning data challenges
Spatial Data: Publically Available Utility Layers

- Pipelines*
- Electric transmission lines*
- Refineries, power plants, natural gas processing facilities*
Spatial Data: Clean Energy Layers

• Solar and wind potential*
• Current and future wind and solar project locations*
Spatial Data

What else would you like to see in a siting application?
Thank you

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