

## Study 1: Background

- Large components of offshore wind turbines restrict overland transportation options



- Need for port facilities that can handle the needs of commercial offshore wind development



- Federal, state, and local stakeholders need to understand the environmental and social consequences of port expansion and changes in operations



# Study 1 Objectives

- Improve our understanding of current port capacity, specifically ones that could handle offshore wind
- Improve BOEM's assessment of environmental and social consequences from modifications to ports
- Understand fully the socioeconomic and environmental consequences of alterations to port operations
- Determine effectiveness of potential mitigations measures for the environmental and social impacts of these port modifications



- Identify suitable ports and the necessary port expansions and improvements
- Extrapolate environmental and social consequences based on analysis of similar & historical port changes, improvements, and expansions
- Incorporate projections from Panama Canal Expansion
- Identify potential mitigation measures and analyze their effectiveness when implemented for similar projects

