



# Renewable Energy Overview

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March 17, 2021



# BOEM's Mission Responsibilities



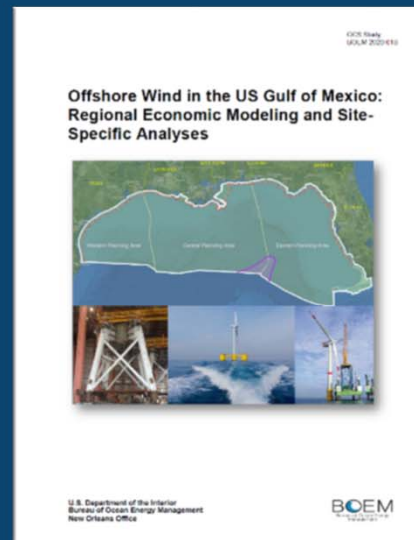
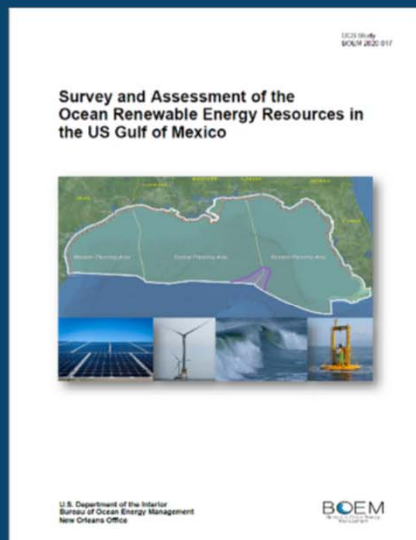
# Outer Continental Shelf Renewable Energy

## Agenda

- Background
- Renewable Leasing Process
- Task Force
- Next Steps



# BOEM Sponsored Two NREL Studies on Gulf of Mexico (GOM) Through an Interagency Agreement – Published 2020



## Special Acknowledgements:

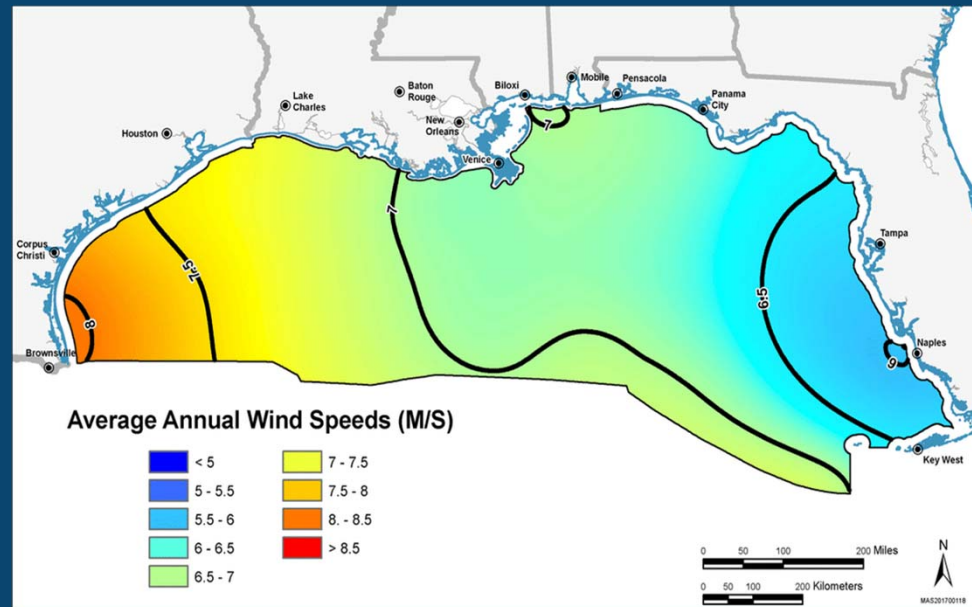
- **Mike Celata**, BOEM's GOM Regional Director
- **Rebecca Green** for initiating the project
- **Andrea Heckman** the BOEM project manager
- **Tershara Matthews**, current coordinator

Musial W, Tegen S, Driscoll R, Spitsen P, Roberts O, Kilcher L, Scott G, and Beiter P (National Renewable Energy Laboratory and the Alliance for Sustainable Energy, LLC, Golden, CO). 2019. Survey and assessment of the ocean renewable resources in the US Gulf of Mexico. New Orleans (LA): Bureau of Ocean Energy Management. Contract No.: M17PG00012. Report No.: OCS Study BOEM 2020-017. [https://epis.boem.gov/final%20reports/BOEM\\_2020-017.pdf](https://epis.boem.gov/final%20reports/BOEM_2020-017.pdf)

Musial W, Beiter P, Stefek J, Scott G, Heimiller D, Stehly T, Tegen S, Roberts O, Greco T, Keyser D (National Renewable Energy Laboratory and the Alliance for Sustainable Energy, LLC, Golden, CO). 2020. Offshore wind in the US Gulf of Mexico: regional economic modeling and site-specific analyses. New Orleans (LA): Bureau of Ocean Energy Management. 94 p. Contract No.: M17PG00012. Report No.: OCS Study BOEM 2020-018. [https://epis.boem.gov/final%20reports/BOEM\\_2020-018.pdf](https://epis.boem.gov/final%20reports/BOEM_2020-018.pdf)

# Gulf of Mexico Renewable Energy

- Louisiana Governor Edwards requested a Task Force on October 26, 2020.
- December 2020, Gulf of Mexico Region responded to the LA Task Force Request Letter with a region-based Task Force approach. Initial GOM Regional Task Force Meeting is tentatively scheduled for June 2021.
- Conducting outreach and engagement to collect data and information.
- Advantages: Proximity to oil and gas supply chain – leverage existing capabilities
- Challenges: Hurricanes – major hurricanes could increase turbine and substructure



# BOEM Renewable Energy Authorization Process



## Planning & Analysis

~ 2 YEARS

- Intergovernmental Task Force
- Request for Information or Call for Information and Nominations
- Area Identification
- Environmental Reviews



## Leasing

~ 1-2 YEARS

- Publish Leasing Notices
- Conduct Auction or Negotiate Lease Terms
- Issue Lease(s)



## Site Assessment

UP TO 5 YEARS

- Site Characterization
- Site Assessment Plan



## Construction & Operations

~ 2 YEARS (+25)

- Construction & Operations Plan
- Facility Design Report and Fabrication & Installation Report
- Decommissioning
- Environmental and Technical Reviews



# What is a Renewable Energy Intergovernmental Task Force?

- **OCSLA** requires **coordination** with the Governor of any **affected State** [30 CFR 585.102(e)]
- Initiated by a state Governor request to BOEM
- Coordination and **information exchange** with governmental partners
- Members include elected officers of state, local, and tribal governments and federal officials



## Task Force Purpose

- What are the states' objectives?
- Energy procurement goals?
- Energy technology
- Timeline?

	Renewable Goals	Offshore Wind Goals (MW)	Offshore Wind: "Offtake" Awarded (MW) + Scheduled (MW)		
<b>Massachusetts</b>	35% by 2030	3,200	1,600	+	0
<b>Rhode Island</b>	100% by 2030	unspecified	430	+	0
<b>Connecticut</b>	48% by 2030	2,300	1,108	+	0
<b>New York</b>	70% by 2030	9,000	1,826	+	2,500
<b>New Jersey</b>	50% by 2030	7,500	1,100	+	2,400
<b>Maryland</b>	50% by 2030	2,000	368	+	1,200
<b>Virginia</b>	30% by 2030	5,212	12	+	0
<b>TOTAL</b>	--	<b>28,612 MW</b>	<b>12,544 MW</b>		



# Who is Involved?

- Task Force is chartered under an exception to the **Federal Advisory Committee Act (FACA) 41 CFR § 102-3.40(g)**
- Members limited to “full-time or permanent part-time officers or employees of the Federal Government and elected officers of State, local and tribal governments (or their designated employees with authority to act on their behalf), acting in their official capacities.”
- If you do not meet this definition, you can still attend and observe the meeting.

	Do I Meet the Task Force Definition?	
	Yes?	No?
Participate in the meetings?	✓	--
Listed on the Task Force Roster?	✓	--
Provide public input?	✓	✓



## Who is Involved?



### Federal

- USACE, NOAA, DOD, USCG, DHS, USFWS, EPA, DOE, FCC, DOT, OMB, CEQ, FAA, DOC, FERC, etc.

### State

- State officials, coastal and environmental organizations
- Elected officials

### Local

- Elected officials

### Tribal

- Federally recognized tribes



## Task Force Roster

**The membership list should include the following persons (or their designated representative):**

- Representatives of state(s), including the State Historic Preservation Officer and the local port authority
- Representatives of local government
- Representatives of affected federal agencies
- Representatives of federally recognized tribes who may be affected, including tribes with ancestral, religious, or cultural ties to the area



# Intergovernmental Renewable Energy Task Force Charter

## Why a Charter?

- Establishes the Task Force

## Clarifies the:

- Purpose
- Authority
- Membership
- Roles and Responsibilities
- Communication



Revision Date:  
Dec. 3, 2019

### Gulf of Maine Intergovernmental Renewable Energy Task Force Charter

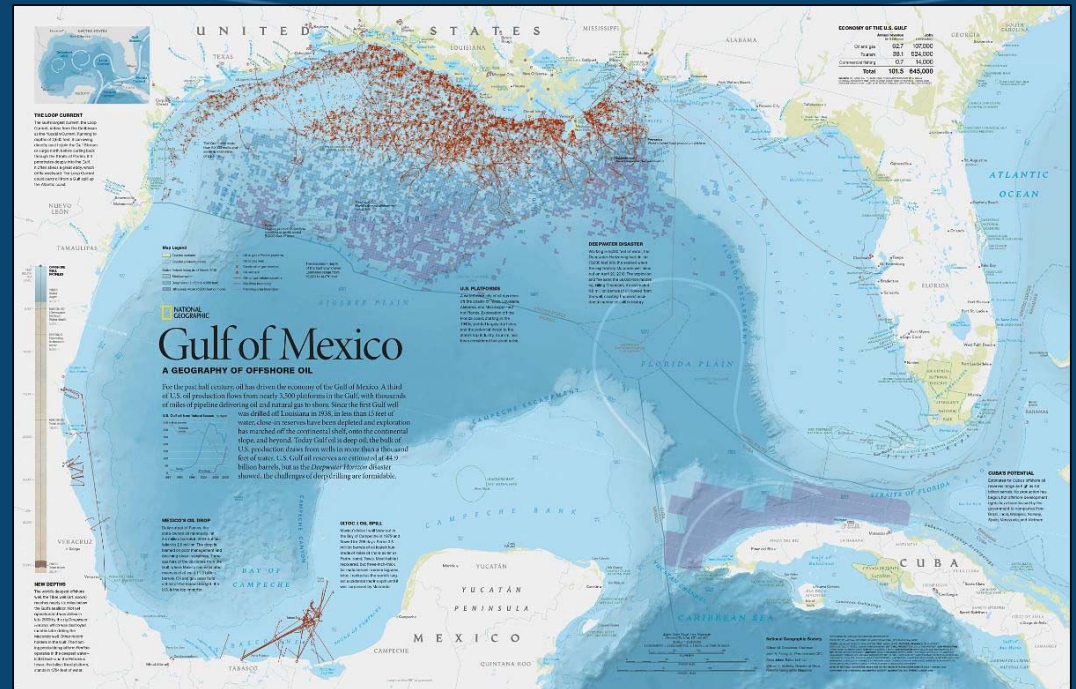
#### Introduction

Under the regulatory framework for renewable energy activity on the Outer Continental Shelf (OCS), the Bureau of Ocean Energy Management (BOEM) issues leases, easements, and rights-of-way for orderly, safe, and environmentally responsible offshore renewable energy development activities, such as the siting and construction of wind generation facilities on the OCS. This charter establishes the BOEM Gulf of Maine Intergovernmental Renewable Energy Task Force ("Task Force") to: 1) educate members about the renewable energy program, processes, and requirements; 2) exchange data and information; 3) discuss issues of concern; and 4) assist government decision-making within the established BOEM regulatory framework regarding renewable energy activity on the OCS in the Gulf of Maine.



# Charter: Purpose

- An information exchange to facilitate coordination and consultation related to renewable energy planning activities on the OCS in the Gulf of Mexico
- Task Force is neither a decision-making nor approval body
- Secretary of Interior remains the ultimate decision-maker



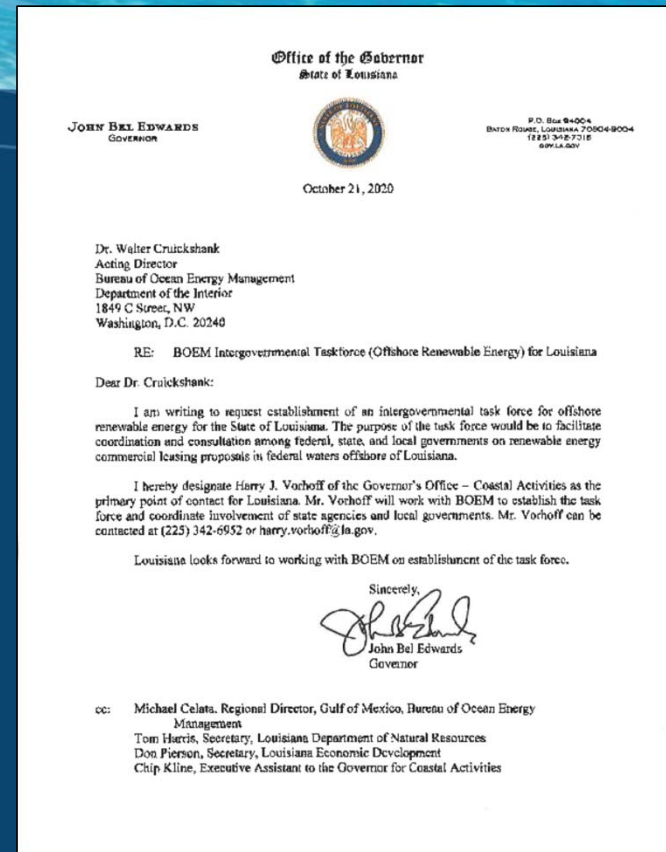
[www.nationalgeographic.org/hires/gulf-mexico-geography-offshore-oil/](http://www.nationalgeographic.org/hires/gulf-mexico-geography-offshore-oil/)



# Gulf of Mexico: Past Actions & Next Steps

## Task Force Formation SOP

1. Should we convene a Task Force?
  - Regional or state-based?
  - Assign staff POC
2. Develop a response letter
3. Prepare for initial Task Force Meeting
  - Purpose
  - Roster
  - Charter
  - Agenda Development



# Initial Task Force Agenda Development

- Collaboration with State POCs
- Lay the groundwork for productive working relationships
- Teach the community about renewable energy and the BOEM process
- Allow state, local and federal partners an opportunity to provide perspective and inputs
- Stakeholder engagement
- See Gulf of Maine Example





**Agenda for the Intergovernmental Renewable Energy  
 Task Force for the Gulf of Maine  
 December 12, 2019**  
 University of New Hampshire  
 Memorial Union Building: Strafford Room  
 83 Main Street, Durham, New Hampshire 03824

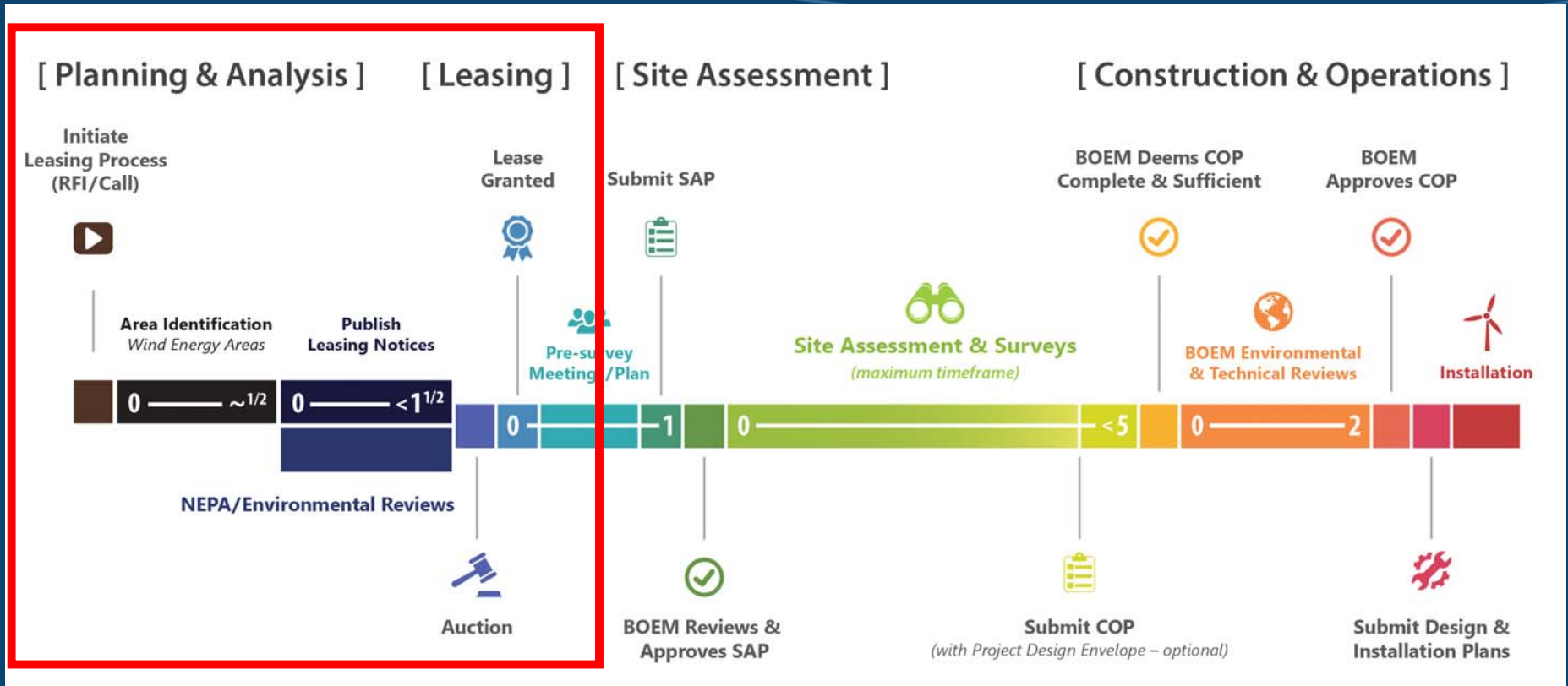
8:30 a.m. – 9:00 a.m.	<b>Registration</b>	
9:00 a.m. – 9:20 a.m.	<b>Welcome &amp; Opening Remarks</b>	<i>James Bennett</i> , Chief, BOEM Office of Renewable Energy Programs (OREP) <i>The Honorable Chris Sununu</i> , Governor of New Hampshire
9:20 a.m. – 9:25 a.m.	<b>Introductions &amp; Agenda Review</b>	<i>Pat Field</i> , Facilitator, CBI
9:25 a.m. – 9:40 a.m.	<b>Offshore Renewable Energy Program Overview</b>	<i>James Bennett</i> , Chief, BOEM OREP
9:40 a.m. – 9:50 a.m.	<b>Task Forces and Charter</b>	<i>Luke Feinberg</i> , Project Coordinator, BOEM
9:50 a.m. – 10:05 a.m.	<b>Leasing Process Review</b>	<i>Meredith Lilley</i> , Project Coordinator, BOEM
10:05 a.m. – 10:25 a.m.	<b>State of New Hampshire</b> • Overview of state renewable energy goals	<i>Matthew Mailloux</i> , Energy Advisor, New Hampshire Office of Strategic Initiatives
10:25 a.m. – 10:35 a.m.	<b>Break</b>	
10:35 a.m. – 10:55 a.m.	<b>State of Maine</b> • Overview of state renewable energy goals	<i>Dan Burgess</i> , Director, Maine Governor’s Energy Office
10:55 a.m. – 11:15 a.m.	<b>State of Massachusetts</b> • Overview of state renewable energy goals	<i>Patrick Woodcock</i> , Undersecretary of Energy, Commonwealth of Massachusetts

11:15 a.m. – 11:45 a.m.	<b>Public Input Opportunity</b> Interested individuals will be provided an opportunity and are encouraged to provide input on the topics being discussed by the Task Force. Depending on how many individuals would like to participate, time will be limited to 2-3 minutes, with priority given to those attendees unable to participate in the afternoon roundtable discussion. A sign-up list and guidelines will be available at the meeting registration table.	
3:30 p.m. – 3:40 p.m.	<b>Next Steps in the Leasing Process</b>	<i>Meredith Lilley</i> , Project Coordinator, BOEM
3:40 p.m. – 4:30 p.m.	<b>Facilitated Task Force Discussion</b>	<i>Pat Field</i> , Facilitator, CBI
4:30 p.m. – 4:40 p.m.	<b>Overview of Action Items, Closing Remarks</b>	<i>Pat Field</i> , Facilitator, CBI <i>James Bennett</i> , Chief, OREP, BOEM
4:40 p.m. – 5:30 p.m.	<b>Informal Stakeholder Discussion</b>	

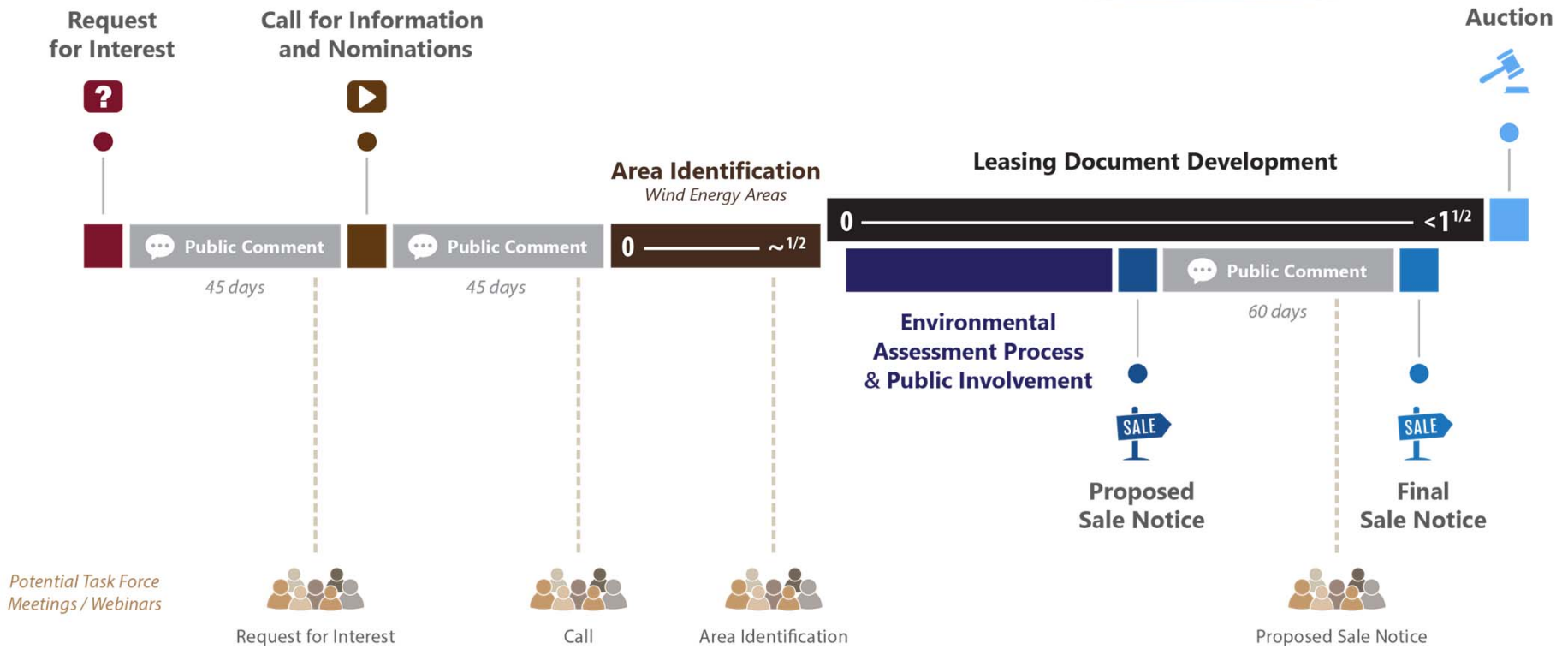


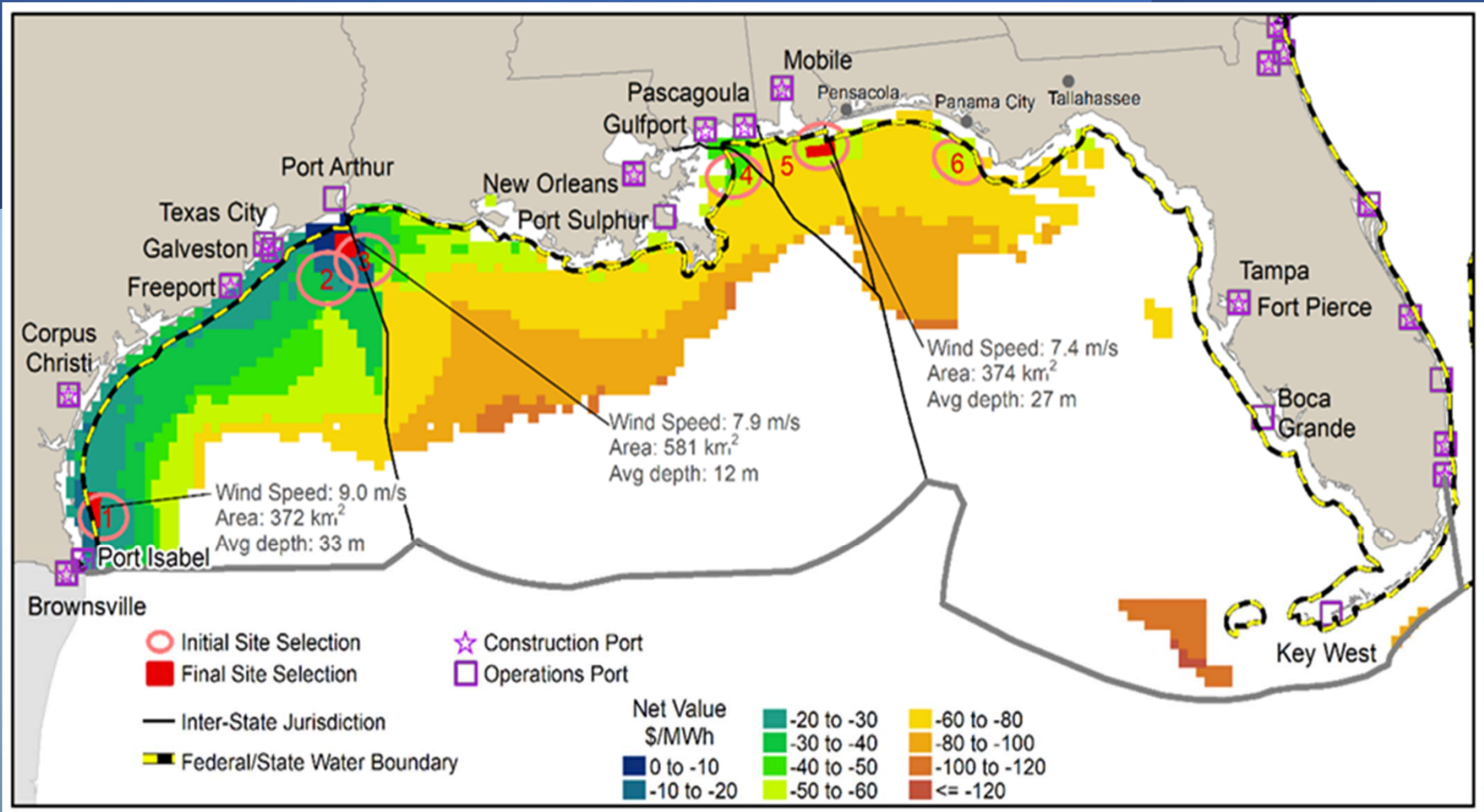


# Renewable Energy Process: Task Force Interaction



# Request for Interest to Lease Sale

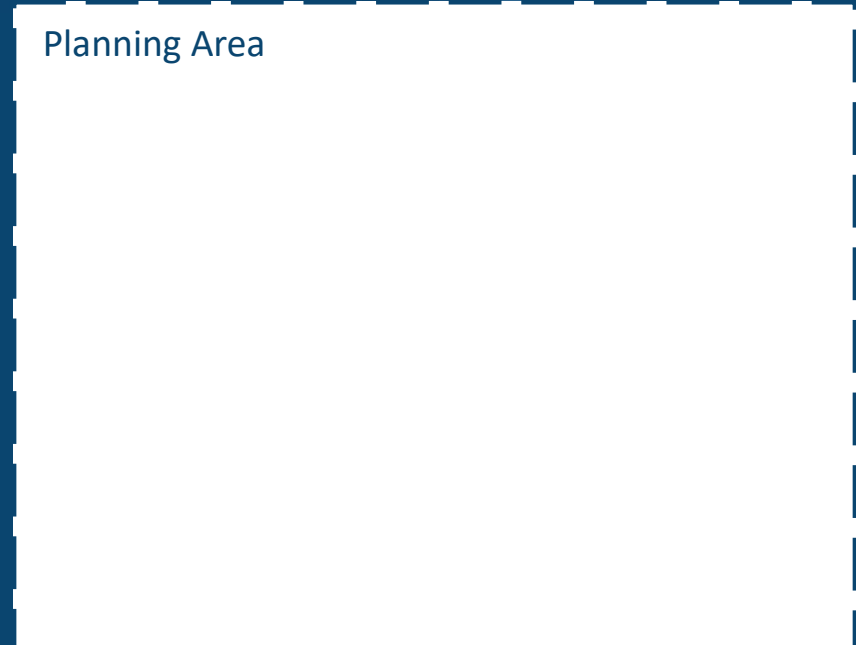




## Planning Area

- High-level screening
- Initial identification of areas that may be suitable for potential offshore wind development

### Planning Area

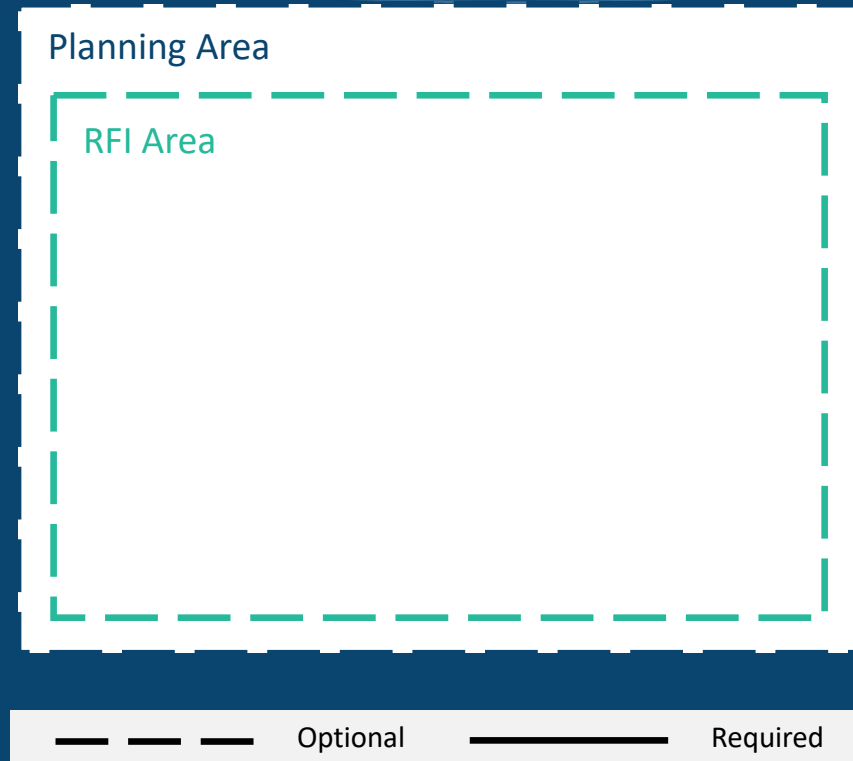


— — — Optional — — — Required



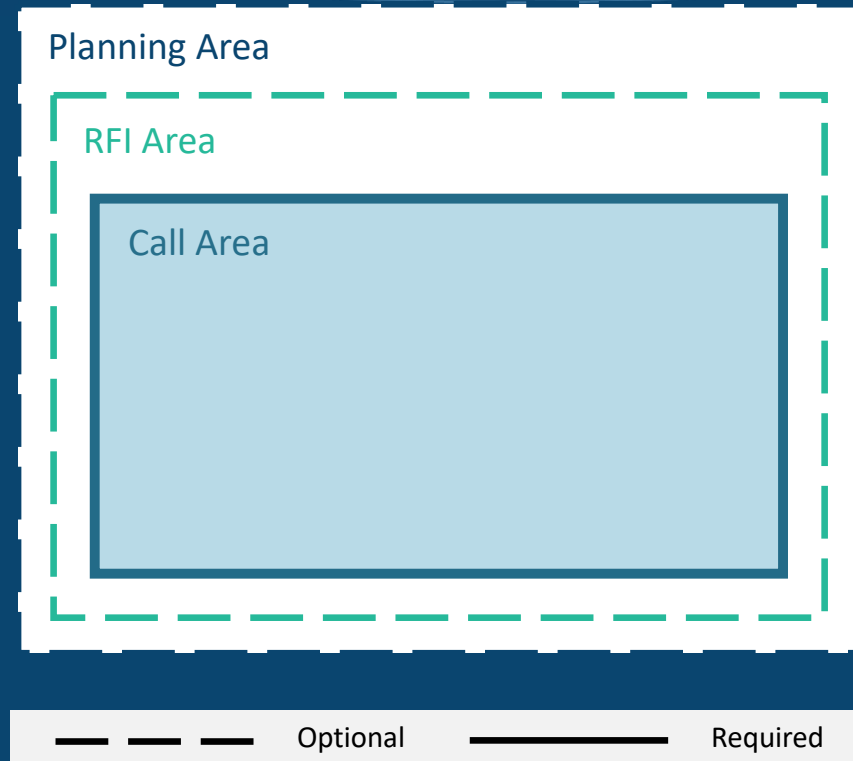
## Request for Interest (RFI) Area

- Collect information to determine the level of interest in offshore wind leasing
- Shed more light on suitability of area for wind development



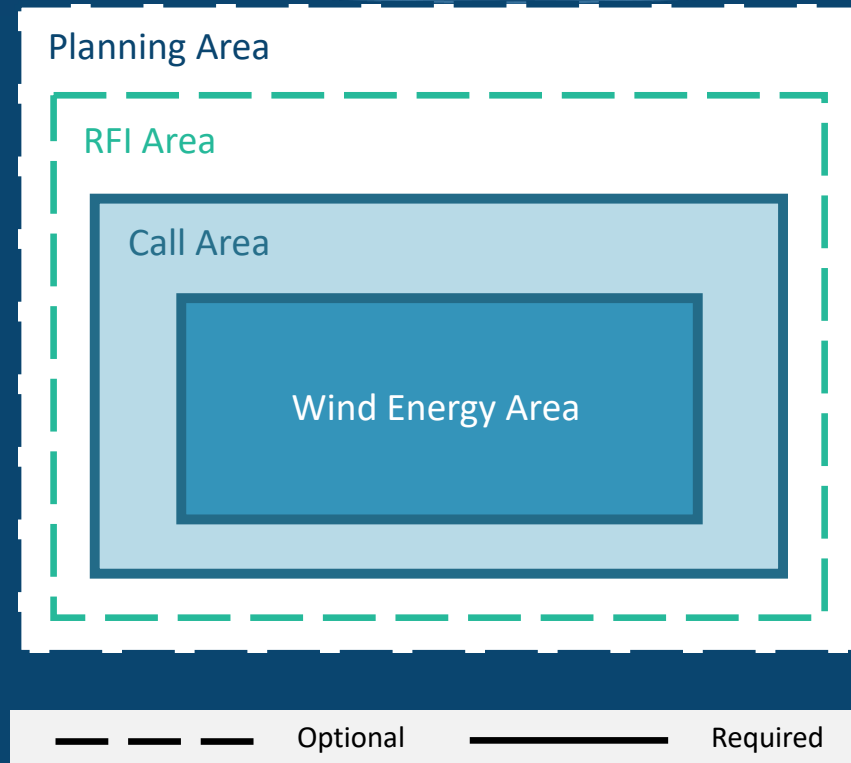
## Call for Information and Nominations - Area

- Request comments on:
  - Areas for special consideration and analysis
  - Conditions in the Call Area
  - Areas to be considered for leasing



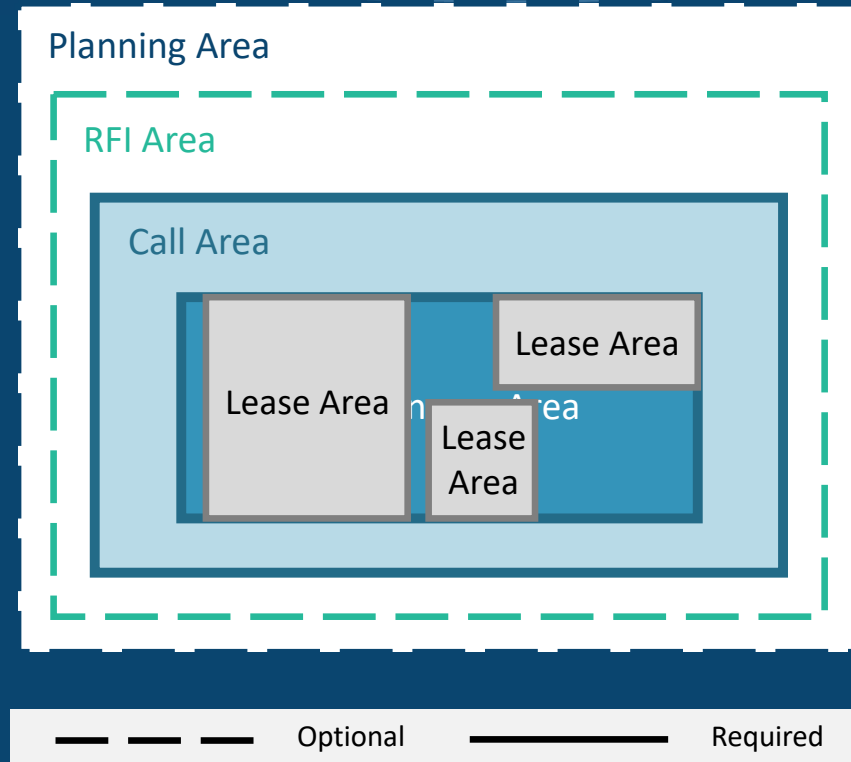
# Wind Energy Area

- A portion of the Outer Continental Shelf (OCS) identified by BOEM for NEPA analysis (Environmental Assessment)
- The basis for a Lease Area



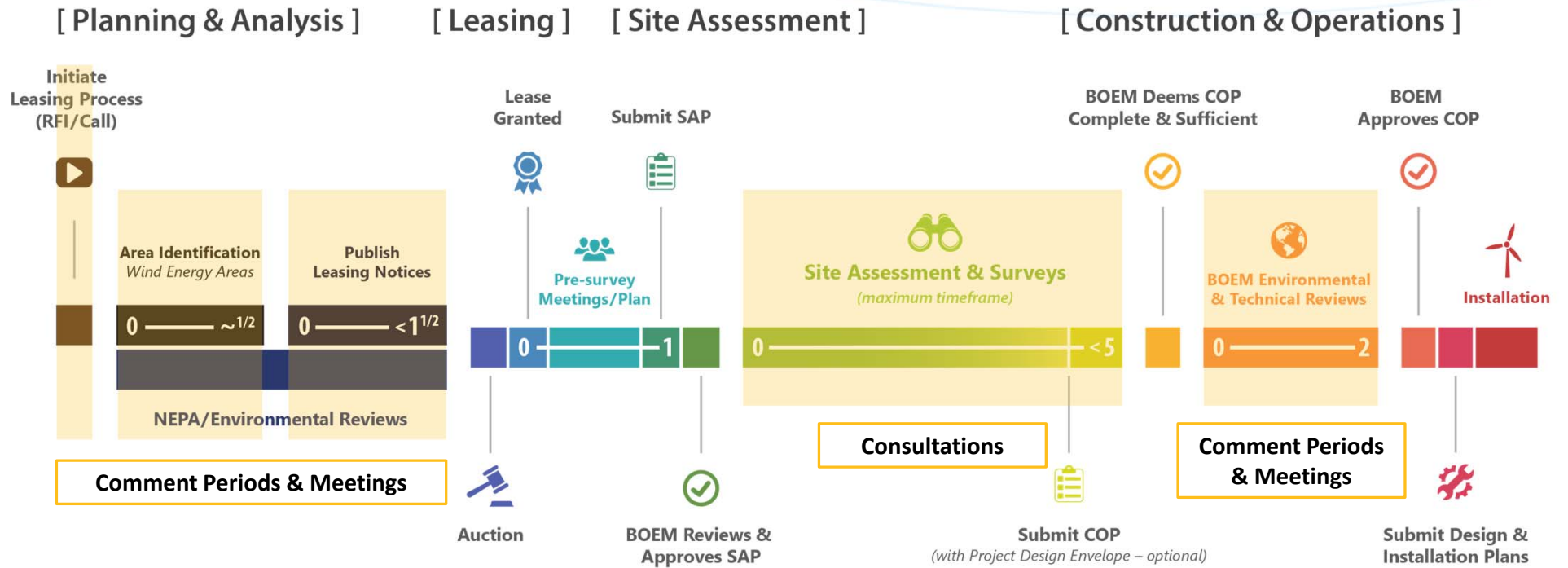
# Lease Areas

- Wind Energy Areas have the potential for further division into Lease Areas





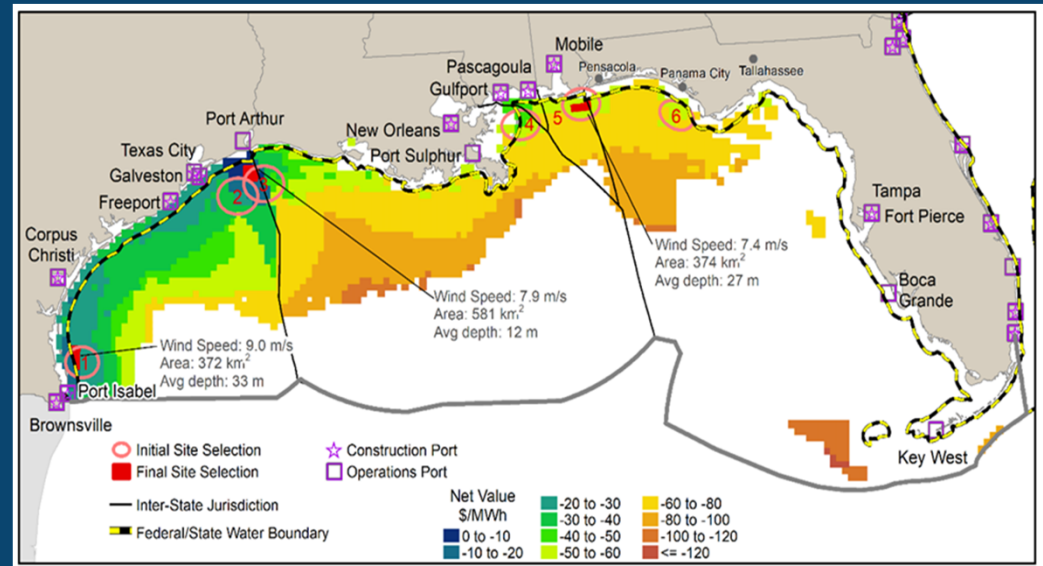
# How is Input Collected?



## Immediate Action: Next 3-9 Months

### Next Steps

- Wind Energy Area (WEA) analysis
- Draft Area Identification (ID) memo and determine WEAs
- Start an Environmental Assessment within the next 6 months
- Identify lease areas, auction format, and publish Proposed Sale Notice (PSN)
- Lease sale in 2022



## Immediate Action: Future Leasing Activities

	Major Milestones	Milestone Timeframe
<b>Offshore Wind</b>		
Gulf of Mexico	Task Force Meeting	June 15, 2021
	Call for Information Published	June 25, 2021
	End of Comment Period for the Call	August 11, 2021
	Area Identification/NOI	November 2021
	Draft Proposed Sale Notice	April 2022
	Proposed Sale Noticed Published in FR	June 10, 2022
	Final Sale Notice in FR	November 11, 2022
	Lease Sale	December 14, 2022



# BOEM

Bureau of Ocean Energy Management  
U.S. Department of the Interior

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