



Bureau of Ocean Energy  
Management

# Opportunities & Challenges in Offshore Wind

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NAE-GRP

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# BOEM's Mission Responsibilities

**OCS Lands Act:** "... vital national resource ... expeditious and orderly development ... environmental safeguards"

**Energy Policy Act of 2005:** "... energy from sources other than oil and gas ..."



Gulf of Mexico OCS

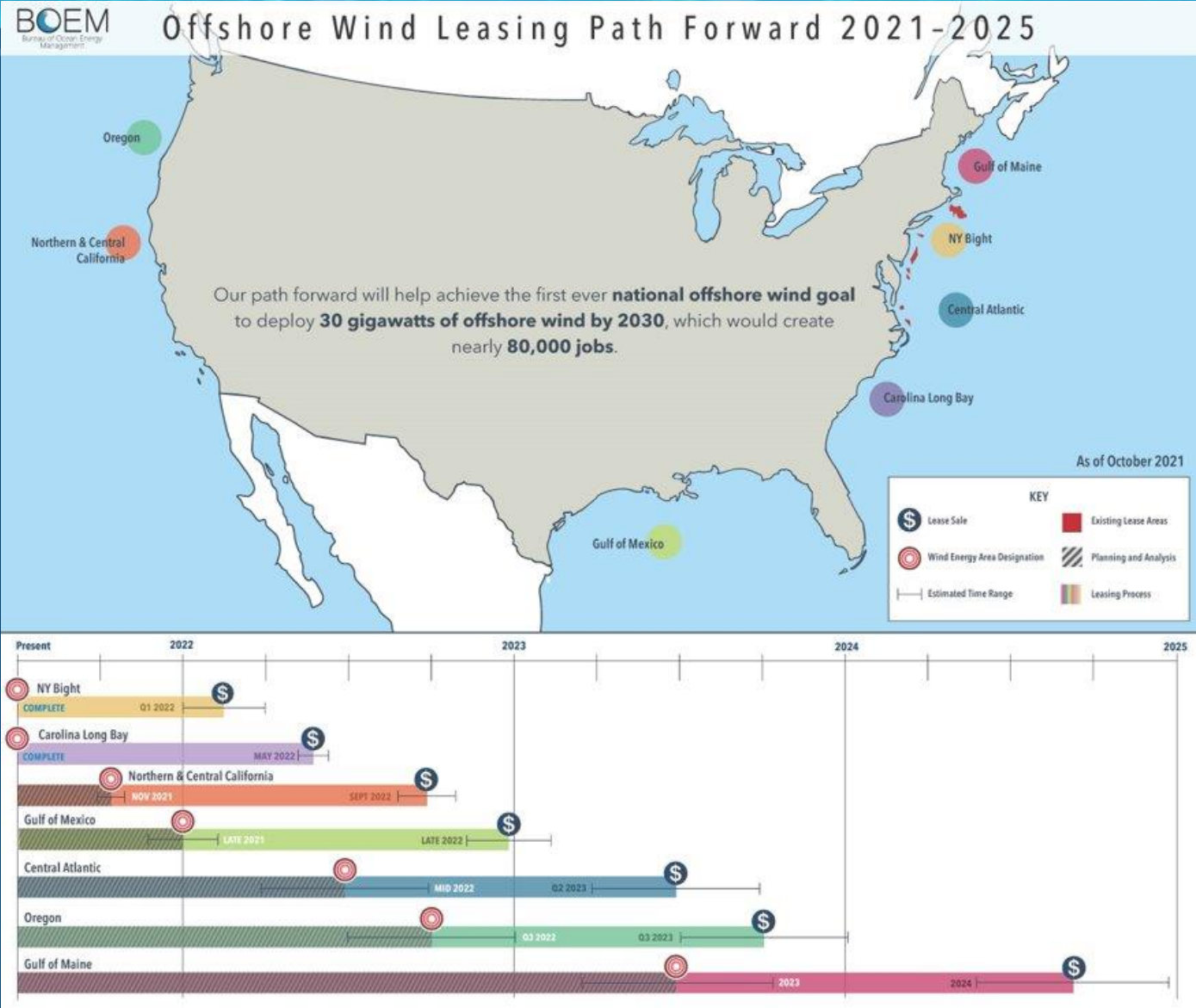
# Administration Goals

- President Biden issued **Executive Order 14008** that called for the Interior Department to identify steps to increase responsible renewable energy development on public lands and waters
- First-ever **national offshore wind goal** to deploy **30 gigawatts of offshore wind by 2030**, which would create nearly **80,000 jobs** .

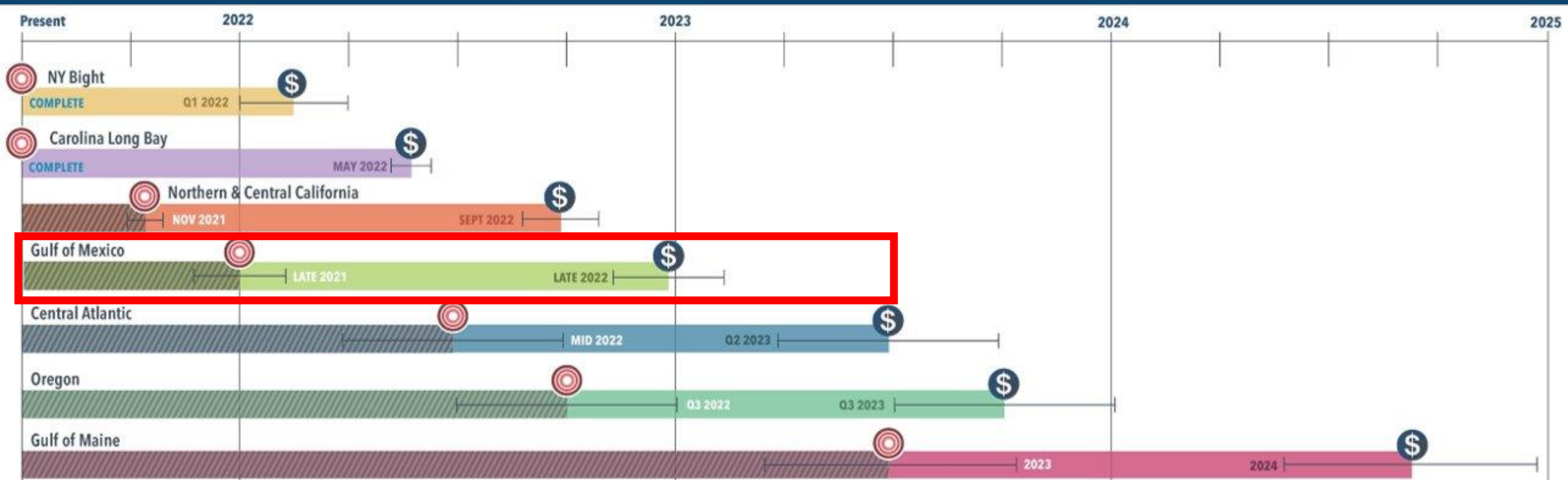




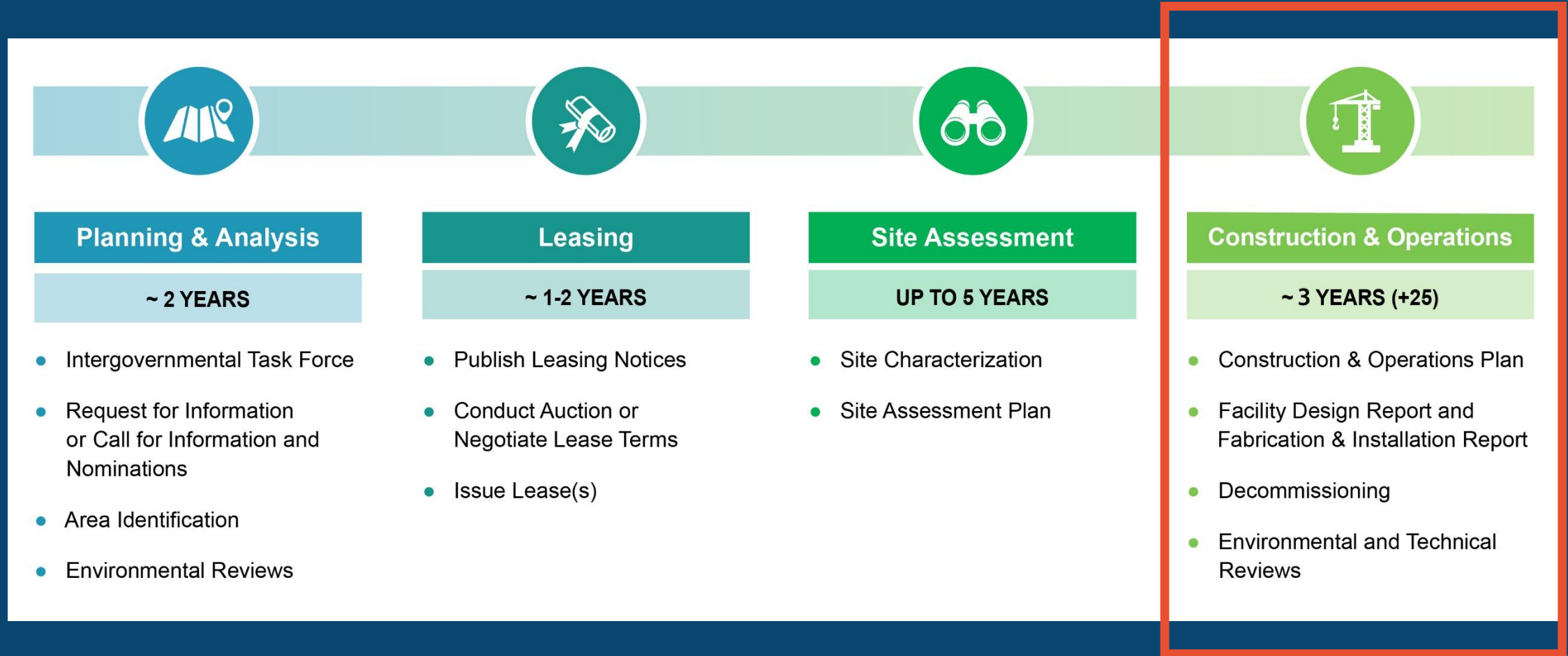
# Offshore Wind Leasing Path Forward for 2021-2025



# Leasing Path Forward for 2021-2025



# Renewable Energy Process: Overview and Post-Lease Activities







# Renewable Energy Program by the Numbers

Competitive Lease Sales Completed:

8

Active Commercial Offshore Leases Issued:

18

Active Research Offshore Leases Issued:

2

Site Assessment Plans (SAPs) Approved:

12

General Activities Plans Approved:

1

Construction and Operations Plans (COPs):

- Approved

1 in 2021

- Under Review

13

- Anticipated within Next 12 Months

4

Guidance:

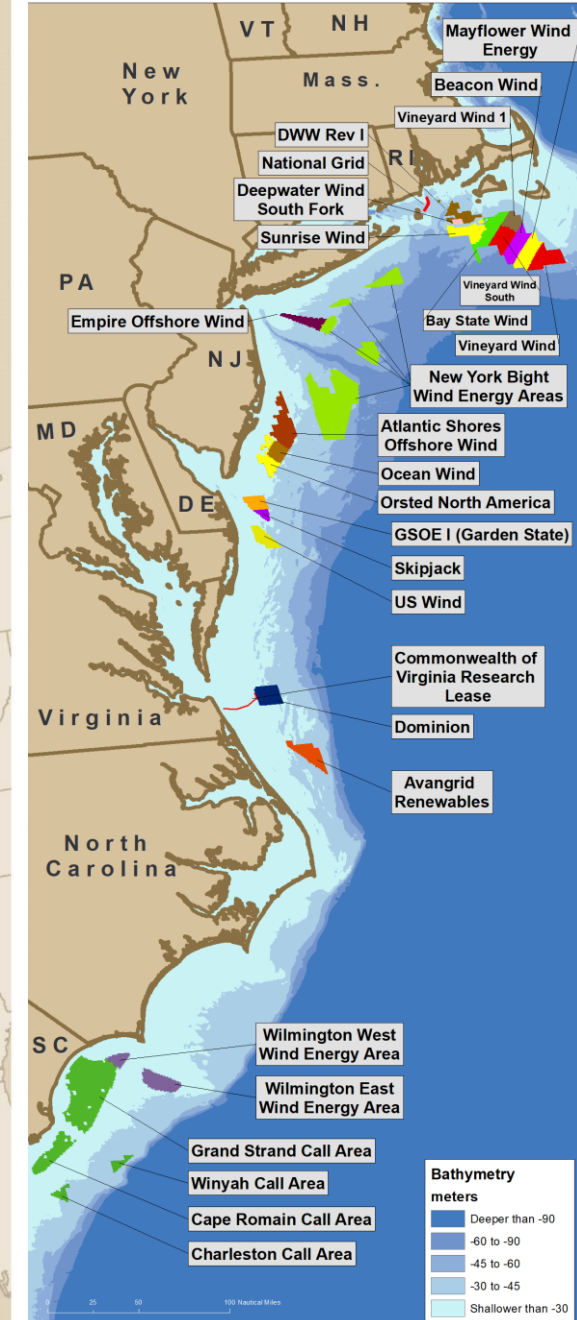
10

Leasing Under Consideration:

7

Steel in the Federal Waters:

2020



## Estimated Capacity from Existing Leases

- Estimated capacity from COPs filed =  $\sim 19$  GW
- Estimated capacity from remaining lease area =  $\sim 8$  GW
- Additional lease area is necessary to achieve 30 GW x 2030



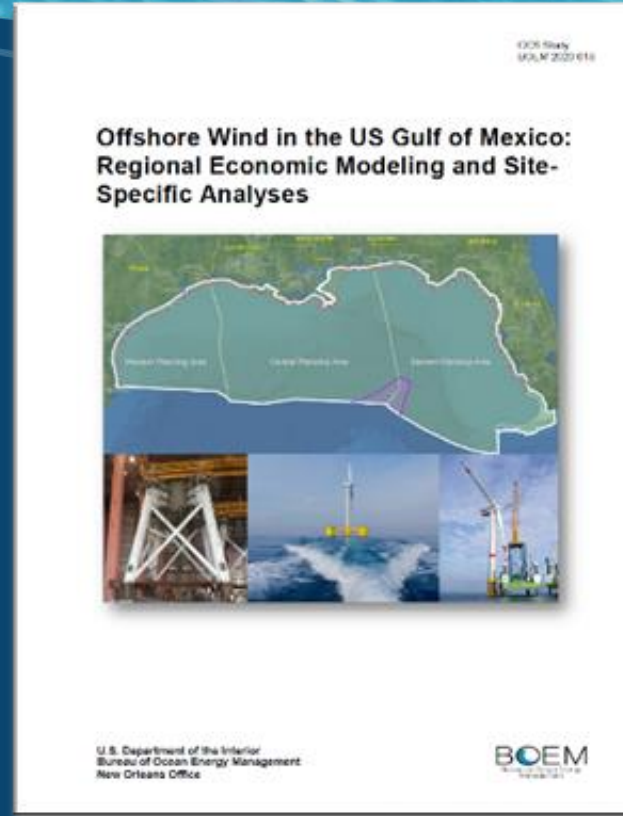
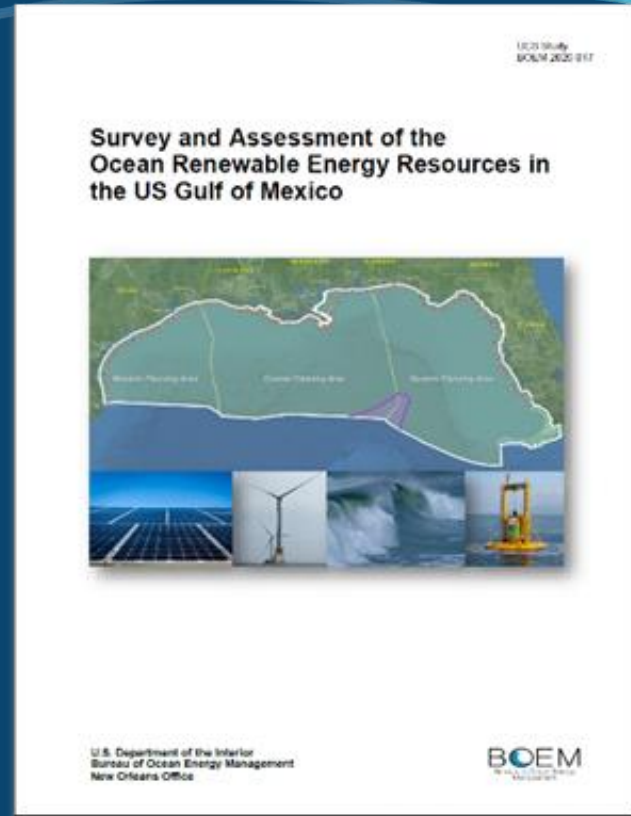
# Gulf of Mexico Outer Continental Shelf Renewable Energy

## Agenda

- **Background**
- **Renewable Leasing Process**
- **Next Steps**



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



## Special Acknowledgements:

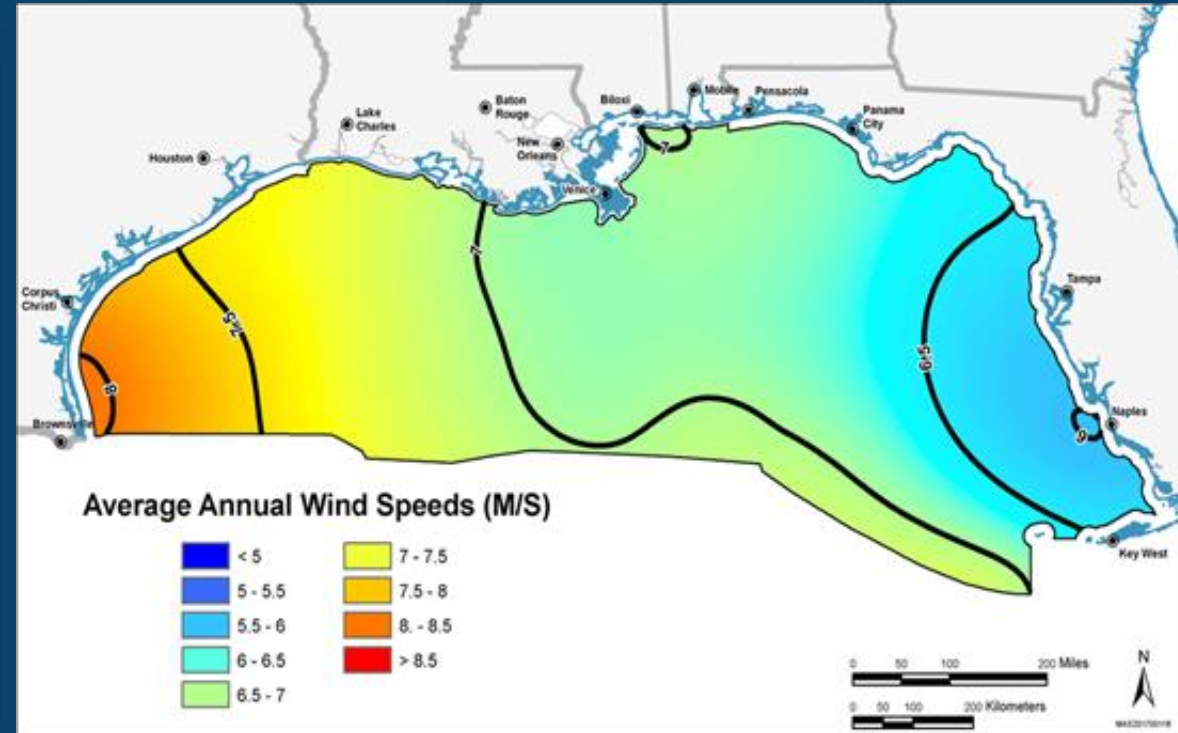
- **Mike Celata**, BOEM's GOM Regional Director
- **Rebecca Green** for initiating the project
- **Andrea Heckman** the BOEM project manager
- **Tershara Matthews**, current coordinator

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://espis.boem.gov/final%20reports/BOEM\\_2020-017.pdf](https://espis.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://espis.boem.gov/final%20reports/BOEM\\_2020-018.pdf](https://espis.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. The inaugural GOM Regional Task Force Meeting was held on June 15, 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 costs





# BOEM Renewable Energy Process: Overview and Post-Lease Activities



## 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



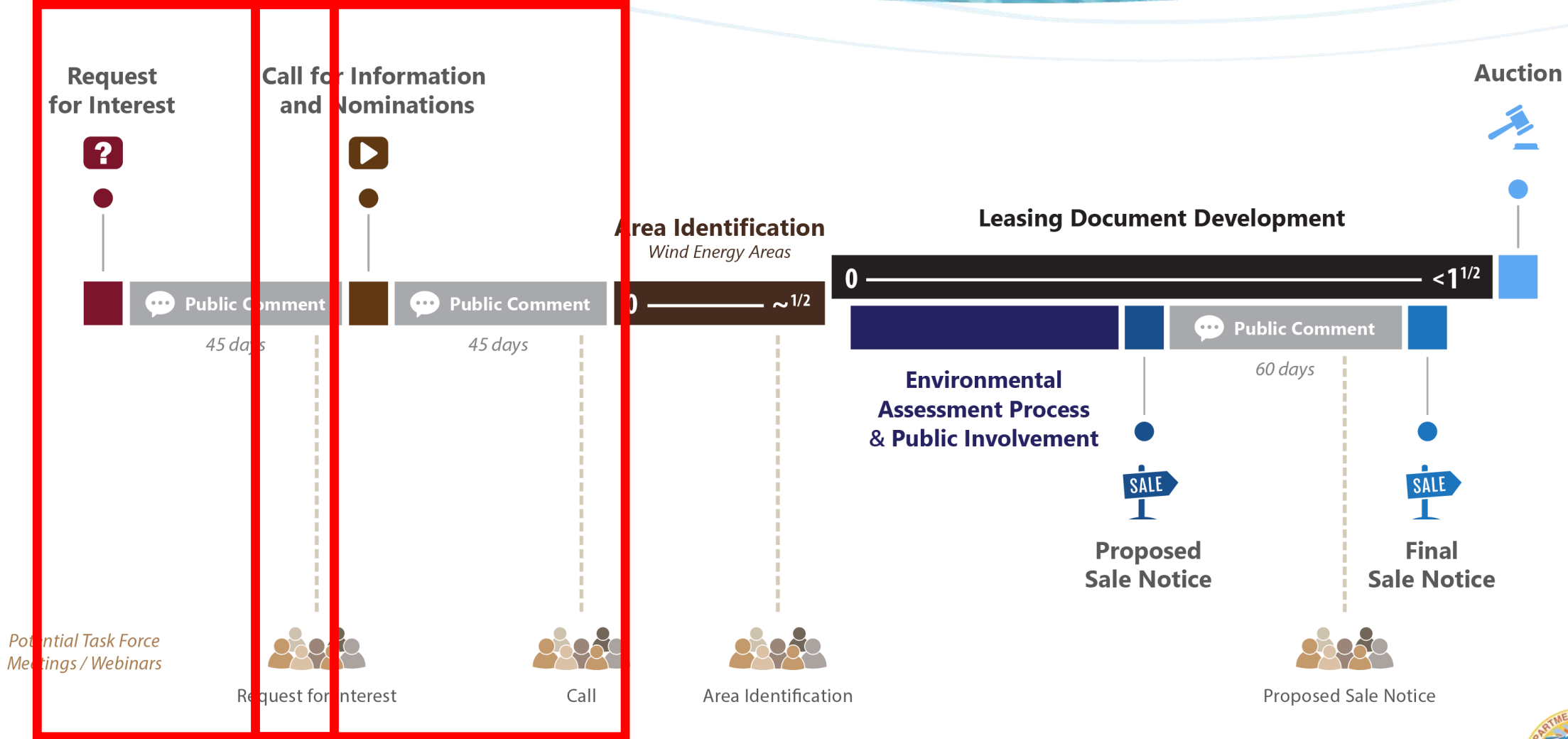
## Construction & Operations

~ 2 YEARS (+25)

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

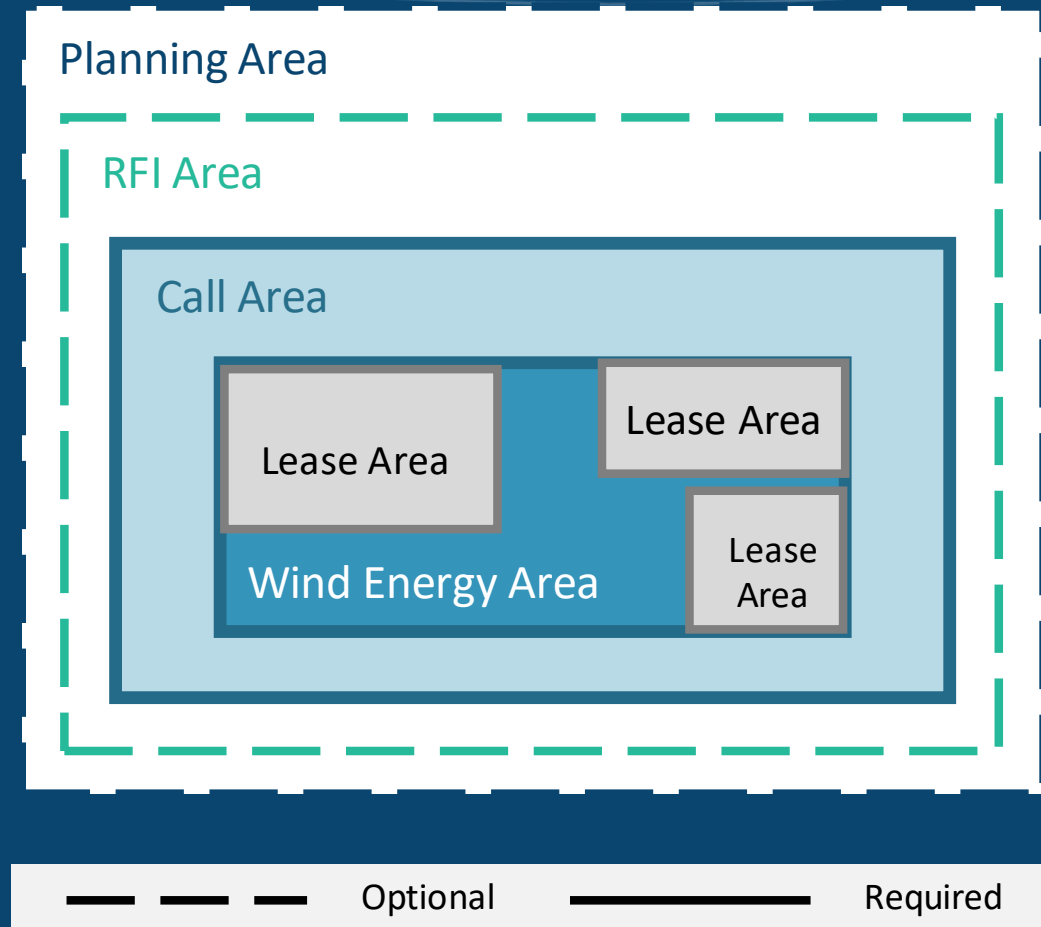


# Renewable Energy Process: Focus on Pre-Lease Activities



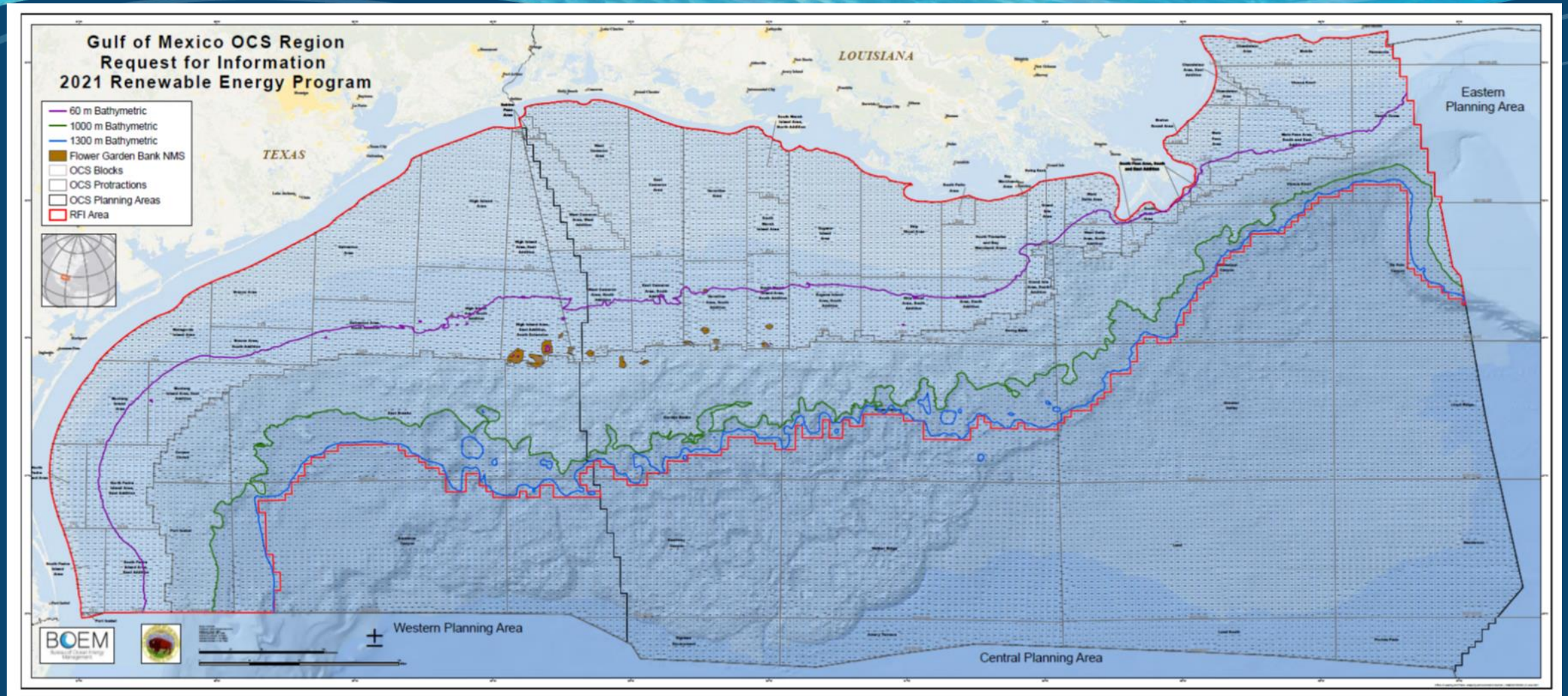
# Renewable Energy Process: Area Identification

- Call Area for consideration have determined the potential for interest
- Initial identification of areas that may be suitable
- Conditions in the Call Area
- Shred potential for disturbance of area development for leasing





# Request for Interest (RFI) Area



# RFI Comment Summary

Stakeholder Comments	Number of comments
Private Citizens	10
State Agencies (LA)	2
Federal Agencies	2
Universities	1
Non-governmental Organizations (NGOs)	14
Industry	10
Total Comments	39

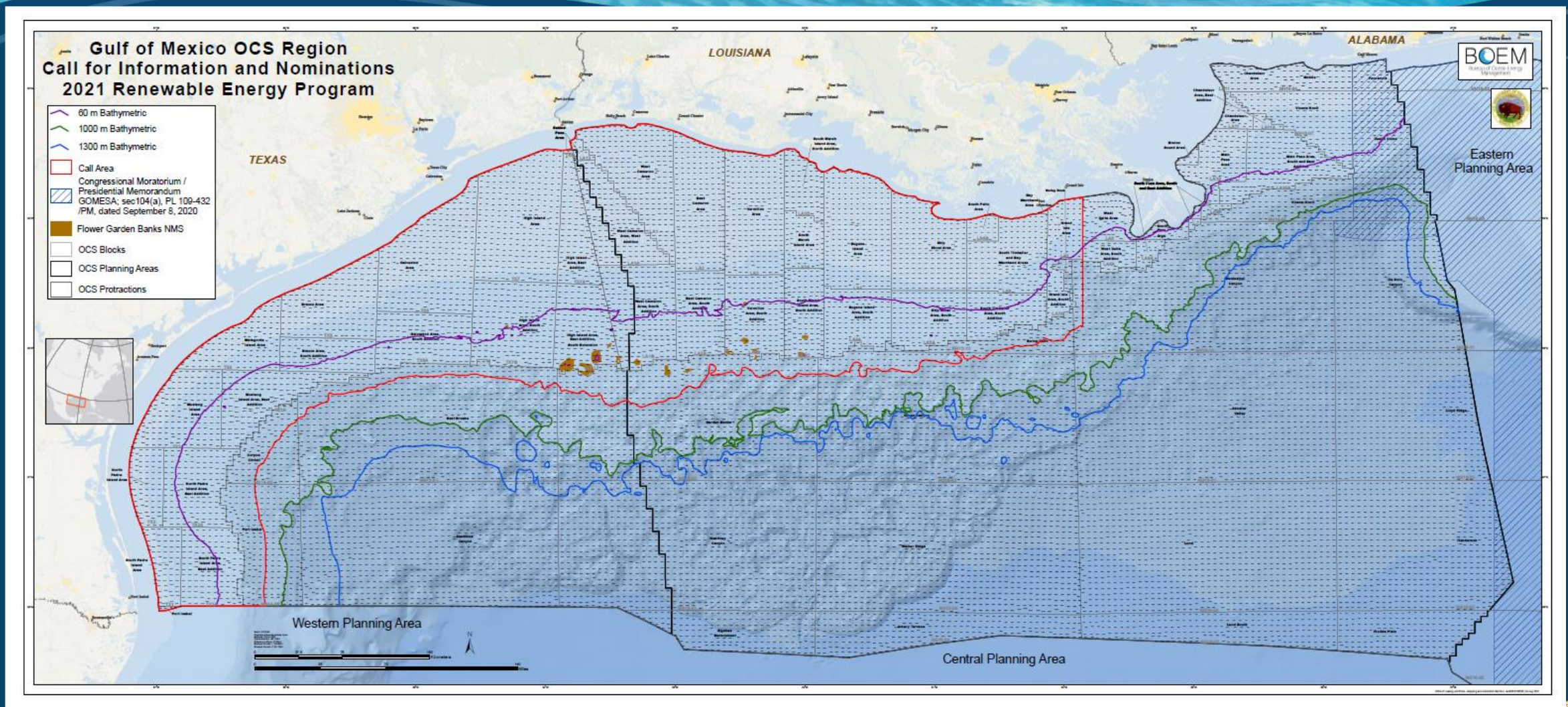
For information on how to submit comments to BOEM regarding offshore wind projects, go to:

<https://www.boem.gov/renewable-energy/state-activities/gulf-mexico-gom-intergovernmental-renewable-energy-task-force>



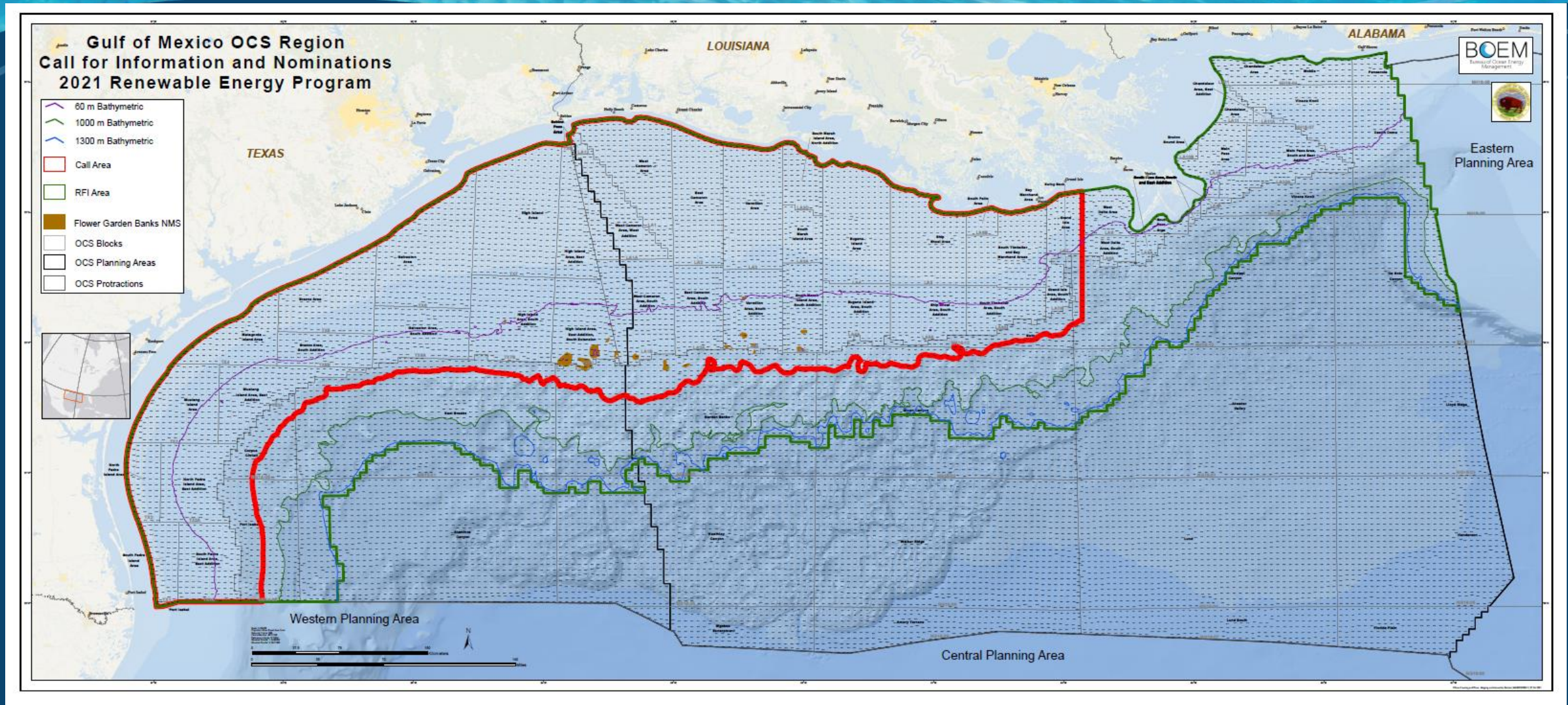


# Call for Information Area





# RFI & Call Combined Map





# GOM Offshore Wind Energy Leasing Status

- **June 11, 2021:** Request of Interest (RFI) published in the Federal Register.
- **June 15, 2021:** BOEM GOM Inaugural Intergovernmental Renewable Task Force (Task Force) Meeting to present and gather information.
- **July 26, 2021:** Comment Period for the RFI Closed.
  - BOEM received 39 RFI comments.
- **November 1, 2021:** BOEM published the Call for Information and Nominations (Call) in the Federal Register. Docket Number BOEM-2021-0077
- **December 16, 2021:** Comment Period for the Call Closes
- **Next Steps:**
  - Hold the 2<sup>nd</sup> Task Force Meeting
  - Start the Environmental Assessment on the Call Area
  - Identify Wind Energy Areas
- Stay informed about BOEM GOM activities at [www.boem.gov/renewable-energy/state-activities/gulf-Mexico-activities](http://www.boem.gov/renewable-energy/state-activities/gulf-Mexico-activities) and sign up for updates.



# Team Members

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