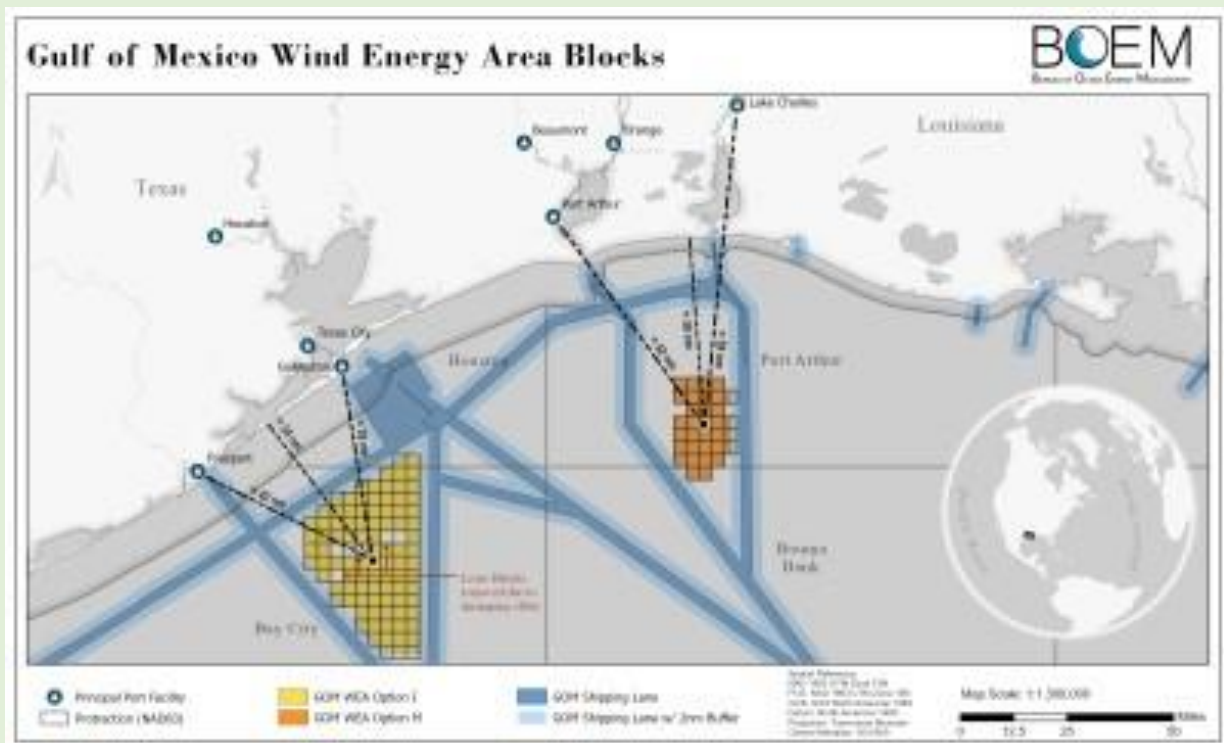


BOEM | Gulf of Mexico Intergovernmental Renewable Energy Task Force meeting

April 11, 2023.





Another opportunity to bring the community up to date on Offshore Wind leasing progress in the Gulf of Mexico in attending BOEM's fourth Task Force meeting. The auction is likely to take place in the late summer of this year.

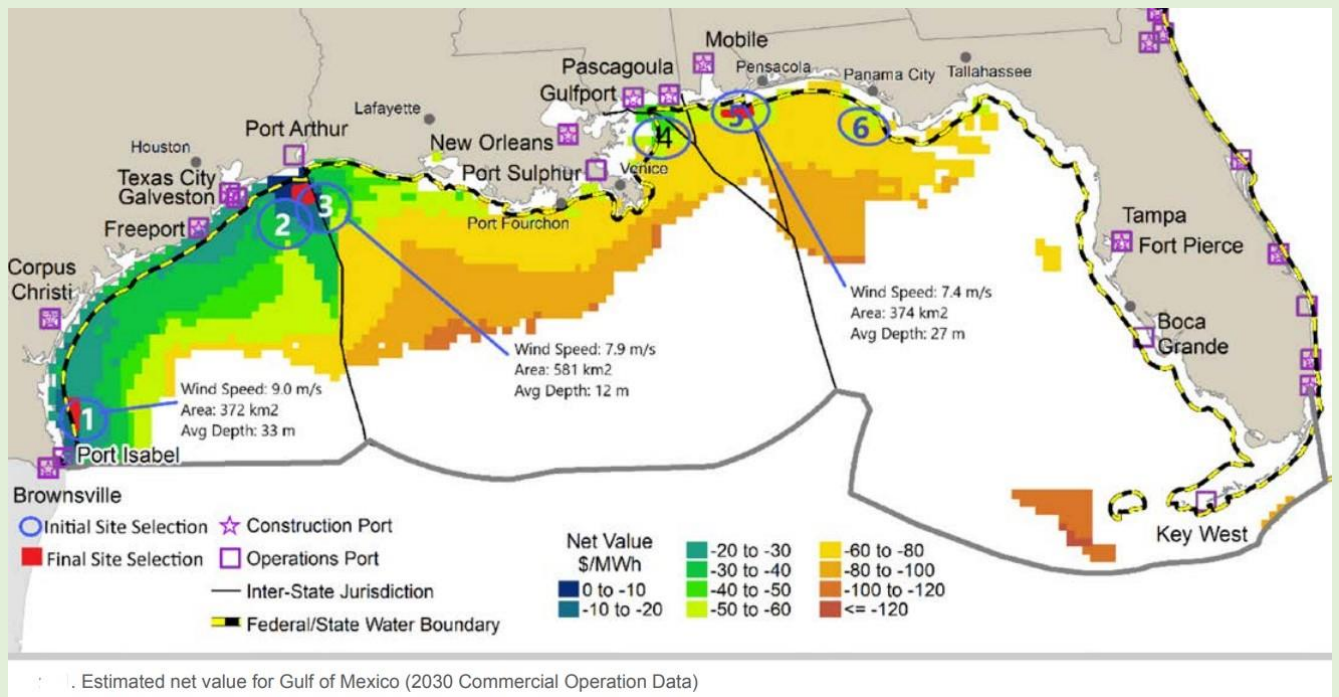
The Task Force is a partnership between federal, state, and local agencies and Tribal governments tasked with coordinating renewable energy planning activities on the Outer Continental Shelf (OCS) in the Gulf of Mexico.

It discusses stakeholder issues, exchanges data and information about ocean use and resources, and facilitate collaboration opportunities.



Meeting Agenda

Agenda Review, Introductions, and Meeting Protocols	Josh Gange, Auction Manager, BOEM Office of Renewable Energy
Opening Remarks	Deputy Regional Director, BOEM GOM
GOM Proposed Sale Notice (PSN) Overview	Idrissa, Project Coordinator, BOEM GOM
Deadlines and Milestones for Bidders	Josh Gange, Auction Manager, BOEM OREP
Overview of Fiscal Terms	Martin Heinze, Economics Division, BOEM Office of Strategic Res
Presentation of Auction Format	Larry Ausubel & Ferda Erturk, Power Auctions LLC.
Q&A Session	
Meeting Wrap Up and Closing Remarks	Deputy Regional Director, BOEM GOM



Advantages

Resource Quantity

1/3 of U.S. shallow water resource is in the Gulf of Mexico—shallow water lowers substructure cost

Proximity to Oil and Gas Supply Chain

Offshore wind can leverage existing capabilities

Mild Climate

Warmer waters and lower sea states can decrease operating costs and increase turbine access

Challenges

Hurricane Exposure

The risk of a major hurricane could increase turbine and substructure cost

Low Average Wind Speeds

Lower wind speeds decrease capacity factors and increase LCOE

Softer Soils

Soft soils limit the type of substructure and increase substructure cost

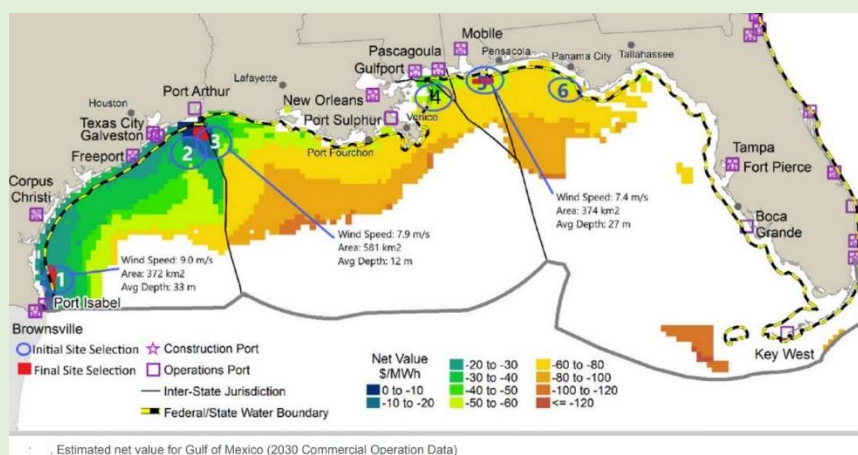
BOEM is committed to ensuring any offshore wind activities are done in a manner that avoids or minimizes potential impacts to the ocean and ocean users,” said Bureau of Ocean Energy Management Director Elizabeth Klein. “

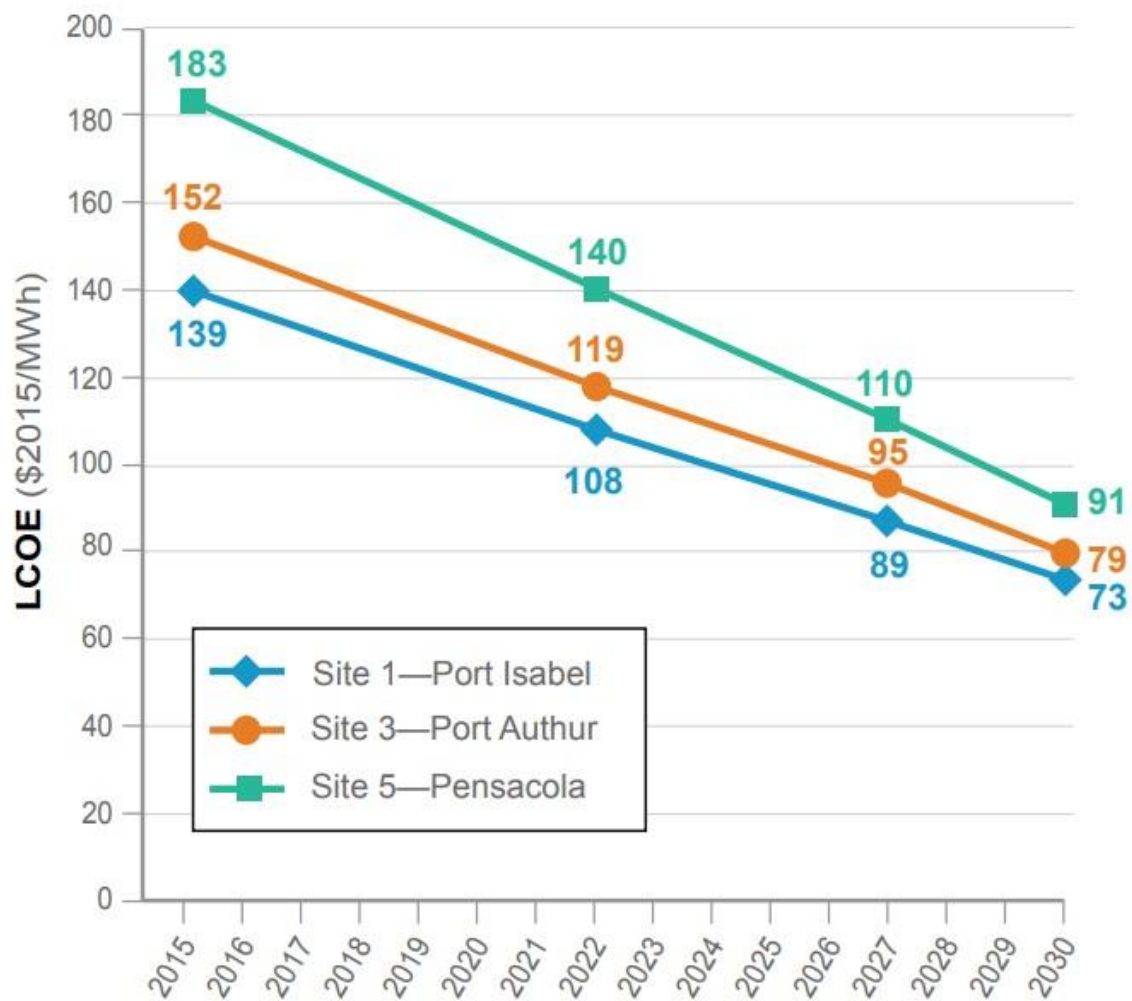
This proposed sale notice provides another opportunity for them to weigh in on potential offshore wind leasing in the Gulf of Mexico.”

The Proposed Sale Notice (PSN) includes the 102,480-acre area offshore Lake Charles, Louisiana, and two areas offshore Galveston, Texas, one comprising 102,480 acres and the

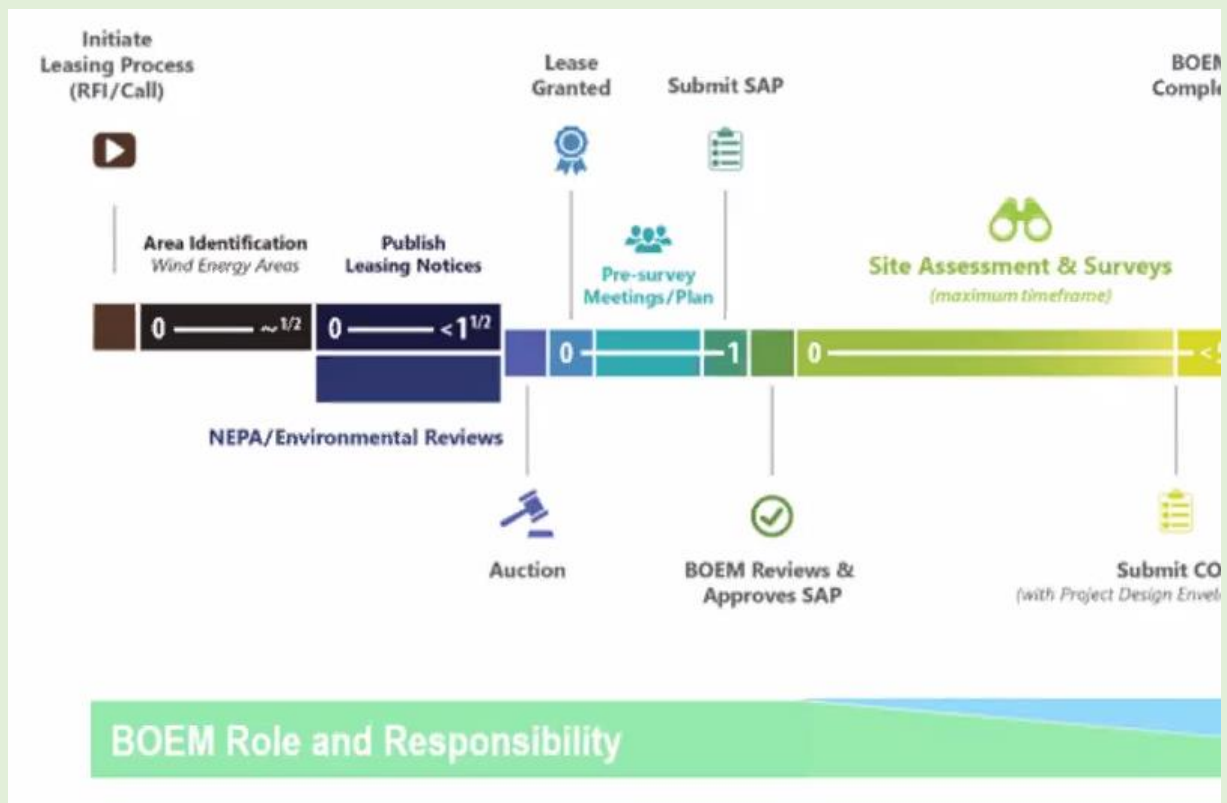
other comprising 96,786 acres. BOEM is seeking public comments on which, if any, of the two lease areas offshore Galveston should be offered in the Final Sale Notice. These areas have the potential to power almost 1.3 million homes with clean energy.

- BOEM is also seeking feedback on several lease stipulations that would reaffirm its commitment to create good-paying jobs and engage with ocean users and other stakeholders. Some of these potential stipulations include Bidding credits to bidders that commit to supporting workforce training programs for the offshore wind industry, developing a domestic supply chain for the offshore wind industry, or a combination of both.
- Establishing and contributing to a fisheries compensatory mitigation fund or contributing to an existing fund to mitigate potential negative impacts to commercial and for-hire recreational fisheries caused by offshore wind development in the Gulf of Mexico.





Estimated LCOE for the three modeled Gulf of Mexico sites from 2015 to 2030 (Commercial Operation Data)



The Transfer's Impact to the Offshore Wind Industry

BSEE and BOEM are dedicated to timely and consistent communication, information sharing, and the resolution of issues to ensure that offshore wind development progresses in an effective, efficient, safe and environmentally sound manner.

Both Bureaus have been working collaboratively to review renewable energy submissions and establish guidance for the offshore wind industry. They will continue in this manner after the transfer of regulations.

BOEM is responsible for managing offshore energy resources on the OCS in an environmentally and economically responsible way.

BSEE is responsible for the development, oversight, and enforcement of safety and environmental standards for the offshore energy operations.



BSEE/BOEM Key Authorities

BOEM	BSEE
Issuing and managing leases	Operational safety and environmental protection
NEPA analyses	Facility Design Report
Site Assessment Plan	Fabrication and Installation Report
Construction and Operations Plan	Safety Management System
General Activities Plan	Oil Spill Response Plan
	Emergency Response Plan
Financial Assurances	Decommissioning
Enforcing BOEM regulations	Enforcing BSEE regulations



BSEE Priorities

- Develop a compliance assurance strategy including audits, inspections, self-inspection, assessments, and compliance actions.
- Safety Management System (SMS) – BSEE just published a SMS expectations document.
- Develop Standard Operating Procedures for BSEE's program and shared agreements with BOEM and other agencies such as USCG.
- Develop guidance for the industry including FDR/FIR reviews and CVA oversight and munitions and explosives of concern.
- Hiring more staff to manage workload.
- Rolling out TIMS Web for industry submittals.



Port Access Route Study (PARS)

Approaches to Galveston Bay and Sabine Pass, TX and Calcasieu Pass, LA

- Notice of Study Published 01 MAR 2023
- Docket number USCG-2023-0063
- Comment Period Closes 27 APR 2023
- Evaluate the adequacy of existing vessel routing measures and determine whether additional vessel routing measures are necessary to ensure vessel can safely transit to/from U.S. Ports.

Conducted by District Commander, Eighth Coast Guard District in New Orleans, LA

- Factors
 - Offshore Renewable Energy Leasing & Development
 - Vessel Traffic Frequency & Patterns
 - Commercial Vessel Lightering Operations
 - Commercial & Recreational Fishing Vessel Operations
 - Public & Stakeholder Engagement



Proposed Lease Areas

USCG Authority

- Areas adequately avoid designated Fairways
- Areas adequately avoid recommended 2 nm set-back from designated Fairways

USCG Recommendations

- USCG responded to the Wind Energy Area Identification public comment period, calling attention to the presence of commercial vessel traffic conducting ship-to-ship lightering operations within and around the proposed lease areas.
- Offshore Lightering stakeholders have expressed concerns for potential impacts to operations, which are conducted within and near the proposed lease areas.
- USCG recommends BOEM continue to engage the region's Offshore Lightering stakeholders and evaluate potential impacts to inform proposed leasing decisions.
- USCG recommends Offshore Lightering stakeholders participate in the public comment process to ensure equities are identified and adjudicated.





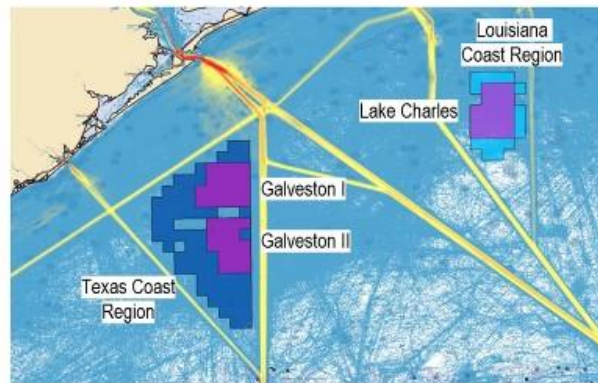
NOAA
FISHERIES

Offshore Wind Energy in the Gulf of Mexico

Task Force Meeting - April 11, 2023

Focal points of our PSN comments

- Trust resources and mandates (MMPA, ESA, Magnuson-Stevens)
- Habitat Considerations
- Stakeholder Engagement and EEJ
- Scientific Surveys & Adaptive Management
- Regulatory advice



Key Messages

- 1) **Static to dynamic Marine Spatial Planning.** Lease planning was based on static distributions; animals are dynamic; next steps are to incorporate dynamic movement.
- 2) **Continued monitoring** Large-scale surveys such as GoMMAPPs inform planning, understanding and mitigation of impacts; track distribution and abundance of our key trust resources
- 3) **Bidding credits for community benefit and monitoring.** The pending lease sale is a unique opportunity to build financial support for these surveys into lease agreements so that the development supports the science that supports the development in the new Blue Economy

Future Action: Next Few Months

- Next Steps
 - Final Environmental Assessment (EA)
 - Final Sale Notice (FSN)
 - Proposed Lease Auction



BOEM Bureau of
Ocean Energy Management

Public Input Opportunity – Participation Guidelines

- To get in the queue to speak, please click the "raised hand" button (icon in the bottom taskbar). The facilitator will call on you.
- For phone participants, dial *9 to Raise Hand to enter the queue once called on by the facilitator, dial *6 to unmute and begin speaking.
- If needed, you can also share comments using the "Q&A pod" in the bottom taskbar. Messages will be read aloud by the facilitation team following the oral comments.



- Provide informal public input opportunity to share thoughts on the Task Force discussions or the issues they are addressing.
- Formal comments on the PSN should be provided through www.regulations.gov (docket number BOEM-2023-0021) on or before 11:59 pm ET on April 25, 2023

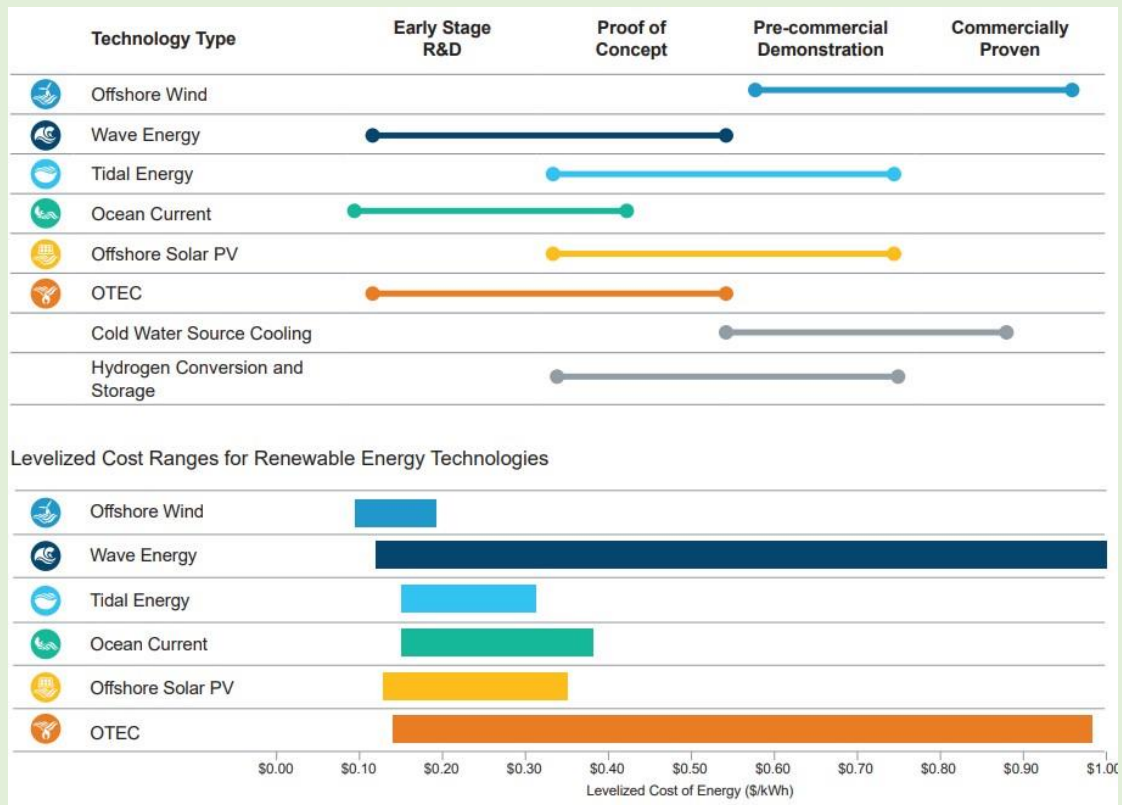


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78



Hydrogen conversion and storage appear advanced the BOEM technology readiness chart:



<https://bit.ly/3gHQa0V>

Offshore Wind and Hydrogen

