



**BOEM**  
BUREAU OF OCEAN ENERGY MANAGEMENT

# Next Steps for the Existing Commercial Leases Offshore Rhode Island & Massachusetts

Massachusetts Habitat and Fisheries Working Group

**William Waske**  
*Project Coordinator*

# Presentation Agenda



Where are we in the  
leasing process?



What is submitted?

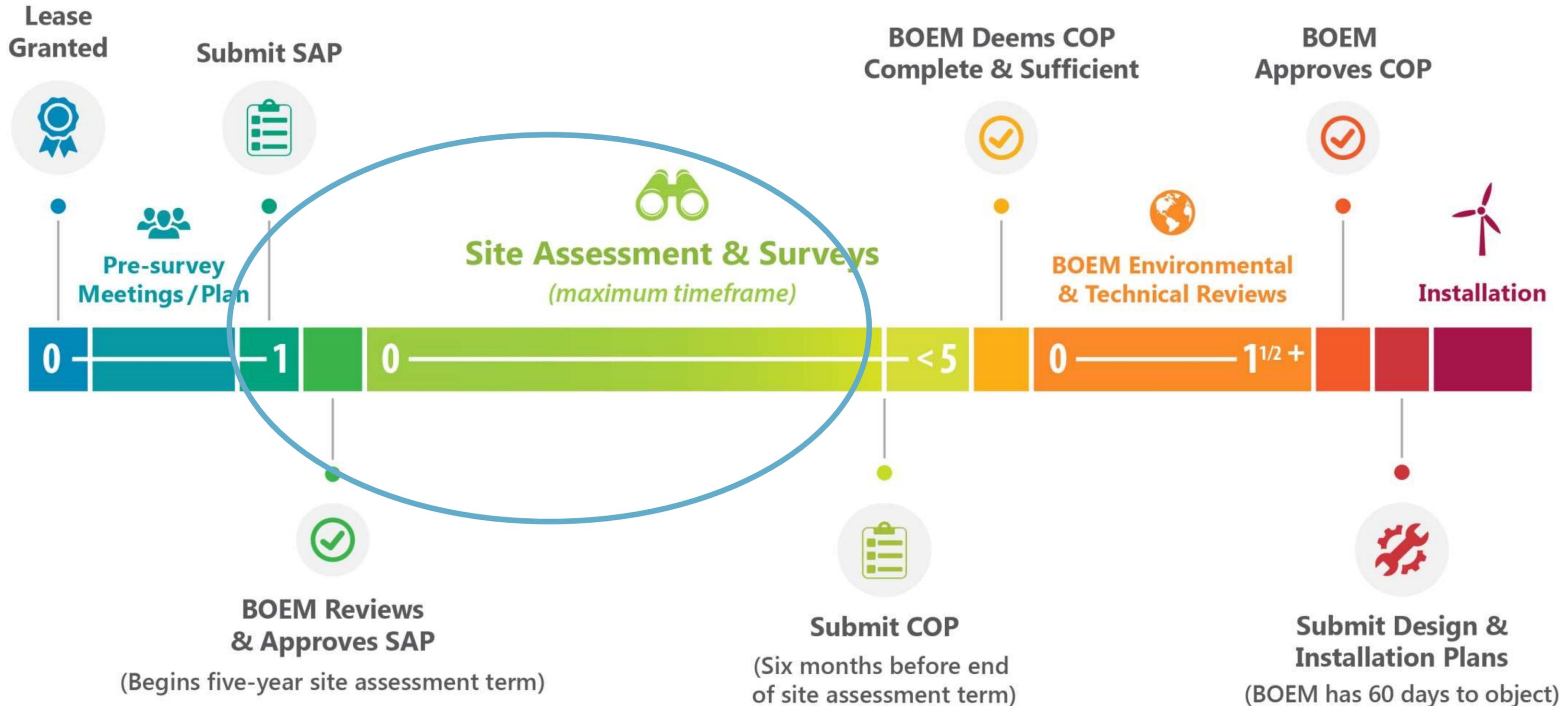


How is it  
processed?



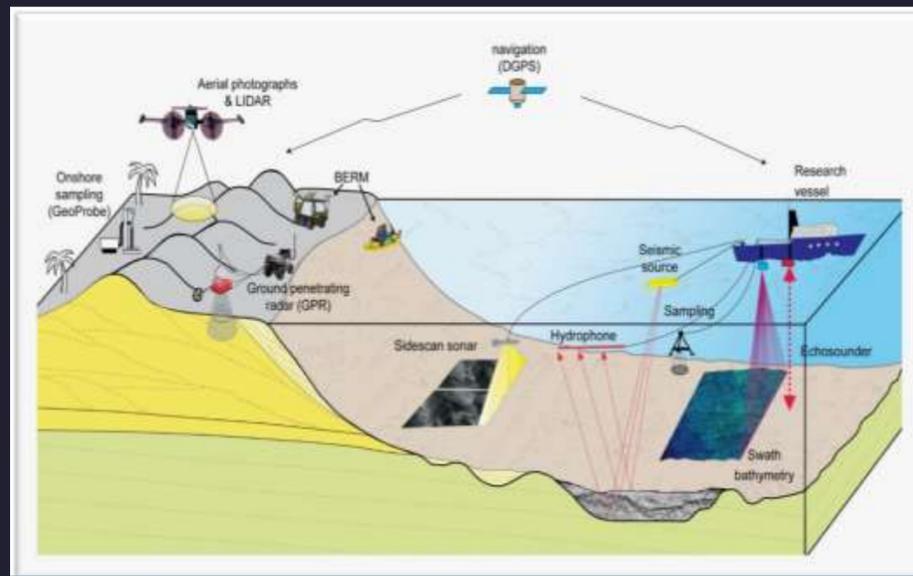
Looking ahead

# Development of a Utility-Scale Wind Energy OCS Lease

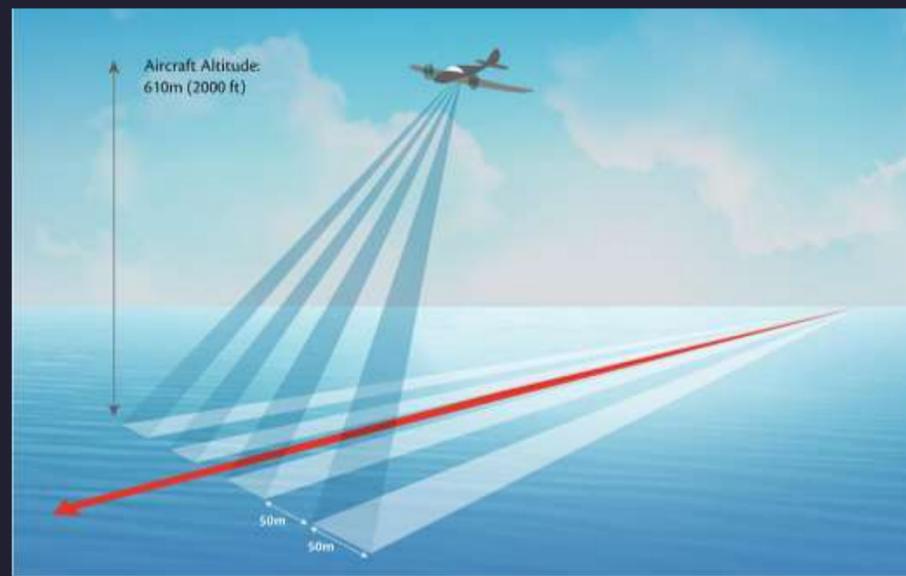


# Activities Covered by a Commercial Wind Lease

## Site Characterization Activities Only



**Covered by Lease: Yes**  
**Prerequisite: SAP/COP Survey Plan**



**Covered by Lease: Yes**  
**Perquisite: SAP/COP Survey Plan**

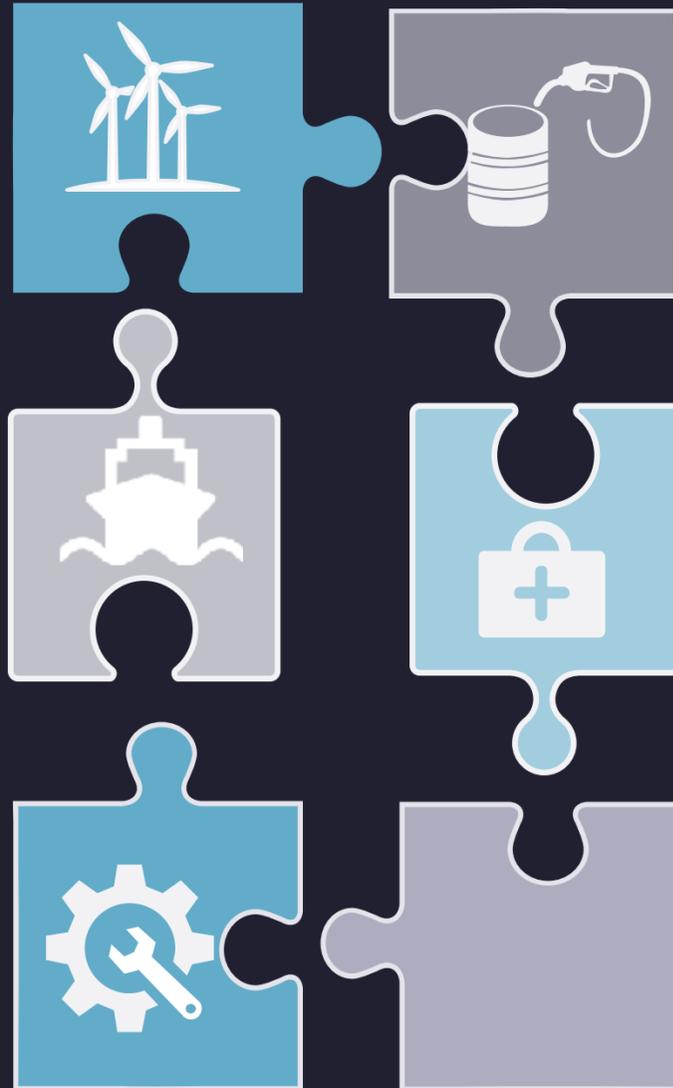


**Covered by Lease: No**  
**Prerequisite: Approved SAP and COP**

# Contents of a Construction & Operations Plan Package

## 30 CFR 585.626 and 585.627

- 1 Project Information**  
Describes all planned facilities and proposed activities including onshore and support facilities and the construction, operations and the conceptual decommissioning plans including project easements
- 2 Survey Results**  
Results and data derived from surveys conducted under a Lessee's COP Survey
- 3 Certification Verification Agent (CVA)**  
For Reports required in 30 CFR 585 Subpart G



- 4 Oil Spill Response Plan (OSRP)**  
As required by 30 CFR Part 254
- 5 Safety Management System (SMS)**  
As required in 30 CFR 585.810
- 6 Other Information & Certifications**  
Information needed to conduct process for NEPA & other relevant laws.

# A Construction & Operations Plan **must include:** 30 CFR 585.626



## Survey Results

- Shallow Hazards (Geophysical)
- Geological (Seismic & Faults)
- Geotechnical
- Archaeological (Marine and Terrestrial)
- Biological



## Overall Site Investigation Report

- Integrates findings of:
  - Shallow Hazards, Geological, and Geotechnical
  - Survey Results



## Project Information

- Contact Information
- Project Design
  - Structural, Fabrication & Installation

## Project Information (cont.)

- All Cables and Easements
- Supporting Vessels
- Operating Procedures and Systems
- Lease Compliance
- Proposed Monitoring & Mitigation
- Decommissioning & Site Clearance Procedures
- Coordination & Permit List
  - Air Quality
- Referenced Information
- Construction Schedule
- Financial Assurance
- Other Information
- CVA Nomination
- Waiver Request

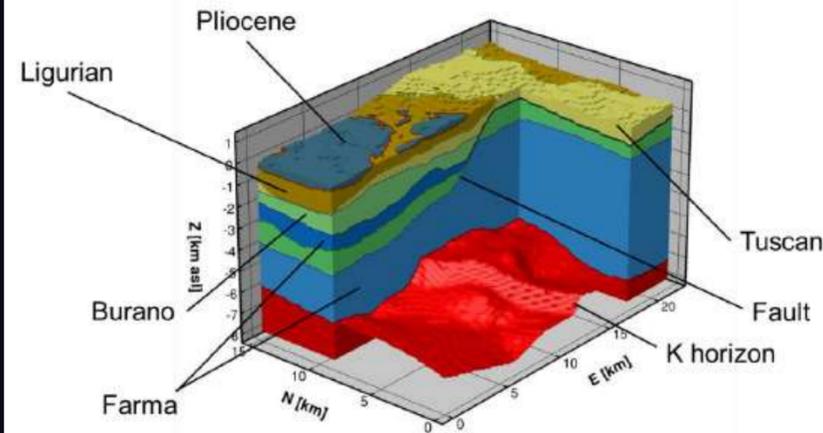


# Results of Survey Data

## 30 CFR 585.626(a)

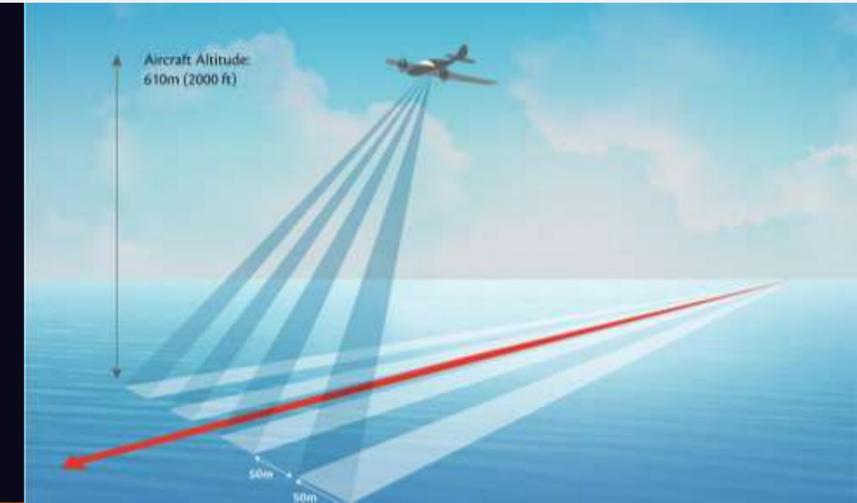
### Geophysical & Geotechnical

Geological Conditions, In Situ Testing; Stratigraphic and Engineering Properties, Faults



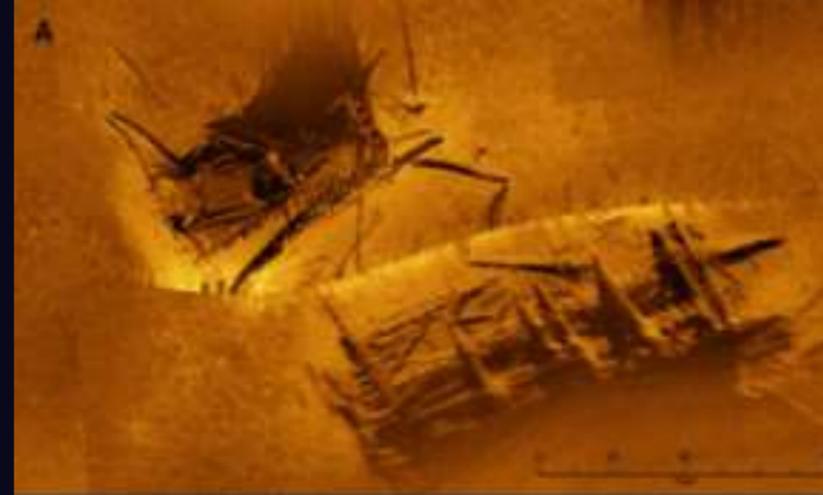
### Archaeological Surveys

Marine and Terrestrial



### Overall Investigation

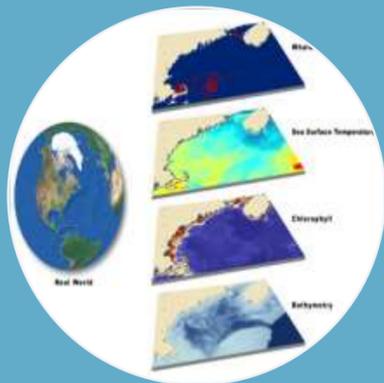
Integrates geophysical and geotechnical survey data including scour analysis.



### Biological Surveys

Topographic Features, Ocean Bottom Types, Fish, Marine Mammals, Sea Turtles, Avian

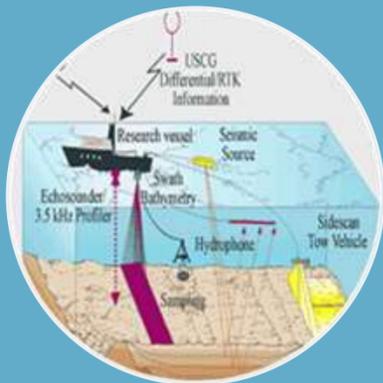
# Survey Guidelines



Guidelines for Submission of Spatial Data for Site Characterization Surveys (Feb. 2013)



Guidelines for Providing Avian Survey Information (Nov. 2013)



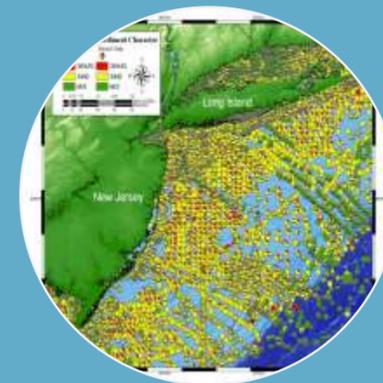
Guidelines for Providing Geological and Geophysical, Hazards Information (July 2015)



Guidelines for Archaeological and Historical Property Identification Surveys (March 2017)



Guidelines for Providing Information on Fisheries (Aug. 2013)



Guidelines for Providing Benthic Habitat Information (Nov. 2013)

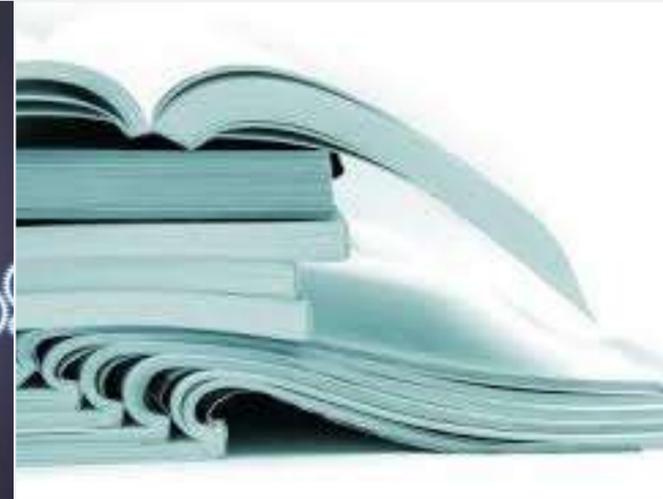
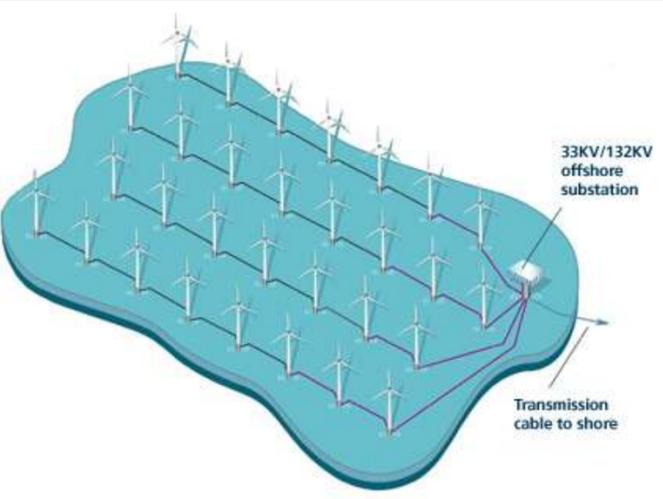


Guidelines for Providing Information on Marine Mammals and Sea Turtles (July 2013)

Survey Guidelines Can Be Found at: [www.boem.gov/Survey-Guidelines/](http://www.boem.gov/Survey-Guidelines/)

# Project Information

## 30 CFR 585.626(b)



# Information Submitted **with** a Construction & Operations Plan

## 30 CFR 585.627



### Other Information

- Hazard Information
- Water Quality
- Biological Resources
- Threatened and Endangered Species
- Sensitive Biological Resources or Habitats
- Archaeological Resources
- Social and Economic Resources
- Coastal and Marine Uses
- Consistency Certification
- Other Resources, Conditions, and Activities



### Oil Spill Response Plan (OSRP)

**Contents:**

- Emergency Response Action Plan
- Equipment Inventory
- Contractual Agreements

### OSRP (Cont.)

#### Contents (Cont.)

- Worst Case Discharge Scenario
- Dispersant Use Plan
- In Situ Burning Plan
- Training and Drills Plan
- Revisions
- Records
- Training



### Safety Management System (SMS)

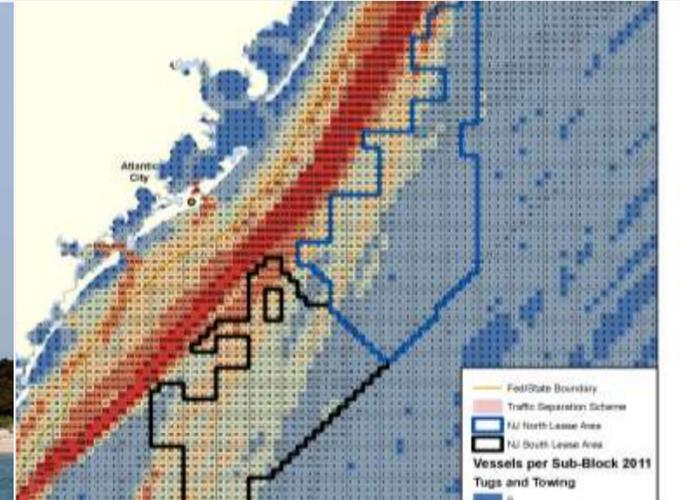
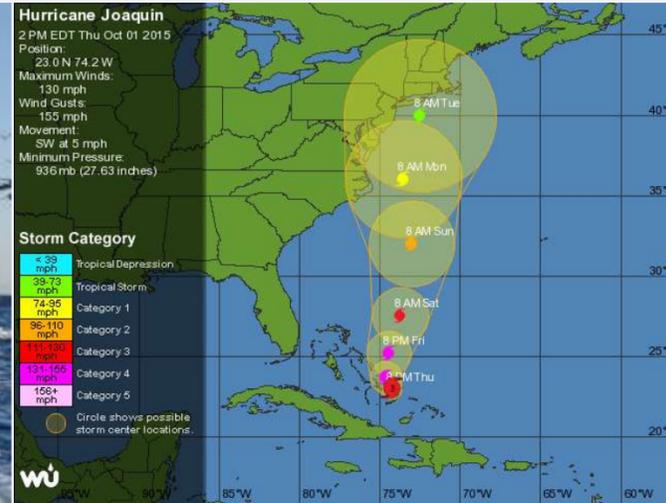
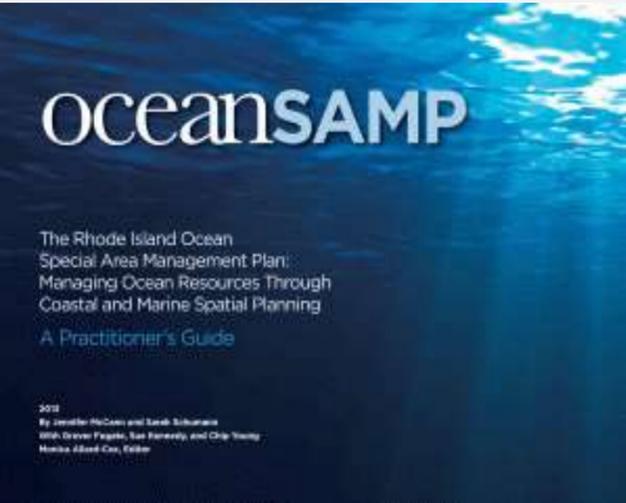
**Ensure Safety**

- Remote Monitoring, Control and Shut Down
- Emergency Response Procedures
- Fire Suppression Equipment, if need
- SMS Testing
- Proper Training
- Timeline for Functionality



# Other Information

## 30 CFR 585.627(a)



# Other Information

## 30 CFR 585.627(c-d)

### Safety Management System (SMS)

Remote Monitoring & Shutdown  
Emergency Response  
Fire Suppression



### Oil Spill Response Plan (OSRP)

As required by 30 CFR 254



### Safety Management System (SMS)

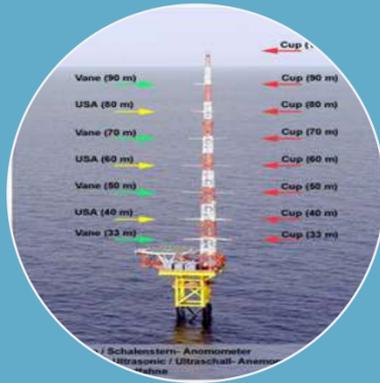
Human Safety  
Personnel Training  
SMS Testing



### OSRP

As Required by 30 CFR 254

# Plan Guidelines



Guidelines for Information Requirements for a Renewable Energy Site Assessment Plan (SAP)  
(Feb. 2016)



Guidelines for Information Requirements for a Renewable Energy Construction and Operations Plan (COP)  
(April 2016)



Guidelines for Providing Information on Fisheries, Social and Economic Conditions  
(October 2015)

Guidelines Can Be Found at: <http://www.boem.gov/National-and-Regional-Guidelines-for-Renewable-Energy-Activities/>

# A Construction and Operation Plan Must Demonstrate

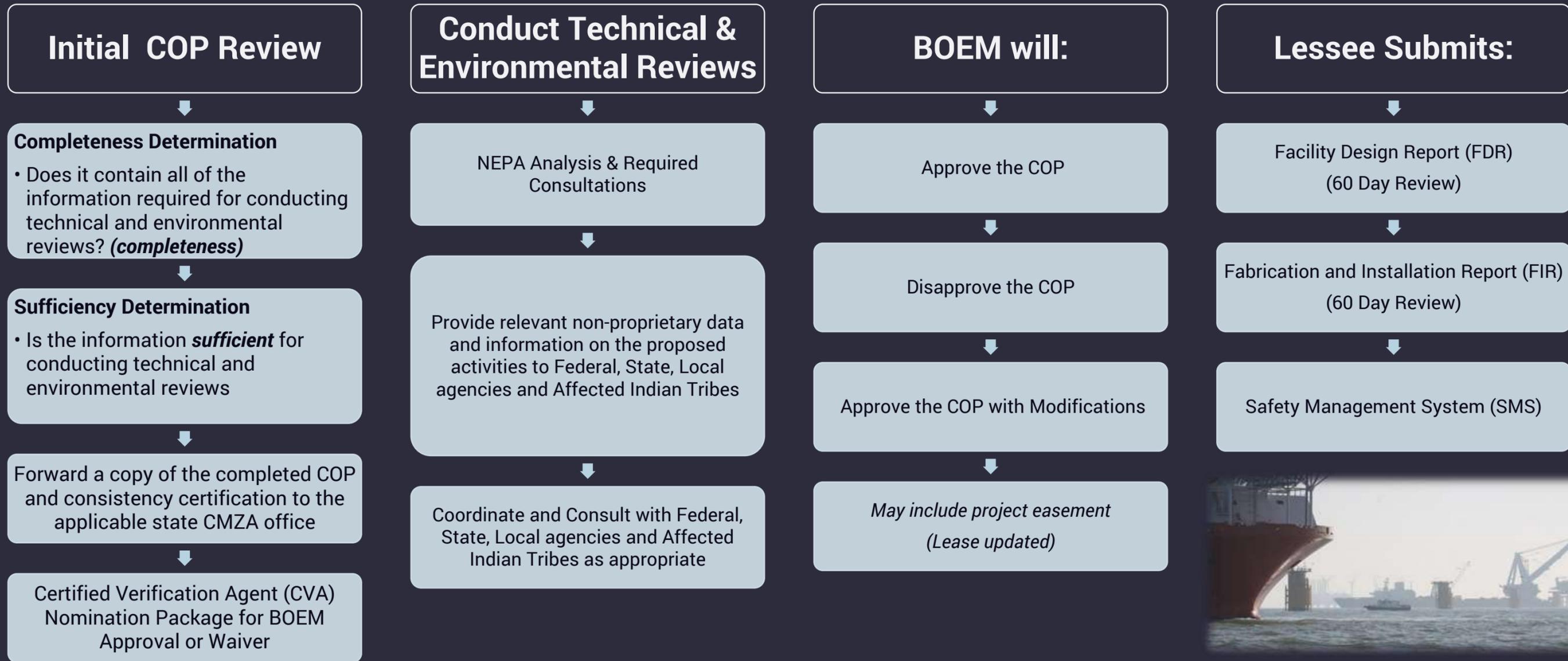
## 30 CFR 585.621

- Safe  
30 CFR 585.621(b)
- Uses Best Available and Safest Technology  
30 CFR 585.621(e)
- Use Properly Trained Personnel  
30 CFR 585.621(g)
- Practices Uses Best Management  
30 CFR 585.621(f)



- Conform to applicable laws, regulations, and lease provisions  
30 CFR 585.621(a)
- Do not unreasonably interfere with other uses of the OCS, including national security  
30 CFR 585.621(c)
- Do not cause undue harm or damage to natural resources; life; property; the marine, coastal, or human environment  
30 CFR 585.621(d)
- Do not cause undue harm or damage to sites, structures, or objects of historical or archaeological significance  
30 CFR 585.621(d)

# Construction and Operations Plan Review Process



# Anticipated Construction and Operation Plan Package Submissions Looking Forward



2018

OffshoreMW

2017



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# Q&A