

DOE-NETL Research Project Review  
Meeting - BSEE Overview  
BSEE– Overview of Technical Focus Areas

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*“To promote safety, protect the environment and conserve resources offshore through vigorous regulatory oversight and enforcement.”*



# Outer Continental Shelf Lands Act (OCSLA) Amendment

- The bipartisan Infrastructure Investment and Jobs Act was passed on November 15, 2021.
- The new law amends OCSLA, authorizing Department of Interior (DOI) to administer leases, easement, and rights-of-way on submerged federal lands for geologic sequestration (GS) of carbon dioxide.
- The new law also requires DOI to promulgate regulations within one year of the law's enactment.

# Rulemaking Overview

- Joint Rulemaking
  - Bureau of Safety and Environmental Enforcement (BSEE)
  - Bureau of Ocean Energy Management (BOEM)
- Extensive Outreach on the Proposed Rule
  - Industry, Domestic/International Regulators, Academia, NGOs, Tribal
- Publication of the Proposed Rule in the Federal Register (FR)
  - FR publication initiates comment period allowing the public to submit comments on the proposed rule
- Publication of the Final Rule in the Federal Register
  - Final rule will include BSEE's and BOEM's final regulations, rationale for the final regulations, and responses to all substantive comments

# Rulemaking Overview

- BSEE is currently reviewing numerous Industry standards and existing regulatory frameworks. BSEE is also actively engaging other Federal Agencies with associated expertise including but not limited to the Department of Energy (DOE).
- BSEE is actively evaluating existing
  - GS programs and frameworks and mapping the applicability to the OCS environment, and
  - BSEE regulations for utilization and augmentation within CO2 operations.

# BSEE Technical Mission Areas Include\*:

- Well Integrity
- Facility and Infrastructure Design and Installation
- Life Extension and Re-purposing of Existing Infrastructure
- Well Service Life Requirements
- Risk Assessment
- Emergency Response

\*Examples, not all-inclusive

# BSEE Technical Mission Areas Include\*:

- Well Integrity
  - Containment maintained in all potential environmental conditions
  - Dual barrier Leak path assessments (leak path assessments)
  - Data quality review when determining robustness of
- Life extension and the repurposing of existing infrastructure
  - Changes in load requirements
  - Assessment of existing condition
  - Duration of future use and anticipated loads
- Well service life requirements
  - Fit-for-service and fit-for-purpose
  - Seal and Metallurgic requirements
  - Temperature and pressure changes impact on zonal isolation
  - Longevity integrity assurance
- Risk assessment and mitigation
- Emergency response
  - Site and operational considerations
  - Evaluated based on identified failure mode

\*Examples, not all-inclusive

# Contact Information

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# Any Questions?

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