



OCS Scientific Committee Meeting May 2014

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Page Number	Discipline	Ranking	Study Title
231	PO	1	Development of a Very High-resolution Regional Circulation Model of Beaufort Sea Nearshore Areas
233	IM	2	Coastal Habitat Maps: Closing Spatial Gaps in ShoreZone Imagery and Data for the Cook Inlet Area
235	PO / SE	3	Synthesis of Sub-Seabed Physical Environmental Data for the Beaufort and Chukchi Seas
237	IM	4	Support for the Canada-United States Northern Oil and Gas Research Forum, 2014
239	SE	5	Traditional Knowledge Implementation: Accessing Arctic Community Panels of Subject Matter Experts
241	HE	6	Monitoring Fish in Chukchi and Beaufort Sea Lagoons and Nearshore Zones
243	MM	7	Estimation of Abundance and Demographic Rates of Pacific Walruses Using a Genetics-based Mark-Recapture Approach
245	MM	8	Field Evaluation of an Unmanned Aircraft System (UAS) for Studying Cetacean Distribution, Density, and Habitat Use in the Arctic
247	HE	9	Subtidal and Intertidal Habitats and Invertebrate Biota in Lower Cook Inlet, Alaska
249	MM	10	Cetacean Distribution, Abundance, and Ecology in Cook Inlet
253	IM	11	Alternative Energy Capacity Inventory in Coastal Alaska
255	MM	12	Habitat Use, Ecology, and Population Status of Polar Bears in the Chukchi Sea

Discipline Codes

AQ = Air Quality

IM = Information Management

PO = Physical Oceanography

FE = Fates & Effects

MM = Marine Mammals & Protected Species

SE = Social & Economic Sciences

HE = Habitat & Ecology



BOEM Information Need:

- Energy Act of 2005 relating to BOEM
- Cook Inlet oil and gas interest
- Natural gas reserves used by Anchorage will be depleted by ~2040



Date Information is Required:

- The Municipality of Anchorage is examining various options
- State of Alaska has incentivized oil & gas exploration and development in Cook Inlet
- Final report needed by 2017

Background:

- A) Alternative energy sources, solar, wind, hydrokinetic and geothermal power are gaining recognition
- B) This technological transformation merits examination
- C) Social benefits need to be granted consideration
- D) Examine regulatory management of projects to optimize social benefits and minimize adverse effects.



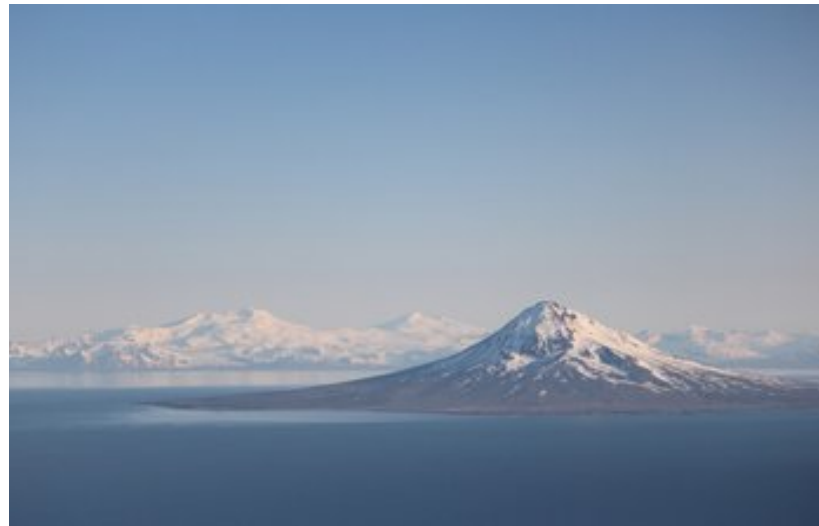
Background:

B) Relationship with Concurrent/Future Efforts

- A) *Regional Interest:* Geothermal prospects
- B) *State interest:* Legislature approved investment in pipeline
- C) *International Interest:* Institute of the North is exploring alternative energy resources



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Tentative Ranking: 11

Study's Objectives:

- 1) Establish clear understanding pertaining to development prospects in OCS.
- 2) Research data to evaluate specific alternative energy scenarios for the Alaska OCS Region.
- 3) Linkage with the Magplan study report.



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Methods:

- Systematic review.
- Literature review.
- Document necessary minimum thresholds.
- Document the range of social perspectives of anticipated benefits and impacts.
- Produce a realistic development scenario with a summary report.



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Addition *Pertinent* Information

- Explore the feasibility of using wind as an alternative resource.

