

<u>Alternatives, Deferrals, Mitigations, and Other Areal Concerns Suggested From Public Involvement Opportunities</u>				
<u>2012-2017 OCS Oil and Gas Leasing Program</u>				
(Last Updated July 2014)				
ID	Suggestion/Area of Interest/Area of Concern	Stage(s) Received	Stage(s) Considered and/or to be Considered	Status
OCS Program-Wide (OCS)				
1.	Include more areas of the OCS, particularly those areas included in the 2009 Draft Proposed Program	5-year, GOM Multi-sale, Lease Sale	5-year, GOM Multisale	As other areas were not included at either the Draft Proposed and/or Proposed Program, they may not be considered in later stages. All OCS areas will be considered in preparation of the next program.
2.	Delay drilling activities until more safety and environmental information is known with regards to the Deepwater Horizon oil spill causes and effects.	5-year, GOM Multi-Sale, Lease Sale	5-year, GOM Multisale, Lease Sale	Considered and analyzed as the no sale/no action alternative at the lease sale stage.
Atlantic (AT)				
Mid-Atlantic (AT.MA); South Atlantic (AT.SA)				
1.	Include the Mid- and South Atlantic, particularly the area offshore Virginia	5-year	5-year	These areas were not included in the Proposed Program therefore are not available for inclusion in the Proposed Final Program. An EIS evaluating seismic activity in the Mid- and South Atlantic was finalized in March 2014. Seismic work may commence later in 2014 to provide valuable resource information for consideration in the next 5-year program.
Gulf of Mexico				
Gulf of Mexico-Wide (GOM)				
1.	Exclude deep water	5-year and GOM Multisale	5-year and GOM Multisale	Considered but not analyzed in detail. See EIS at: BOEM 2012-019
2.	Delay leasing until drilling safety is improved	5-year and GOM Multisale	5-year and GOM Multisale, Lease Sale	Considered but not analyzed in detail. See EIS at: BOEM 2012-019
3.	Gulf of Mexico baseline	5-year, GOM Multisale, Lease Sale	5-year and GOM Multisale, Lease Sale	Considered but not analyzed in detail. See EIS at: BOEM 2012-019
4.	Identify and protect sensitive ecosystems	5-year and GOM Multisale, Lease Sale	5-year and GOM Multisale, Lease Sale	Considered in the 5-year but not analyzed in detail. Analyzed in the Multisale as excluding unleased blocks near topographic features in the WPA/CPA. See EIS at: BOEM 2012-

				019
5.	Defer any area within the military training range	Lease Sale	Lease Sale	Under consideration in ongoing lease-sale decisions.
6.	Archeological Resources in and around lease areas	Lease Sale	Lease Sale, post-lease decisions	Under consideration in ongoing lease-sale decisions.
Central Planning Area (GOM.C)				
1.	Do not allow drilling in areas with strong ocean currents such as the Loop current	5-year and GOM Multisale	5-year and GOM Multisale	Considered but not analyzed in detail. See EIS at: BOEM 2012-019
2.	OCS oil and gas activities affecting the Mississippi Barrier Islands	Lease Sale	Lease Sale	Impacts analyzed, no deferral analyzed. See EIS at: BOEM 2013-0118
3.	OCS oil and gas activities affecting the Gulf Islands National Seashore	Lease Sale	Lease Sale	Impacts analyzed, no deferral analyzed. See EIS at: BOEM 2013-0118
4.	OCS oil and gas activities affecting Baldwin County, Alabama coastline	5-year, GOM Multisale, Lease Sale	Lease Sale	Lease stipulation was considered for CPA Lease Sales 227 and 231 and is being considered for LS 235, 241, and 247. See EIS at: BOEM 2012-019 ; BOEM 2013-0118 ; and BOEM 2014-655
5.	OCS oil and gas activities affecting Louisiana's Coastal Wetlands	Lease Sale	Lease Sale	Impacts analyzed, no deferral analyzed. See EIS at: BOEM 2012-019 ; BOEM 2013-0118 ; and BOEM 2014-655
6.	12-mile buffer off of Mississippi's coast	Lease Sale	Lease Sale	Considered but not analyzed in detail. See EIS at: BOEM 2013-0118
Eastern Planning Area (GOME)				
1.	Do not allow drilling in areas with strong ocean currents such as the Loop current	5-year and GOM Multisale	5-year and GOM Multisale	Considered but not analyzed in detail. See EIS at: BOEM 2012-019
2.	Include more of the Eastern Planning area for leasing consideration	5-year, Lease Sale	5-year	This is not a viable suggestion because it is out of scope of the 2012-2017 Program.
3.	Defer any area within the military training range - Keep all OCS activity west of the military mission line in the EPA to reduce inference with military training operations.	Lease Sale	Lease Sale	Under consideration in ongoing lease-sale decisions. Currently, there are restrictions until 2022 as part of the Gulf of Mexico Energy Security Act of 2006 on new lease activity in that portion of the EPA within 125 miles of Florida, all areas in the Gulf of Mexico east of the Military Mission Line (86° 41' west longitude), and the area within the CPA that is within 100 miles of Florida.

4.	Require acoustic-related mitigations to reduce impacts to marine mammals and other species	Lease Sale	Lease Sale	Under consideration in ongoing lease-sale decisions.
5.	Sales should be postponed until better scientific information is available concerning the impact the DWH Event has had on the EPA.	Lease Sale	Lease Sale	Considered and analyzed as the no sale/no action alternative at the lease sale stage.

Alaska

Alaska-Wide (AK)

1.	Ecologically and culturally important areas	5-year	5-year, Lease Sale	Considered but not analyzed in detail in 5-year. Will be considered in greater detail at subsequent stages.
2.	Important subsistence and biological areas	5-year	5-year, Lease Sale	Considered and partially addressed in 5-year. Will be analyzed further and considered in greater detail at subsequent stages.
3.	Create buffers around sensitive areas and resources	5-year	5-year, Lease Sale	Considered and partially addressed in 5-year. Will be analyzed further and considered in greater detail at subsequent stages.
4.	Protect areas upstream and downstream of important ecological areas	5-year	5-year, Lease Sale	Considered but not analyzed in detail in 5-year. Will be considered in greater detail at subsequent stages.
5.	Areas that will protect both bowhead whales and subsistence communities	5-year	5-year, Lease Sale	Considered and partially addressed in 5-year. Will be analyzed further and considered in greater detail at subsequent stages.
6.	Seasonal restrictions in subsistence areas	5-year	5-year, Lease Sale, Exploration Plan	Considered but not analyzed in detail in 5-year. Will be considered in greater detail at subsequent stages.
7.	Restrictions during migratory, breeding, and birthing periods	5-year	5-year, Lease Sale, Exploration Plan	Considered but not analyzed in detail in 5-year. Will be considered in greater detail at subsequent stages.
8.	Delay leasing until adequate spill control and response available	5-year	5-year, Lease Sale	Considered and partially addressed in 5-year. Will be analyzed further and considered in greater detail at subsequent stages.

Chukchi Sea Planning Area (AK.CS)

d.1.	Hanna Shoal	5-year	5-year, Lease Sale, Call for Information and Nominations	Considered but not analyzed in detail in 5-year. A BOEM study of this area started in 2013. Area ID excludes a portion of area, remainder will be considered in the subsequent NEPA
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			(Call), Area Identification (ID)	process Commenters: Ocean Conservancy, Marine Mammal Commission, US Fish and Wildlife Service, North Slope Borough
d.2.	Herald Shoal	5-year	5-year, Lease Sale, Call, Area ID	Considered but not analyzed in detail in 5-year. Area ID excludes a portion of area, remainder will be considered in the subsequent NEPA process. Commenter: Ocean Conservancy
d.3.	Areas offshore of Point Barrow	5-year	5-year, Lease Sale Call, Area ID	Area around Point Barrow was deferred in the approved program as presented at the Proposed Final Five-Year Program stage.
d.4.	Chukchi Ice lead system	5-year	5-year, Lease Sale, Call, Area ID	Chukchi Sea Program Area excludes 25 mi buffer area along the Chukchi coast and therefore removes a portion of the lead system from consideration for leasing. Area ID excludes a portion of area, remainder will be considered in the subsequent NEPA process Commenters: North Slope Borough, Marine Mammal Commission, Ocean Conservancy
d.5.	Barrow Canyon	5-year	5-year, Lease Sale, Call, Area ID	Chukchi Sea Program Area excludes 25 mi buffer area along the Chukchi coast and a larger area around Barrow, thereby excluding Barrow Canyon from the area considered for leasing. Area ID excludes a portion of area, remainder of area bordering Canyon will be considered in the subsequent NEPA process. Commenters: Ocean Conservancy, Marine Mammal Commission
d.6.	Buffers around boulder areas such as Kasegaluk Lagoon, Peard Bay, near Skull Cliffs, 25 km (16 mi) southwest of Wainwright	5-year	5-year, Lease Sale, Call, Area ID	Chukchi Sea Program Area excludes 25 mi buffer area along the Chukchi coast and therefore buffers these coastal features. Area ID excludes areas adjacent to buffer.
d.7.	During Bowhead whale migration	5-year	5-year, Lease Sale, Call	Considered but not analyzed in detail in 5-year. Will be considered in greater detail at subsequent stages. See relevant mitigation measures below. Commenters: Alaska Eskimo Whaling Commission, North Slope Borough
d.8.	Northern Program Area	Call	Area ID, Lease Sale EIS	Area ID excludes a portion of area, remainder will be considered in the subsequent NEPA process. Commenters: Marine Mammal Commission, World Wildlife

				Federation
d.9.	Polar Bear Use Area	Call	Area ID, Lease Sale EIS	Area ID excludes a portion of area, remainder will be considered in the subsequent NEPA process and the Biological Evaluation. Commenter: US Fish and Wildlife Service
d.10.	Ledyard Bay Critical Habitat Unit	Call, Area ID	Area ID	Unit is excluded in Area ID. Commenter: US Fish and Wildlife Service
d.11.	Chukchi Beluga Deferral (Point Lay eastward)	Arctic Standards	Area ID, Lease Sale EIS	Chukchi Sea Program Area excludes 25 mi buffer area along the Chukchi coast, thereby deferring the area. Area ID excludes areas adjacent to buffer.
m.1.	Avoiding potential impacts of pollution from oil and gas activities through support of a zero discharge policy	Call	Area ID, Lease Sale EIS	Consider in Lease Sale EIS. Commenter: Northwest Arctic Borough
m.2	Compulsory marine pilotage for oil and gas and shipping vessels	Call	Area ID, Lease Sale EIS	Consider in Lease Sale EIS. Commenter: Northwest Arctic Borough
m.3.	Continue to restrict open exploration activities to the open water season of July 1 to October 31	Call	Area ID, Lease Sale EIS	Consider in Lease Sale EIS. Commenter: Marine Mammal Commission
m.4.	Require that lessees engage annually, in the Conflict Avoidance Agreement (CAA) process in an effort to reach agreement on appropriate mitigation measures	Call	Area ID, Lease Sale EIS	Consider in Lease Sale EIS. Commenter: Alaska Eskimo Whaling Commission
m.5.	Require use of Communication Centers	Call	Area ID, Lease Sale EIS	Consider in Lease Sale EIS. Commenter: Alaska Eskimo Whaling Commission
m.6.	To avoid interference with St. Lawrence bowhead whale hunting, require operators to complete transit through Bering Strait to a point south 59° north latitude no later than November 15	Call	Area ID, Lease Sale EIS	Consider in Lease Sale EIS. Commenter: Alaska Eskimo Whaling Commission
m.7.	Require lessees coordinate timing and location of geological and geophysical (g&g) activities so as to reduce noise to the greatest extent	Call	Area ID, Lease Sale EIS	Consider in Lease Sale EIS. Commenter: Alaska Eskimo Whaling Commission

	reasonably possible			
m.8.	At a minimum, require use of best available discharge technology and require monitoring to assess impacts to marine mammals and their availability for subsistence hunting and to assess contamination from any permitted discharges.	Call	Area ID, Lease Sale EIS	Consider in Lease Sale EIS. Commenter: Alaska Eskimo Whaling Commission
m.9.	Require lessees obtain on-site background air quality and meteorology data prior to submitting EP or DPP	Call	Area ID, Lease Sale EIS	Consider in Lease Sale EIS. Commenter: Alaska Eskimo Whaling Commission
m.10.	Update Stipulation 4, Industry Site-Specific Monitoring Program for Marine Mammal Subsistence Resources, to reflect actual efforts and lessons learned through program to date. Require monitoring that result in collection of enough and right type of data to establish in a statistically robust way, when marine mammals are present, their population numbers, distribution, and movement patterns and behavior. Require all operations involve far-field monitoring with preference for aerial surveys whenever possible and appropriate. Require explicitly that observers document visibility during observation periods. Require monitoring wherever impacts might affect bowhead whales or subsistence activities. Clarify that a Letter of Authorization or Incidental Harassment Authorization is sufficient only if all the monitoring requirements of the stipulation are included and required in the Authorization(s).	Call	Area ID, Lease Sale EIS	Consider in Lease S Commenter: Alaska Eskimo Whaling Commission ale EIS.
m.11.	Update Stipulation 5, Conflict Avoidance Mechanisms to Protect Subsistence Whaling and Other Marine Mammal Subsistence-Harvesting Activities, to incorporate specific recommendation to require lessees participate in annual CAA process, eliminate reference to “unreasonable Conflict” and align with “no unmitigatable adverse impact” standard, maintain requirement that negotiation process between company and AEWC	Call	Area ID, Lease Sale EIS	Consider in Lease Sale EIS. Commenter: Alaska Eskimo Whaling Commission

	occurs before the operator has submitted its EP, and extend the applicability of the Stipulation to all CS leases.			
m.12.	Require dismantle, remove, and restoration (DR&R) lease condition for all structures involved the exploration, development, production and abandonment of lease sale area	Call	Area ID, Lease Sale EIS	Consider in Lease Sale EIS.
m.13.	Require CAA for other Marine Mammal User Groups	Arctic Standards	Area ID, Lease Sale EIS	Consider in Lease Sale EIS. Commenter: North Slope Borough
m.14.	Require multi-year site-specific pre-activity study of leased areas before exploration or development may occur	Arctic Standards	Area ID, Lease Sale EIS	Consider in Lease Sale EIS. Commenter: North Slope Borough
m.15.	Limit drilling into oil formations in the Arctic to ice-free periods and drilling must be completed to allow sufficient time for adequate spill response, if needed.	Arctic Standards	Area ID, Lease Sale EIS	Consider in Lease Sale EIS. Commenter: North Slope Borough
m.16.	Require use of subsea pipelines for all offshore oil and gas transported to shore. Prohibit the use of offshore loading facilities in the CS. Offshore facilities, transportation and utility corridors must be consolidated, sited and constructed to allow for free passage and movement of fish and wildlife. Prohibit pipeline construction during critical migration periods for fish and wildlife.	Arctic Standards	Area ID, Lease Sale EIS	Consider in Lease Sale EIS. Commenter: North Slope Borough
Beaufort Sea Planning Area (AK.BS)				
1.	Barrow Canyon	5-year	5-year, Lease Sale, Exploration Plan	Considered but not analyzed in detail in 5-year. Will be considered in greater detail at subsequent stages.
2.	In Camden Bay during Nuiqsit and Kaktovik bowhead hunts	5-year	5-year, Lease Sale, Exploration Plan	Considered but not analyzed in detail in 5-year. Will be considered in greater detail at subsequent stages.
3.	Within 24-97 km (15-60 mi) of the coast	5-year	5-year, Lease Sale	Considered but not analyzed in detail in 5-year. Will be considered in greater detail at subsequent stages.
4.	32 km (20 mi) to east of Cross	5-year	5-year, Lease	Considered but not analyzed in detail in 5-year. Will be considered in

	Island		Sale	greater detail at subsequent stages.
5.	Areas offshore of Cross island	5-year	5-year, Lease Sale	Considered but not analyzed in detail in 5-year. Will be considered in greater detail at subsequent stages.
6.	All Beaufort Sea areas essential for the success of subsistence whaling	5-year	5-year, Lease Sale	Considered but not analyzed in detail in 5-year. Will be considered in greater detail at subsequent stages.
7.	Areas offshore of Boulder Patch	5-year	5-year, Lease Sale	Considered but not analyzed in detail in 5-year. Will be considered in greater detail at subsequent stages.
8.	Areas offshore of Camden Bay	5-year	5-year, Lease Sale	Considered but not analyzed in detail in 5-year. Will be considered in greater detail at subsequent stages.
9.	Along coast of the Arctic Refuge and Teshekpuk Lake (Beaufort)	5-year	5-year, Lease Sale	Considered but not analyzed in detail in 5-year. Will be considered in greater detail at subsequent stages.
10.	During bowhead migration and Nuiqsut whaling	5-year	5-year, Lease Sale, Exploration Plan	Considered but not analyzed in detail in 5-year. Will be considered in greater detail at subsequent stages.
Cook Inlet Planning Area (AK.CI)				
d.1.	Defer northern portion of lease sale area because of uncertain risks to area beluga whale population	Area ID	Lease Sale EIS	Same as "no action" alternative under the NEPA process. Commenter: Marine Mammal Commission
d.2.	Defer blocks that may adversely affect natural and cultural resource values of National Park Service (NPS) units within area.	Area ID	Lease Sale EIS	Area ID reduces effects to parks, preserves, and refuges. Consider in Lease Sale EIS. Commenter: NPS, Alaska Region
d.3.	Defer Beluga Whale Critical Habitat	Area ID	Lease Sale EIS	Area ID excludes most of Critical Habitat. Consider in Lease Sale EIS.
d.4.	Defer Northern Sea Otter Critical Habitat	Area ID	Lease Sale EIS	Area ID excludes most of Critical Habitat. Consider in Lease Sale EIS.
m.1.	Set minimum required contribution per tract leaseholder to Cook Inlet Regional Citizens Advisory Council	Area ID		DOI has no authority to require such payments by lessees. Commenter:

	(CIRCAC) to use for Council's Oil Pollution Act of 1990 mandated programs.			CIRCAC
m.2.	Ensure that future lease sale submissions possess a sufficient measure of oil spill response capabilities.	Area ID		Consider in Lease Sale EIS. Commenter: CIRCAC