

Conversation Contents

Secretarial Orders -- status of USGS milestones

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/57. Secretarial Orders -- status of USGS milestones/1.2 Secretarial Orders 3349 and 3352 -- Energy and Minerals.xlsx

/57. Secretarial Orders -- status of USGS milestones/2.1 Secretarial Orders-USGS Status.xlsx

"Nowakowski, Judy" <jnowakowski@usgs.gov>

From: "Nowakowski, Judy" <jnowakowski@usgs.gov>
Sent: Wed Dec 06 2017 15:27:03 GMT-0700 (MST)
To: Andrea Travnicek <andrea_travnicek@ios.doi.gov>
"Karen (Kerry) Rae" <kerry_rae@ios.doi.gov>, William Werkheiser <whwerkhe@usgs.gov>, David Applegate <applegate@usgs.gov>,
CC: Joanne Taylor <jctaylor@usgs.gov>, William Lukas <wlukas@usgs.gov>
Subject: Secretarial Orders -- status of USGS milestones
Attachments: Secretarial Orders - USGS Ecosystems - 3353 (2).xlsx Secretarial Orders 3349 and 3352 -- Energy and Minerals.xlsx

Hi Andrea,

Attached are USGS milestone reports related to Secretarial Orders 3349 (American Energy Independence), 3352 (National Petroleum Reserve-Alaska), and 3353 (Greater Sage-Grouse Conservation and Coordination with Western States).

Also, although USGS is not directly engaged in other of the SOs our science often supports the efforts of those who are (see Note below), with a number of those supporting projects being tracked in conjunction with our Top Twelve Priorities.

Please let us know if you have questions.

Thanks!

Note:

Secretarial Orders 3347 (Conservation Stewardship and Outdoor Recreation) and 3356 (Hunting, Fishing, Recreational Shooting, and Wildlife Conservation Opportunities and Coordination with States, Tribes, and Territories) are directed towards the Assistant Secretaries of Fish, Wildlife, and Parks, and Lands and Minerals Management, and pertain directly to management actions of the U.S. Fish and Wildlife Service (USFWS), Bureau of Land Management (BLM), and National Park Service (NPS). Both orders also reference the Wildlife and Hunting Heritage Conservation Council (WHHCC), who the Department is required to collaborate with in fulfilling these Orders. The USGS serves the interests of the Bureaus in their efforts to fulfill the mandates of these Orders through applied research sponsored by the Bureaus and the States. The USGS also communicates, along with the other Bureaus, with the WHHCC.

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Secretarial Order 3350 (America-First Offshore Energy Strategy) is directed toward the Bureau of Ocean Energy Management (BOEM), Bureau of Safety and Environmental Enforcement (BSEE), the Counselor to the Secretary for Energy Policy, and the Office of the Secretary and enhances opportunities for energy exploration, leasing, and development of the Outer Continental Shelf (OCS); establishes regulatory certainty for OCS activities; and enhances conservation stewardship. While USGS science is not directly captured under this Secretarial Order, the USGS works with BOEM to deliver priority science for decision making about energy development in the OCS. The science resulting from USGS studies is directly utilized by BOEM in environmental documents, consultations, and management decisions and supports the development of the Nation's energy security.

"Lukas, William" <wlukas@usgs.gov>

From: "Lukas, William" <wlukas@usgs.gov>
Sent: Thu Jan 11 2018 07:00:21 GMT-0700 (MST)
To: "Nowakowski, Judy" <jnowakowski@usgs.gov>, Joanne Taylor <jctaylor@usgs.gov>
CC: William Werkheiser <whwerkhe@usgs.gov>, David Applegate <applegate@usgs.gov>
Subject: Re: Secretarial Orders -- status of USGS milestones
Attachments: Secretarial Orders-USGS Status.xlsx

Judy and Joanne

I am suggesting that we update our spreadsheet to include tab for the most recent (and currently active) SO on Critical minerals. I've gone ahead and inserted the new tab, with some very simple draft text on milestones. Thanks.

* * * * *

Bill Lukas | 202-208-4457
USGS Liaison to Water & Science
asws_liaison@usgs.gov

On Wed, Dec 6, 2017 at 5:27 PM, Nowakowski, Judy <jnowakowski@usgs.gov> wrote:

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"Nowakowski, Judy" <jnowakowski@usgs.gov>

From: "Nowakowski, Judy" <jnowakowski@usgs.gov>
Sent: Thu Jan 11 2018 10:57:54 GMT-0700 (MST)
To: "Lukas, William" <wlukas@usgs.gov>
CC: Joanne Taylor <jctaylor@usgs.gov>, William Werkheiser <whwerkhe@usgs.gov>, David Applegate <applegate@usgs.gov>
Subject: Re: Secretarial Orders -- status of USGS milestones

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On Thu, Jan 11, 2018 at 9:00 AM, Lukas, William <wlukas@usgs.gov> wrote:
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Secretarial Order 3352, "National Petroleum Reserve - Alaska" - U.S. Geological Survey Energy & Minerals Mission Area		
Goal		
3352 - Joint Plan (USGS-BLM-BOEM) Response for Resource Assessment		
Objective		
Provide updated estimates of oil and natural gas resources of the Alaska North Slope (ANS)		
Task		
USGS will lead resource assessment updates on the ANS in coordination with BOEM and BLM. This joint plan, submitted to the Counselor for Energy Policy within DOI, calls for updating assessments of undiscovered, technically recoverable oil and natural gas resources on the ANS, focusing on Federal lands including the National Petroleum Reserve-Alaska (NPRA) and the Section 1002 Area of the Arctic National Wildlife Refuge (ANWR). Specifically, these assessments will include areas including the NPRA, ANWR, the Central North Slope (areas between NPRA and ANWR), and areas West of NPRA.		
	Planned Due	
Milestones	Date	Status
Conduct NPRA oil and natural gas resource assessment and release same. Involves integration of existing geological, geophysical and geochemical data collected through ERP's Alaska Petroleum Systems Project.	12/31/2017	In progress; assessment release expected around December 20, 2017. DOI and Congressional briefings are being planned along with a media event.
ANWR (1): Conduct ANWR oil and natural gas resource assessment and release same. Involves the reprocessing of vintage (mid-1980s) 2D seismic data.	12/30/2018	Contract being finalized for reprocessing 1450 line miles of 2D seismic; should be awarded by 12/31/2017. Reprocessing will take ~6 months; interpretation to follow afterwards.
ANWR (2): Conduct ANWR oil and natural gas resource assessment and release same. Involves the acquisition of a 3D seismic survey over ANWR, which USGS will neither procure nor manage (i.e., industry consortium to acquire).	12/30/2019 (but could slip to 12/30/2020)	3D seismic acquisition expected during winter of 2017-18, with interpretation to follow (end of 2019). If 3D is not acquired in winter of 2018-19 then assessment completion will be delayed by one year (end of 2020).
Conduct Central North Slope oil and natural gas resource assessment and release same. Evaluation to be based on evaluation of the public release of existing tax-incentive 3D seismic data.	12/30/2020	No activity yet; is lower on the priority list for completion but due for 2020 completion per accelerated overtarget schedule
Conduct oil and natural gas resource assessment for areas west of the NPRA and release same. Evaluation to include a review with BOEM of seismic data in the Chukchi Sea.	12/30/2020	No activity yet; is lower on the priority list for completion but due for 2020 completion per accelerated overtarget schedule
Point of Contact		
Name: Walter Guidroz Phone #: 703-648-6421		
Bureau Director - U.S. Geological Survey		
Name: William Werkheiser Phone #: 703-648-7411		
Assistant Secretary - Water & Science		
Name: Andrea Travnicek Phone #: 202-208-3186		
Updated as of: 10/12/2017		

Secretarial Order 3349, "American Energy Independence" - U.S. Geological Survey Energy & Minerals Mission Area		
Goal		
3349 - Support development or utilization of domestically produced energy resources, with particular attention to oil, natural gas, coal, and nuclear resources		
Objective		
Provide updated estimates of oil, natural gas, coal, uranium, and geothermal energy resources for the Nation and globally (global resource assessments not included here)		
Task		
USGS will develop new and update existing assessments of undiscovered, technically recoverable energy resources.		
Planned Due		
Milestones	Date	Status
Oil and Natural Gas		
Wolfcamp Formation, Delaware Basin oil and gas (TX, NM)	FY 2018	
Bakken Formation, Williston Basin oil and gas (ND, MT)	FY 2018	
Marcellus Formation, Appalachian Basin oil and gas (NY, PA, MD, WV, OH)	FY 2018	
North-Central Montana oil and gas (MT)	FY 2018	
Mesaverde Formation, Piceance Basin oil and gas (UT, CO)	FY 2018	
Susitna Basin oil and gas (AK)	FY 2018	
Chukchi Borderland oil and gas (AK/Russia)	FY 2018	
San Juan Basin oil and gas (NM, CO)	FY 2019	
Mesaverde Formation, Uinta Basin oil and gas (UT)	FY 2019	
Wyoming Thrust Belt oil and gas (UT, WY)	FY 2019	
Utica Shale, Appalachian Basin oil and gas (NY, PA, MD, WV, OH)	FY 2019	
Denver Basin oil and gas (CO, WY)	FY 2020	
Powder River Basin oil and gas (WY, MT)	FY 2020	
Southwest Wyoming Basin oil and gas (CO, WY)	FY 2020	
Montana Thrust Belt oil and gas (MT)	FY 2020	
Copper River Basin oil and gas (AK)	FY 2020	
Alaska North Slope oil and natural gas assessments: see S.O. 3352 tab for detail		
NPRA oil and gas (AK)	12/31/2017	
ANWR (1) oil and gas (AK)	12/30/2018	
ANWR (2) oil and gas (AK)	12/30/2019 (could slip to 12/30/2020)	
Central North Slope oil and gas (AK)	12/30/2020	
West of NPRA oil and gas (with BOEM; AK, Chukchi Sea)	12/30/2020	
Uranium		
Calcrete/Southern High Plains uranium (TX, NM, OK)	11/30/2017	Completed; released 11/14/2017
Metasomatite uranium (VA)	12/31/2019	
Coal		
Greater Green River Basin (WY, CO)	FY 2018	
Geothermal		
First deployment of new unmanned aerial system-based instrumentation for unconventional/enhanced geothermal energy "heat mapping" (joint with NASA, DOE, US Navy, and industry)	5/30/2018	
Play Fairway Analysis Phase III report verifying new conventional geothermal resource assessment method (joint with DOE)	4/30/2019	
Gas Hydrate		
Gas hydrate long-term production test with DOE (AK)	FY 2018	
Alaska North Slope Gas Hydrate Assessment	FY 2019	
Gulf of Mexico expedition (gas hydrate)	FY 2020	
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U.S. Geological Survey Status on Secretarial Orders

SO#	Title	Mission Area	Update Status
S03349	American Energy Independence	EMR	10/12/17
<u>S03352</u>	National Petroleum Reserve-Alaska	EMR	10/12/17
S03353	Greater Sage-grouse Conservation and Cooperation with Western States	ECO	12/06/17
<u>S03359</u>	Critical Mineral Independence and Security	EMR	01/16/18 in progress

Secretarial Order 3349, "American Energy Independence"
U.S. Geological Survey - Energy & Minerals Mission Area

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