



U.S. Department of the Interior  
Bureau of Land Management

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# Finding of No Significant Impact

June 21, 2018 Competitive Lease Sale Parcels DOI-BLM-WY-D000-2018-0001-EA

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June 2018

The BLM's multiple-use mission is to sustain the health and productivity of the public lands for the use and enjoyment of present and future generations. The Bureau accomplishes this by managing such activities as outdoor recreation, livestock grazing, mineral development, and energy production, and by conserving natural, historical, cultural, and other resources on public lands.

**DOI-BLM-WY-D000-2018-0001-EA**

**FINDING OF NO SIGNIFICANT IMPACT**  
**Environmental Assessment**

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**June 21, 2018 Competitive Lease Sale Parcels**

**INTRODUCTION:**

The Bureau of Land Management (BLM) has prepared an Environmental Assessment (EA) (DOI-BLM-WY-D000-2018-0001-EA) to address offering certain lease parcels within the High Desert District (HDD) in Carbon, Sublette, Sweetwater, and Uinta counties at the June 21, 2018 BLM Wyoming Competitive Oil and Gas Lease Sale. Under the Proposed Action, the BLM would offer for sale one hundred and sixty-three (163) parcels, containing approximately 199,701.789 acres of Federal minerals. Under the proposed action, these parcels are located in a combination of Priority Habitat Management Areas (PHMA) (44 whole and portions of 30 parcels) and General Habitat Management Areas (GHMA) (89 whole and portions of 30 parcels) for the Greater Sage Grouse (GSG), administered by the Kemmerer, Pinedale, Rawlins, and Rock Springs Field Offices (FOs). Standard terms and conditions as well as parcel specific timing limitation, no surface occupancy, and controlled surface use stipulations have been attached to the parcels as specified through the EA. Lease stipulations were added to each parcel consistent with the HDD FO Resource Management Plans (RMP), as amended by the Wyoming Approved Resource Management Plan Amendment for Greater Sage-Grouse (ARMPA) and Record of Decision (ROD).

One (1) whole parcel and a portion of three (3) other parcels containing 2,212.83 acres in the Rawlins Field Office (See Appendix A), are located in Greater Sage-grouse Core Areas identified in Version 4 of the State's Core Area Map, which were NOT identified in Version 3 as Priority Habitat Management Areas in the BLM ARMPA. These parcels are deferred under the proposed action in their entirety; they are not analyzed in detail in the EA nor are they discussed further.

Following response to public comments, a potential conflict with two parcels, 116 and 117, was discovered. As a result, the remaining portion of parcel 116 and all of parcel 117 (1,402.220 total acres) are deferred under State Director discretion pending completion of the Rawlins RMP amendment.

As a result, total deferrals under State Director discretion are approximately 3,719.91 acres; this acreage could be offered at a future sale. Approximately 25,483.84 acres are deleted from this sale as the lands are not available.

The Proposed Action, as modified by State Director discretion, would offer 162 whole or partial parcels containing approximately 198,588.57 acres. The action meets the EA's purpose and need (see the following excerpt from the EA):

*“The BLM’s purpose for offering parcels and subsequent issuance of leases in the June 21, 2018 lease sale is to provide for exploration and development of additional oil and gas resources to help meet the nation’s need for energy sources, while protecting other resource values in accordance with guiding laws, regulations, and Land Use Planning decisions. Wyoming is a major source of natural gas for heating and electrical energy production in the United States. The*

*offering for sale and subsequent issuance of oil and gas leases is needed to meet the requirements of MLA, FLPMA, and the minerals management objectives in the Kemmerer, Rawlins, and Pinedale Resource Management Plans (RMP), as amended (2015). Oil and gas leasing provides the opportunity to expand existing areas of production and to locate previously undiscovered oil and gas resources to help meet the public's energy demands.*

*Decisions to be made based on this analysis include which parcels would be offered for lease, which parcels would be deferred, which parcels are not available for leasing, and what stipulations will be placed on the parcels that would be offered for lease at the June 21, 2018 competitive lease sale.”*

In addition to the Proposed Action, a No Action Alternative was analyzed in the EA that would not offer any of the available parcels. The EA for the June 21, 2018 Competitive Lease Sale is attached, as is a White Paper which discusses issues associated with the use of Hydraulic Fracturing (HF) which may be used in the oil and gas completion process. This HF White Paper was incorporated by reference into the EA, and subjected to public comment/review during the 30-day public comment period.

An additional alternative was considered but not analyzed in detail which would defer offering all parcels located within Greater Sage-grouse PHMA and/or GHMA. This alternative was not analyzed in detail because it would not be in conformance with the respective RMPs as amended (2015), and was fully analyzed in the ARMPA Draft and Final EIS'. Offering all available lands subject to the stipulations identified in Appendix B will provide for appropriate levels of Greater Sage-grouse protection. Further, this alternative would unnecessarily constrain oil and gas occupancy in areas where the Kemmerer, Pinedale, Rawlins, and Green River (Rock Springs) RMPs, as amended (2015), have determined that less restrictive stipulations would adequately mitigate the anticipated impact while providing for Greater Sage-grouse habitat conservation. Finally, deferring parcels in PHMA and/or GHMA would not be consistent with the Presidential March 28, 2017 Executive Order which specifies that: "It is in the national interest to promote clean and safe development of our Nation's vast energy resources, while at the same time avoiding regulatory burdens that unnecessarily encumber energy production, constrain economic growth, and prevent job creation."

#### **FINDING OF NO SIGNIFICANT IMPACT:**

Based upon a review of the EA and the supporting documents (i.e., the governing land use plans and a White Paper that was incorporated by reference in to the EA-also circulated for public comment with the EA and Draft FONSI), I have determined that the project is not a major federal action and will not significantly affect the quality of the human environment, individually or cumulatively, with other actions in the general area. No environmental effects meet the definition of significance in context or intensity as defined in 40 CFR 1508.27 and identified impacts do not exceed those effects described in the Pinedale, Kemmerer, Rawlins, and Green River (Rock Springs) RMPs/Final Environmental Impact Statements (FEISs), as amended (2015). Therefore, an EIS is not required.

This finding is based on the context and intensity of the project as described:

#### **Context:**

The Proposed Action would occur within the Pinedale, Kemmerer, Rawlins, and Rock Springs FO boundaries and would have local impacts on the resources similar to and within the scope of those described and considered within the Pinedale, Kemmerer, Rawlins, and Green River (Rock Springs) RMPs and their respective FEISs/Records of Decision (ROD), as amended (2015). The project is an administrative action involving approximately 198,588.57 acres of BLM administered land and/or mineral estate. Certain resource considerations associated with the proposed lease parcels, such as Greater Sage-Grouse, lands with wilderness characteristics, and energy developments have state-wide, regional, and national importance. Site specific development of the parcels could occur in the future if the parcels are sold and leases issued. Some aspects of the assumed development process, have been addressed in this EA; however, other aspects of the development process are speculative at this time, and therefore, are not ripe for review under this EA, including, for example, whether a proposed development project would be protective of usable water zones or result in climate change impacts. The BLM retains discretion to deny lease actions that are found to not be protective of usable water zones in accordance with regulations found at 43 CFR 3162.5-2(d) and Onshore Order #2. This discretion remains in place regardless of any lease stipulations that may be incorporated into a lease contract. Any proposal is authorized contingent upon compliance with all applicable Federal laws including the Clean Air Act, Clean Water Act, Endangered Species Act, etc.

### **Intensity:**

The following discussion is organized around the Ten Significance Criteria described in 40 CFR 1508.27 and incorporated into resources and issues considered (includes supplemental authorities Appendix 1 H-1790-1) and supplemental Instruction Memoranda, statutes, regulations and Executive Orders.

The following have been considered in evaluating intensity for this proposal:

#### **1. Impacts may be both beneficial and adverse.**

The Action/Alternatives would affect resources as described in the EA and in the base RMP environmental documents, as amended (2015). Direct beneficial impacts include economic contributions to the federal and state coffers from both the sale of the individual parcels and from future production of the minerals and these direct economic contributions trickle down through to the local governments. Adverse effects could also occur to federal, state and local governments should the parcels not be sold and developed. Adverse impacts could result to managed resources from the development of these parcels if they are sold and developed. Mitigating measures to reduce impacts to the various resources were incorporated in the design of the action alternatives and the stipulations that will be applied to the parcels (see Table 4 and Appendix B of the EA). Additional mitigation, including applicable required design features, for potential impacts would be identified at the site-specific level if and when development is proposed. The BLM retains discretion to deny the approval of future drilling/completion activities if they are found to violate a federal or state law, or if the proposal is not in compliance with regulations found at 43 CFR 3160 and various Onshore Orders and Notice to Lessee(s). None of the environmental effects determined to be reasonably foreseeable, associated with offering the proposed lease parcels for sale, as discussed in detail in the EA were determined to be significant, nor do the effects, both beneficial and/or adverse, exceed those described in the Pinedale, Kemmerer, Rawlins, and Green River (Rock Springs) RMPs and their respective FEISs/RODs, as amended (2015).

**2. The degree to which the selected alternative will affect public health or safety.**

The Proposed Action is to offer 166 lease parcels for sale. Several parcels contain lands with private surface overlying federal minerals (i.e., split-estate), as identified in Table 3.1 of the EA. The private surface lands have the potential for development of private residences and associate facilities such as domestic water supply wells. Residences near active drilling and completion operations would likely experience increased traffic and noise, as well as night lighting. Traffic and drilling operations in close proximity to residences or public use areas may increase the potential for collisions with the public, the general workforce, pets, and livestock, as well as an increased potential for fire, hydrocarbon release, and explosion from well blow-out during drilling operations. Lease Notice No. 1 is applied to all parcels and restricts occupancy within ¼ mile of occupied dwellings for public safety.

The subject parcels are located distant from incorporated towns, are not located on agricultural lands, and exist in a rural landscape with limited developed recreation facilities but may be used for various dispersed recreational activities including but not limited to hiking, camping, and OHV uses. Noise, concentrated development activities and the potential emissions associated with development of the O&G resources may create a nuisance but the establishment of travel speeds, the imposition of timing limit and controlled surface use stipulations, compliance by the oil and gas companies with all OSHA related requirements, and the receipt of air quality emission permits from the WY Department of Environmental Quality would mitigate impacts. As well, all proposals would be reviewed for their potential to impact sources of usable waters and would be denied if their operations would not be protective of the resources as defined in 43 CFR 3160 and Onshore Order No. 2.

No other aspect of the action alternative would have an effect on public health and safety. If the parcels are subsequently sold and the leases enter into a development stage, public health or safety would be addressed in more detail through additional site specific analysis and compliance with state and federal laws and regulations, as required.

**3. Unique characteristics of the geographic area such as proximity to historic or cultural resources, park lands, prime farm lands, wetlands, wilderness, wild and scenic rivers, or ecologically critical areas.**

There are no park lands, prime farm lands, congressionally designated wilderness areas, or wild and scenic rivers in or within proximity to any of the parcels to be offered for lease through the Proposed Action. Unique characteristics present within the project area are primarily historic and cultural resources. These characteristics have been deemed to be not affected by the action alternatives with mitigating measures as attached to the lease parcels. The proposed action is designed to offer lease parcels for sale. No aspect of the Proposed Action/Alternatives would have an effect on cultural resources or environmental justice populations at the lease sale or lease issuance stage. If the leases enter into a development stage, cultural resources and environmental justice populations would be further addressed through site specific NEPA.

Numerous parcels contain, adjoin, and/or are within the viewshed setting of one or more historic trails. Anticipated impacts to these resources are mitigated through a controlled

surface use stipulation that restricts or prohibits surface use or disturbance unless a satisfactory plan to mitigate the potential impacts to public safety is developed.

A number of parcels do contain streams and riparian areas (wetlands), which would be protected through Lease Notice 1, which is attached to all parcels.

While certain parcels proposed to be offered at the June 21, 2018 oil and gas lease sale are located within areas with sensitive or important resources values, none have been determined to be within an ecologically critical area not previously analyzed.

Additionally, mitigation in the form of lease stipulations has been applied to all parcels as determined through the Leasing EA, in conformance with their respective RMP, as amended (2015).

No parcels are located within a Wilderness Study Area.

Two whole parcels and portions of two other parcels contain lands with wilderness characteristics as identified through interdisciplinary inventory. The BLM WY State Director is using her discretion to defer the remaining portion of parcel 116 and all of parcel 117, pending completion of the Rawlins RMP amendment. The two parcels which partially contain lands with wilderness characteristics are being managed according to the current RMP decisions as directed by policy, and will be offered.

**4. The degree to which the effects on the quality of the human environment are likely to be highly controversial.**

Under 40 C.F.R. § 1508.27(b)(4), controversy is whether there is a scientific dispute about the level or nature of anticipated effects – not political controversy or expressions of opposition to the action or preference among the alternatives analyzed within the EA. Individual or groups of federal oil and gas leases have frequently been protested by a variety of non-governmental organizations based on their perceived environmental impacts associated with offering a specific parcel, which could be correlated to some level of public controversy, but as the Interior Board of Land Appeals has repeatedly noted, whether a proposed action/Alternatives are likely to be controversial is not a question about the extent of public opposition, but, rather, about whether a substantial dispute exists as to its size, nature or effect. See, e.g., *Oregon Natural Resources Council* 116, IBLA 355, 362 (1990) and the cases cited therein.

The BLM received nine (9) letters or emails providing comments on the June 21, 2018 lease parcel EA prepared by the HDD. Comments pertained to a variety of issues including: big game habitat and migration routes, surface owner concerns over potential development on split estate lands and conservation easements, parcel deferrals, tax revenues from energy, reclamation and control of invasive plants, hydraulic fracturing, sage grouse, social cost of carbon, climate change, and lands with wilderness characteristics. This shows a varying level of concern, but does not demonstrate a substantial level of controversy within the meaning of 40 C.F.R. § 1508.27(b)(4). Concerns expressed over the June 21, 2018 Lease Sale are expected to be very similar to those expressed at previous lease sales. As the EA for the June 21, 2018 Oil and Gas

Lease Parcels concludes, impacts to the quality of the human environment from the offering, sale, and issuance of the June 21, 2018 lease parcels are not expected to be significant, or beyond what has previously been addressed in the respective RMP EIS', as amended (2015).

Further, the lease parcels identified for offer under Alternatives B are within areas designated by the Kemmerer, Pinedale, Rawlins, and Green River (Rock Springs) RMPs, as amended (2015), as available for oil and gas leasing with the designated stipulations and are largely surrounded by valid existing lease rights. The existing RMP decisions were made through an open, public process. Site specific evaluation will be conducted to address specific effects on resources and the need for additional mitigation at the time of development.

**5. The degree to which the possible effects on the human environment are highly uncertain or involve unique or unknown risks.**

The lease sale, and the act of offering parcels for lease, is not unique or unusual. Oil and gas leasing and post-lease development have been ongoing in the United States, including portions of the HDD for nearly a century. The BLM has experience implementing similar actions in similar areas. The environmental effects to the human environment are considered in the corresponding RMPs/FEISs/RODs, as amended. Gas exploration and drilling operations are regulated for health and safety through other agencies of local, State and Federal government. Should there be discovered risks, these agencies would act accordingly. There are no predicted effects on the human environment that are considered to be highly uncertain or involve unique or unknown risks. One area of particular interest is the use of hydraulic fracturing (HF) in the oil and/or gas well completion process. The BLM recognizes there is a concern regarding HF operations, specifically the potential to impact drinking water supplies either from downhole migration, from spills on the surface, or the perceived potential for induced seismic activity. Everyone agrees that significant impacts to usable water resources must be avoided. This EA, through incorporation of an attached HF White Paper, has disclosed that there are adequate water supplies available in Wyoming to meet the reasonably foreseeable development scenarios described in each of the subject RMPs. There is still doubt whether HF results in induced seismic activity. Seismic activity in oil and gas development areas has repeatedly been shown to be associated with the reinjection of waste waters in disposal wells and/or through heavy pumping of groundwater combined with drought effects, and not related to HF. There is also uncertainty whether a HF operation is capable of inducing the formation of a fracture network capable of intersecting unknown faults or extending into a formation containing usable water supplies. To date, this has not been proven after decades of oil and gas development in Wyoming and recent studies by the EPA indicate that the possibility of fault reactivation creating a pathway to shallow groundwater resources is remote (EPA, Study of the Potential Impacts of Hydraulic Fracturing on Drinking Water Resources: Progress Report Dec 2012, pg. 74).

Also, the Wyoming Oil and Gas Conservation Commission recently passed rules requiring both pre- and post-development groundwater sampling to document baseline groundwater conditions and to assess any subsequent changes in water quality post development. The BLM, at all times, with or without any applicable lease stipulations, has retained full authority to deny an APD whose proposed drilling/completion program

would adversely impact usable water zones. This authority can be found at 43 CFR 3165-2(d), Onshore Order #2, and applicable laws and regulations. Again, our ability to analyze many of the potential site-specific drilling and completion impacts are limited, if not impossible, at the leasing stage; and therefore, are not ripe for review in this environmental document.

It is more appropriate to analyze drilling and completion operations and anticipated impacts at the site-specific level, when an APD has been submitted. Information that will be considered when an APD is submitted will include the following:

- The names and estimated tops of all geologic formations.
- The estimated depth and thickness of formations that contain, oil, gas, and useable water.
- The proposed casing program, including casing size, grade, weight, and setting depth of each casing string in order to properly isolate oil, gas, and useable water formations.
- Casing shoes must be set in competent formations in order to prevent fluid migration.
- The expected bottom-hole pressure, pressure anticipated during HF operations, any abnormal pressures, abnormal temperatures, or other potential hazards, such as lost circulation zones, or hydrogen sulfide.
- The type and volume of cement expected to be used in order to properly isolate all oil, gas, and useable water formations.
- The minimum specifications for blowout prevention equipment.
- Whether adequate spill prevention plans are in place
- The proposed wellbore path and HF design's potential for intersecting or compromising any nearby abandoned drill holes.
- Whether the proposed production zone is confined by competent strata overlying and underlying the producing zone to verify adequate separation between the production zone and usable water zones.
- Whether the proposed production zone is proposed within a formation containing usable water zones, or is known to interact with a zone containing freshwater and/or usable waters. If yes, whether the completion fluids contain hazardous or toxic materials which would render those waters unusable. The proposed completion program would also be reviewed to determine whether the completion fluids would include diesel; the use of diesel under the Safe Drinking Water Act, would require a Underground Injection Control permit from the Environmental Protection Agency.

As explained in the EA, as modified by State Director discretion, the administrative act of leasing all or part of 162 parcels covering 198,588.57 acres would not result in any direct GHG emissions. Nevertheless the EA has provided estimates of the direct and indirect emissions of GHGs arising from these lease parcels should they be sold, issued, and development proposed. The uncertainty surrounding estimates of direct and/or indirect GHG emissions are described in the EA.

Based on the foregoing, the degree of uncertainty and consideration of unknown or unique risks does not rise to the level of significance requiring an EIS.

**6. The degree to which the action may establish a precedent for future actions with significant effects or represents a decision in principle about a future consideration.**

This project neither establishes a precedent nor represents a decision in principle about future actions. The actions considered in the selected alternative were considered by the interdisciplinary team within the context of past, present, and reasonably foreseeable future actions. A decision to offer the June 21, 2018 lease sale parcels would not limit later resource management decisions for areas open to development proposals, many of which have extensive existing leaseholds (including PHMA and GHMA for the Greater Sage-grouse). Significant contributions to cumulative effects are not expected from the June 21, 2018 Lease Sale. Further, the decision to lease, even without an NSO over the entire lease, does not prevent BLM from denying all development of the lease if an Operator cannot submit an APD which would comply with all federal laws, rules and/or regulations including the requirements of 43 CFR 3162.5-2(d) and Onshore Order No. 2.

**7. Whether the action is related to other actions with individually insignificant but cumulatively significant impacts - which include connected actions regardless of land ownership.**

The EA did not reveal any cumulative effects beyond those already analyzed in the Kemmerer, Pinedale, Rawlins, and Green River (Rock Springs) RMPs/FEISs, as amended (2015). The interdisciplinary team evaluated the possible actions in context of past, present and reasonably foreseeable actions. The EA has projected the cumulative direct and indirect GHG emissions for the full Reasonably Foreseeable Development (RFD) scenario in each of the four field offices in the High Desert District. The 162 proposed parcels (198,588.57 acres) resulting from the modified proposed action, represents 0.65% of the total acreage in the HDD and if developed to the full RFD, and assuming 100% combustion of the production stream, would produce less than 1% of all GHG emissions, both direct and indirect, from oil and gas development in these field offices. Since climate change and global warming are global phenomena, for purposes of this NEPA analysis, the analysis presented above about the direct and indirect effects of GHG emissions from the proposed actions is also an analysis of the cumulative effects of the proposed actions. Consistent with current guidance, the BLM has determined that this analysis “adequately addresses the cumulative impacts for climate change from the proposed action and its alternatives, and therefore a separate cumulative effects analysis for GHG emissions is not needed.” Additionally, the referenced RMPs/EISs provide cumulative effects analysis for oil and gas development based on the reasonably foreseeable oil and gas development scenario. Significant cumulative effects are not expected beyond what has been analyzed in the underlying RMPs, as amended.

**8. The degree to which the action may adversely affect districts, sites, highways, structures, or other objects listed in or eligible for listing in the National Register of Historic Places (NRHP) or may cause loss or destruction of significant scientific, cultural, or historical resources.**

There are no features within the project area listed or eligible for listing in the NRHP that would be adversely affected by a decision to offer for sale the subject parcels. If the leases enter into a development stage, NRHP resources would be further addressed

through site specific NEPA analysis. Known sites occurring in any the parcels that would be offered for sale are protected by either a controlled use or no surface occupancy stipulation.

**9. The degree to which the action may adversely affect an endangered or threatened species or its habitat that has been determined to be critical under the Endangered Species Act of 1973, or the degree to which the action may adversely affect: 1) a proposed to be listed endangered or threatened species or its habitat, or 2) a species on the BLM sensitive species list.**

Refer to the individual parcel descriptions and to the sensitive species controlled surface use stipulations in Appendix B of the EA for a listing of the various sensitive species found in various parcels. Although listed species, or those found to be warranted but precluded, may occupy habitat within a parcel, it has been determined that they will not be adversely affected because surface use restrictions, including timing limitation stipulations (TLS), no surface occupancy (NSO) stipulations, and controlled surface use (CSU) stipulations, will be applied to the lease parcels in conformance with the respective RMPs, as amended (2015). Furthermore, post-lease actions/authorizations (i.e., Application for Permit to Drill (APDs), road/pipeline Right-of-Ways (ROWs)), would be encumbered by TLS and CSU restrictions as applied, and through project-specific environmental clearance in consultation with the US Fish and Wildlife Service if T&E species are found.

Concurrent with the signing of these RODs, the USFWS determined that the Greater Sage-grouse was no longer warranted for listing due to the collaborative effort, science-based conservation campaign and the collective effort of federal, state and private partners across its range.

As provided for in Washington Office Instruction Memorandum 2018-026<sup>1</sup>, Implementation of Greater Sage-grouse Resource Management Plan Revisions or Amendments -Oil & Gas Leasing and Development Sequential Prioritization, the BLM has reviewed the subject parcels for consistency. Following a detailed review of the leasing actions in regards to management of Greater Sage-grouse habitat, the modified proposed action would offer eighty-eight (88) whole located entirely in GHMA, thirty (30) parcels that are located in both PHMA and GHMA, and forty-four (44) parcels located entirely in PHMA as identified in the ARMPA ROD. The vast majority of parcels located partially or entirely in PHMA are proximate or adjacent to existing production and occur in areas where BLM has determined that the oil and gas development potential ranges low to very high, and several of the parcels have occupied leks within their boundaries. The South Rawlins PHMA unit currently has more than 5% cumulative disturbance based on data provided by the University of WY collected under the DDCT process (dated October 28, 2016) while the Uinta and Greater South Pass, PHMA units

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<sup>1</sup> IM 2016-143 was replaced on December 27, 2017 with WO IM 2018-026. IM 2018-026 specifies that: The GRSG Plans established an objective to prioritize oil and gas leasing and development outside of GRSG habitat management areas, but to allow for leasing with appropriate stipulations on all BLM mineral estate designated in the GRSG Plans as “open” for leasing. In effect, the BLM does not need to lease and develop outside of GRSG habitat management areas before considering any leasing and development within GRSG habitat. This policy should allow for the BLM to efficiently conduct lease sales and permit oil and gas development while still protecting GRSG and GRSG habitat.

are below 5% cumulative disturbance. PHMA units with more than 5% cumulative disturbance does not mean that at the APD stage, operations would be in violation of the 5% disturbance threshold set by the applicable CSU.

The lands within the PHMA parcels are assumed to provide nesting, wintering, and/or breeding habitat for Greater Sage-Grouse GSG (see Table 3-1). All potential impacts are expected to be within the range analyzed in the GSG ARMPA FEIS which was found to be acceptable by the USFWS. All parcels will be offered with the stipulations specified within the ARMPA ROD (2015), and underlying RMPs.

Based on GIS data from May, 2015, at the time the ARMPA ROD was issued, approximately 16% of all existing leases in WY were located within PHMA (15,485 total, 2,427 wholly or partially within PHMA). Based on GIS data from October, 2017, this percentage has decreased to 13% (13,095 total; 1,762 wholly or partially in PHMA). All potential impacts are within the analysis contained within the ARMPA as it relates to Greater Sage-grouse.

**10. Whether the action threatens a violation of a federal, state, local, or tribal law, regulation or policy imposed for the protection of the environment, where non-federal requirements are consistent with federal requirements.**

The offering of the recommended parcels does not violate, or threaten to violate federal, state, local or tribal laws or requirements imposed for the protection of the environment. In addition, the lease sale is consistent with applicable land management plans, policies, and programs, and development of any leases subsequently granted is conditioned on compliance with all applicable laws and regulations.

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Authorized Officer

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Date