

Reader's Guide to this Document

Chapter 1. Introduction. This chapter introduces the Draft Resource Management Plan and Environmental Impact Statement (Draft RMP and EIS), describes the purpose and need to which the Bureau of Land Management (BLM) is responding, provides an overview of the BLM planning process, identifies planning issues and criteria, and identifies topics not addressed by this RMP revision.

Chapter 2. Resource Management Alternatives. Chapter 2 describes how the four alternatives (A, B, C, and D) were developed, the components and content of each alternative, and it discusses the alternatives considered but eliminated from further consideration. It also presents a comparative summary of impacts of each alternative. Resource discussions in chapters 2, 3, and 4 are organized according to the following eight resource topics:

1000. Physical Resources – Air Quality, Geologic Resources, Soil, Water, Cave and Karst Resources, and Lands with Wilderness Characteristics

2000. Mineral Resources – Locatable, Leasable, and Salable Minerals

3000. Fire and Fuels Management – Unplanned/Wildfire, Planned/Prescribed Fires and Other Fuels Treatments, and Stabilization and Rehabilitation

4000. Biological Resources – Vegetation, Fish and Wildlife, Special Status Species, and Wild Horses

5000. Heritage and Visual Resources – Cultural, Paleontological, and Visual

6000. Land Resources – Lands and Realty, Renewable Energy, Rights-of-Way and Corridors, Comprehensive Trails and Travel Management, Livestock Grazing Management, and Recreation

7000. Special Designations – Congressionally Designated Trails, Wilderness Study Areas, Wild and Scenic Rivers, and Areas of Critical Environmental Concern

8000. Socioeconomic Resources – Social and Economic Conditions, Health and Safety, Environmental Justice, and Tribal Treaty Rights

Chapter 3. Affected Environment. This chapter describes the Lander Field Office planning area and the existing environmental conditions that could be impacted by the alternatives.

Chapter 4. Environmental Consequences. Chapter 4 forms the scientific and analytic basis for comparing environmental impacts of each alternative, including the No Action Alternative. Impacts generally are described in terms of direct or indirect, short-term or long-term, and minor, moderate, or major, when applicable. Potential cumulative and unavoidable impacts and irreversible and irretrievable commitments also are discussed in this chapter.

Chapter 5. Public Involvement, Consultation, and Coordination. Chapter 5 describes the public involvement process, as well as other key consultation and coordination activities undertaken to prepare the EIS in support of the RMP revision. This chapter also includes a list of preparers displaying the names and qualifications of the people responsible for preparing this Draft RMP and EIS.

Chapter 6. References. This chapter provides full citation information for all references cited within the document.

Glossary. The Glossary defines selected terms used throughout this document.

Appendices. The appendices include documents that support existing resource conditions or situations, substantiate analyses, provide resource management guidance, explain processes, or provide information directly relevant or supporting conclusions in the Draft RMP and EIS. Maps referenced in the Draft RMP and EIS are included as a separate appendix. In hardcopy documents, maps can be found on a compact disk (CD) attached to the inside back cover of the document. For CD versions of the document, maps are provided as a separate file on the CD. Electronic versions of the maps are also available on the project website: www.blm.gov/wy/st/en/programs/Planning/rmps/lander.html. Twenty-one appendices are included.

Acronyms and Abbreviations

<:

less than

µg/m³:

micrograms per cubic meter

ACEC:

Area of Critical Environmental Concern

AIRFA:

American Indian Religious Freedom Act

AML:

Abandoned Mine Land

AMP:

Allotment Management Plan

AMR:

Appropriate Management Response

AMS:

Analysis of the Management Situation

ANC:

acid neutralizing capacity

APD:

Application for Permit to Drill

APHIS:

Animal and Plant Health Inspection Service

AQD:

Air Quality Division

AQRV:

Air Quality Related Values

ARPA:

Archeological Resources Protection Act

AUM:

animal unit month

BA:

Biological Assessment

BACT:
Best Available Control Technology

bbf:
barrel

BCF:
billion cubic feet

BEA:
Bureau of Economic Analysis

BIA:
Bureau of Indian Affairs

BLM:
Bureau of Land Management

BLS:
Bureau of Labor Statistics

BMP:
best management practice

BOR:
Bureau of Reclamation

BP:
Before Present

CAA:
Clean Air Act

CBNG:
coalbed natural gas

CDC:
Continental Divide-Crestone

CDNST:
Continental Divide National Scenic Trail

CEQ:
Council on Environmental Quality

CFR:
Code of Federal Regulations

CH₄:
methane

CIAA:
Cumulative impact assessment area

CO:
carbon monoxide

CO₂:
carbon dioxide

COA:
Conditions of Approval

CPW:
Citizen Proposed Wilderness

CREG:
Consensus Revenue Estimating Group

CRM:
Coordinated Resource Management

CSU:
Controlled Surface Use

CUA:
common use area

CWA:
Clean Water Act

CY:
cubic yard

DAT:
deposition analysis threshold

dba:
A-weighted decibels

DCCD:
Dubois-Crowheart Conservation District

DDA:
Designated Development Area

DEQ:
Department of Environmental Quality

DOE:
United States Department of Energy

DOI:
United States Department of the Interior

DOR:
Department of Revenue

EA:
Environmental Assessment

EIA:
Energy Information Administration

EIS:
Environmental Impact Statement

EO:
Executive Order

EPA:
United States Environmental Protection Agency

ERMA:
Extensive Recreation Management Areas

ES&R:
Emergency Stabilization and Rehabilitation

ESA:
Endangered Species Act

FCRPA:
Federal Cave Resources Protection Act

FGDC:
Federal Geographic Data Committee

FLPMA:
Federal Land Policy and Management Act

FMP:
Fire Management Plan

FMU:
Fire Management Unit

FR:
Federal Register

FRCC:
Fire Regime Condition Class

FRG:
Fire Regime Group

GCRP:
Global Climate Change Research Program

GHG:
greenhouse gas

GIS:
Geographic Information System

GWP:
Global Warming Potential

H₂S:
hydrogen sulfide

H₂SO₄:
sulfuric acid

HAP:
Hazardous Air Pollutant

HMA:
Herd Management Area

HMAP:
Herd Management Area Plan

HMP:
Habitat Management Plan

HNO₃:
nitric acid

HUC:
Hydrologic Unit Code

IBA:
Important Bird Area

IM:
Instruction Memorandum

IMP:
Interim Management Policy

IMPLAN:
Impact Analysis for Planning Model

IMPROVE:
Interagency Monitoring of Protected Visual Environments

INNS:
invasive nonnative species

IPCC:
Intergovernmental Panel on Climate Change

IPM:
Integrated Pest Management

ISR:
in situ recovery

kg/ha/yr:
kilograms per hectare per year

KLA:
Known Leasing Area

LAC:
Limits of Acceptable Change

LAU:
Lynx Analysis Unit

lb:
pound

LRP:
Low Reclamation Potential

MACT:
Maximum Achievable Control Technology

MBTA:
Migratory Bird Treaty Act

mcf:
thousand cubic feet

mg/L:
micrograms per liter

MLP:
Master Leasing Plan

MLRA:
Major Land Resource Area

MMBF:
million board feet

MMBNGL:
million barrels of natural gas liquid

MMBO:
million barrels of oil

MMt:
million metric tons

MOA:
Memorandum of Agreement

MOU:
Memorandum of Understanding

mph:
miles per hour

MW:
Megawatt

N₂O:
nitrous oxide

NAAQS:
National Ambient Air Quality Standards

NADP:
National Atmospheric Deposition Program

NAGPRA:
Native American Graves Protection and Repatriation Act

NASS:
National Agriculture Statistics Service

NCA:
National Conservation Area

NCSL:
National Conference of State Legislatures

NEPA:
National Environmental Policy Act

NH₃:
ammonia

NH₄:
ammonium

NHL:
National Historic Landmark

NHPA:
National Historic Preservation Act

NHT:
National Historic Trail

NISC:
National Invasive Species Council

NLCS:
National Lands Conservation System

NNL:
National Natural Landmark

NO₂:
nitrogen dioxide

NO₃:
nitrate

NOA:
Notice of Availability

NOAA:
National Oceanic and Atmospheric Administration

NOI:
Notice of Intent

NOLS:
National Outdoor Leadership School

NO_x:
nitrogen oxides

NPS:
National Park Service

NRCS:
Natural Resources Conservation Service

NREL:
National Renewable Energy Laboratory

NRHP:
National Register of Historic Places

NSO:
No Surface Occupancy

NSRE:
National Survey on Recreation and the Environment

NSS:
Native Species Status

NST:
National Scenic Trail

NTSA:
National Trails System Act

NWSRS:
National Wild and Scenic River System

O&M:
operations and maintenance

O₃:
ozone

OHV:
off-highway vehicle

ORV:
Outstandingly Remarkable Value

OSA:
Outside Service Area

P.L.:
Public Law

Pb:
lead

PEIS:
Programmatic Environmental Impact Statement

PFC:
Proper Functioning Condition

PFYC:
Potential Fossil Yield Classification

PM₁₀:
particulate matter less than 10 microns in diameter

PM_{2.5}:
particulate matter less than 2.5 microns in diameter

ppb:
parts per billion

ppm:
parts per million

PRPA:
Paleontological Resources Protection Act

PSD:
Prevention of Significant Deterioration

R&PP:
Recreation and Public Purposes

RAAT:
Reduced Agent Area Treatment

REA:
Recreation Enhancement Area

REL:
Reference Exposure Level

RFD:
Reasonable Foreseeable Development

RHT&EH:
Regional Historic Trails and Early Highways

RMP:
Resource Management Plan

RMZ:
Recreation Management Zone

ROD:
Record of Decision

ROS:
Recreation Opportunity Spectrum

ROW:
Right-of-Way

RS:
Revised Statute

RVD:
Recreation Visitor Day

SGIT:
Sage-grouse Implementation Team

SHPO:
State Historic Preservation Office

SLAMS:
State and Local Air Monitoring Site

SO₂:
sulfur dioxide

SO₄:
sulfate

SRMA:
Special Recreation Management Area

SRP:
Special Recreation Permit

SVR:
Standard Visual Range

SWAP:
State Wildlife Action Plan

T&E:
Threatened and Endangered

TCFG:
trillion cubic feet of gas

TCP:
Traditional Cultural Property

TDS:
Total Dissolved Solids

TLS:
Timing Limitation Stipulation

TMDL:
Total Maximum Daily Load

U.S.:
United States

U.S.C.:
United States Code

UIC:
Underground Injection Control

USDA:
United States Department of Agriculture

USFS:
United States Forest Service

USFWS:
United States Fish and Wildlife Service

USGS:
United States Geological Survey

VOC:
volatile organic compound

VRI:
Visual Resource Inventory

VRM:
Visual Resource Management

WAAQS:
Wyoming Ambient Air Quality Standards

WAFWA:
Western Association of Fish and Wildlife Agencies

WARM:
Water and Atmospheric Resource Monitoring

WGFD:
Wyoming Game and Fish Department

WHMA:
Wildlife Habitat Management Area

WHMP:
Wild Horse Management Plan

WIA:
Wyoming Infrastructure Authority

WLSO:
Wyoming Legislative Service Office

WMA:
Wildlife Management Area

WMP:
Watershed Management Plan

WNV:
West Nile virus

WO:
Washington Office

WRAP:
Western Regional Air Partnership

WRIR:
Wind River Indian Reservation

WSA:
Wilderness Study Area

WSGS:
Wyoming State Geological Survey

WSR:
Wild and Scenic River

WTT:
Wyoming Travel and Tourism

WUI:

wildland-urban interface

WYPDES:

Wyoming Pollutant Discharge Elimination System