Environmental Assessment for the White Mountain Wind Energy Project

Sweetwater County, Wyoming

BLM

Wyoming High Desert District – Rock Springs Field Office

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February 2010

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ENVIRONMENTAL ASSESSMENT FOR THE WHITE MOUNTAIN WIND ENERGY PROJECT, SWEETWATER COUNTY, WYOMING

Bureau of Land Management
Wyoming High Desert District
Rock Springs Field Office
Rock Springs, Wyoming

In Cooperation With

Sweetwater County
City of Rock Springs
Sweetwater County Conservation District
The Wyoming Governor's Office
Wyoming Game and Fish Department
Wyoming State Historic Preservation Office
Wyoming Department of Environmental Quality - Industrial Siting Division
Wyoming Department of Environmental Quality - Water Quality Division
Wyoming Department of Agriculture

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LIST OF ACRONYMS AND ABBREVIATIONS

AML	Appropriate Management Level
ASTM	American Society for Testing and Materials
AUM	Animal unit months
AWEA	American Wind Energy Association
BLM	Bureau of Land Management
BMPs	Best management practices
BOP	Balance of Plant
CAAQS	Colorado Ambient Air Quality Standards
CBNG	Coal bed natural gas
CERCLA	*Comprehensive Environmental Response, Compensation, and Liability Act*
CFR	*Code of Federal Regulations*
CO	Carbon monoxide
CO_2	Carbon dioxide
dBA	A-weighted decibels
DOC	U.S. Department of Commerce
DOE	U.S. Department of Energy
EA	Environmental assessment
EIS	Environmental impact statement
EPA	Environmental Protection Agency
FAA	Federal Aviation Administration
FR	Federal Regulation
Ft	Foot or feet
GAO	General Accounting Office
GHG	Greenhouse Gases
GIS	Geographic Information System
Ha	Hectare
HSE	Health, Safety, and Environment
HUC	Hydrologic Unit Code
I-80	Interstate 80
IAA	Cumulative impact assessment areas
IEC	International Electrotechnical Commission
JEDI	Job and Economic Development Impact
kHz	Kilohertz
km	kilometer
KOPs	Key Observation Points
kV	Kilovolt
KWh	Kilowatt hours
LLC	Lloyd Levy Consulting, LLC
met	Meteorological tower
mi	Mile
mph	Miles per hour
MW	Megawatt
MWh	Megawatt hour
NAAQS	National Ambient Air Quality Standards
NEPA	*National Environmental Policy Act*
NHPA	*National Historic Preservation Act*
NO_2	Nitrogen dioxide
NO_x	Nitrogen oxide
NRHP	National Register of Historic Places
NWI	National Wetland Inventory
O&M	Operations and maintenance
OHV	Off-highway vehicle
PA	Programmatic Agreement
PAWG	Pinedale Anticline Working Group
PEIS	Programmatic environmental impact statement
PEMC	Palustrine seasonally flooded wetland
PFYC	Probable Fossil Yield Classification
PLS	Pure live seed
$PM_{2.5}$	Particulate matter <2.5 $\mu g/m^3$
PM_{10}	Particulate matter <10 $\mu g/m^3$
POD	Plan of Development
PSB	Passerine and small birds
PSD	Prevention of Significant Deterioration
PUSA	Palustrine unconsolidated bed, temporarily flooded
RFFA	Reasonably foreseeable future actions
RIP	Recovery and Implementation Program
RLB	Raptors and large birds
RMP	Resource Management Plan
ROD	Record of Decision
ROW	Right-of-way
RSFO	Rock Springs Field Office
RSGA	Rock Springs Grazing Association
RV	Recreational vehicle
SCADA	Supervisory control and data acquisition

LIST OF ACRONYMS AND ABBREVIATIONS (Continued)

SGIT	Sage-grouse Implementation Team
SHPO	State Historic Preservation Office
SO_2	Sulfur dioxide
SPCCP	Spill Prevention, Control, and Countermeasure Plan
SWPPP	Storm Water Pollution Prevention Plan
TCP	Traditional Cultural Properties
TEPC	Threatened, endangered, and proposed, and candidate
Teton	Teton Wind, LLC
TRC	TRC Environmental Corporation
TSP	Total suspended particulates
UGBMA	Upland Game Bird Management Area
$\mu g/m^3$	Micrograms per cubic meter of air
U.S.C.	*United States Code*
USDOC	U.S. Department of Commerce
USFWS	U.S. Fish and Wildlife Service
VMT	Vehicle-mile traveled
VOC	Volatile organic compounds
VRM	Visual Resource Management
WAAQS	Wyoming Ambient Air Quality Standards
WAQS&R	Wyoming Air Quality Standards and Regulations
WDEQ/AQD	Wyoming Department of Environmental Quality/Air Quality Division
WDEQ/WQD	Wyoming Department of Environmental Quality/Water Quality Division
WECC	Western Electricity Coordinating Council
WGFD	Wyoming Game and Fish Department
WHHMA	Wild Horse Herd Management Area
Wind Energy PEIS	Wind Energy Programmatic Environmental Impact Statement
WMWE	White Mountain Wind Energy
WNDD	Wyoming Natural Diversity Database
W.S.	Wyoming Statute
WYGISC	Wyoming Geographic Information System Center