



September 2007

Programmatic Environmental Impact Statement, *Designation of Energy Corridors on Federal Land in the 11 Western States* (DOE/EIS-0386)

*Draft
Volume II: Appendixes*

Lead Federal Agencies



U.S. Department of Energy



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

Cooperating Federal Agencies



U.S. Department of Agriculture,
Forest Service



U.S. Department of Defense



U.S. Department of the Interior,
Fish and Wildlife Service

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California Energy Commission

California Public Utilities Commission

State of Wyoming

Lincoln County, Wyoming

Lincoln County Conservation District, Wyoming

Sweetwater County, Wyoming

Sweetwater County Conservation District, Wyoming

Uinta County, Wyoming

Uinta County Conservation District, Wyoming

Coeur d'Alene Tribe

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NOTATION

The following is a list of acronyms and abbreviations, chemical names, and units of measure used in this volume. Some acronyms used only in tables may be defined only in those tables.

GENERAL ACRONYMS AND ABBREVIATIONS

AC	alternating current
AD	anno Domini
AIRFA	American Indian Religious Freedom Act of 1978
ANFO	ammonium nitrate/fuel oil
API	American Petroleum Institute
ARPA	Archaeological Resources Protection Act of 1979
ASME	American Society of Mechanical Engineers
BC	before the Christian era
BLM	Bureau of Land Management
CFR	<i>Code of Federal Regulations</i>
CO ₂	carbon dioxide
CWA	Clean Water Act
DC	direct current
DOD	Department of Defense
DOT	U.S. Department of Transportation
E.O.	Executive Order
EPA	U.S. Environmental Protection Agency
EPAct	Energy Policy Act of 2005
ESD	emergency shutdown
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FLMPA	Federal Land Policy and Management Act of 1976
FS	Forest Service
GIS	geographical information system
HTS	high-temperature superconductivity
HVAC	high-voltage alternating current
HVDC	high-voltage direct current
ID	inside diameter

LN2	liquid nitrogen
LNG	liquefied natural gas
LPG	liquefied petroleum gas
LPG	liquefied petroleum gas
MTR	military training route
NAGPRA	Native American Graves Protection and Repatriation Act of 1990
NAIC	North American Industry Classification System
NEPA	National Environmental Policy Act
NFMA	National Forest Management Act of 1976
NHPA	National Historic Preservation Act
NRHP	<i>National Register of Historic Places</i>
OD	outer diameter
OPS	Office of Pipeline Safety (U.S. Department of Transportation)
PEIS	Programmatic Environmental Impact Statement
PFYC	Potential Fossil Yield Classification
ROW(s)	right(s)-of-way
SCADA	supervisory control and data acquisition
SHPO	State Historic Preservation Office
SUA	special use area
TAPS	Trans-Alaska Pipeline System
TUP	temporary use permit
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
WVEC	West-wide energy corridor

UNITS OF MEASURE

bhp	break horsepower
bpd	barrels per day
kV	kilovolt(s)
MW	megawatt
psig	pound(s) per square inch gauge

ENGLISH/METRIC AND METRIC/ENGLISH EQUIVALENTS

The following table lists the appropriate equivalents for English and metric units.

Multiply	By	To Obtain
<i>English/Metric Equivalents</i>		
acres	0.4047	hectares (ha)
cubic feet (ft ³)	0.02832	cubic meters (m ³)
cubic yards (yd ³)	0.7646	cubic meters (m ³)
degrees Fahrenheit (°F) –32	0.5555	degrees Celsius (°C)
Feet (ft)	0.3048	meters (m)
gallons (gal)	3.785	liters (L)
gallons (gal)	0.003785	cubic meters (m ³)
inches (in.)	2.540	centimeters (cm)
miles (mi)	1.609	kilometers (km)
miles per hour (mph)	1.609	kilometers per hour (kph)
pounds (lb)	0.4536	kilograms (kg)
short tons (tons)	907.2	kilograms (kg)
short tons (tons)	0.9072	metric tons (t)
square feet (ft ²)	0.09290	square meters (m ²)
square yards (yd ²)	0.8361	square meters (m ²)
square miles (mi ²)	2.590	square kilometers (km ²)
yards (yd)	0.9144	meters (m)
<i>Metric/English Equivalents</i>		
centimeters (cm)	0.3937	inches (in.)
cubic meters (m ³)	35.31	cubic feet (ft ³)
cubic meters (m ³)	1.308	cubic yards (yd ³)
cubic meters (m ³)	264.2	gallons (gal)
degrees Celsius (°C) +17.78	1.8	degrees Fahrenheit (°F)
hectares (ha)	2.471	acres
kilograms (kg)	2.205	pounds (lb)
kilograms (kg)	0.001102	short tons (tons)
kilometers (km)	0.6214	miles (mi)
kilometers per hour (kph)	0.6214	miles per hour (mph)
liters (L)	0.2642	gallons (gal)
meters (m)	3.281	feet (ft)
meters (m)	1.094	yards (yd)
metric tons (t)	1.102	short tons (tons)
square kilometers (km ²)	0.3861	square miles (mi ²)
square meters (m ²)	10.76	square feet (ft ²)
square meters (m ²)	1.196	square yards (yd ²)

