

Table of Contents

Exhibits

Exhibit A	Applicant Information
Exhibit B	General Information about the Proposed Facility
Exhibit C	Proposed Location and Maps
Exhibit D	Applicant’s Organizational, Managerial, and Technical Expertise
Exhibit E	Permits Needed for Construction and Operation
Exhibit F	Property Ownership
Exhibit G	Materials Analysis
Exhibit H	Geology and Seismicity
Exhibit I	Soils
Exhibit J	Wetlands
Exhibit K	Land Use
Exhibit L	Impacts on Protected Areas
Exhibit M	Financial Analysis
Exhibit N	Nongenerating Facility Information
Exhibit O	Water Resources
Exhibit P	Fish and Wildlife Habitats and Species
Exhibit Q	Threatened and Endangered Plant and Animal Species
Exhibit R	Scenic Resources
Exhibit S	Historic, Cultural, and Archaeological Resources
Exhibit T	Recreational Facilities and Opportunities
Exhibit U	Public Services/Socioeconomic Impacts
Exhibit V	Waste Minimization
Exhibit W	Site Restoration
Exhibit X	Noise
Exhibit Y	Carbon Dioxide Emissions
Exhibit Z	Cooling Towers
Exhibit AA	Electric Transmission Line
Exhibit BB	Other Information
Exhibit CC	Additional Statutes, Rules, and Ordinances
Exhibit DD	Specific Standards for Wind Facilities

Figures

- B-1 Typical Wind Turbine and Tower
- B-2 Typical Spread-Footing Foundation
- B-3 Typical Transformer Foundation
- B-4 Frequency and Direction of Wind in the Facility Area
- B-5 Typical Meteorological Tower Foundation
- B-6 Typical Turbine Site
- B-7 Typical Overhead 34.5-kV Single-Circuit, H-Frame Support Structure
- B-8 Typical Overhead 34.5-kV Double-Circuit, H-Frame Support Structure
- B-9 Typical Overhead 34.5-kV Single-Circuit, Monopole Support Structure
- B-10 Typical Overhead 34.5-kV Double-Circuit, Monopole Support Structure
- B-11 Typical 230-kV Monopole Support Structure
- B-12 Typical 230-kV H-Frame Support Structure
- B-13 Typical 230-kV Transition Support Structure

- C-1 Site Map
- C-2 Facility Location Map with Leaning Juniper IIB Overlap
- C-3 Facility Location Map Showing Overlap with Leaning Juniper II Site Boundary
- C-4 Facility Components – 1.5-MW Layout (Maximum Turbine Layout)
- C-5 Facility Components – Detailed View – 1.5-MW Layout (Maximum Turbine Layout)
- C-6 Facility Components – 3.0-MW Layout (Minimum Turbine Layout)
- C-7 Facility Components – Detailed View – 3.0-MW Layout (Minimum Turbine Layout)
- C-8 Micrositing Corridors Correlated to Table C-1
- C-9 Temporarily Disturbed Areas

- H-1 Geology Map
- H-2 Probabilistic Seismic Hazard Deaggregation – 475-Year Return Time
- H-3 Geographic Deaggregation Seismic Hazard – 475-Year Return Time
- H-4 Probabilistic Seismic Hazard Deaggregation – 2,475-Year Return Time

- I-1 Soil Survey Map
- I-2a Soil Survey Map – Detailed View 1 of 4
- I-2b Soil Survey Map – Detailed View 2 of 4
- I-2c Soil Survey Map – Detailed View 3 of 4
- I-2d Soil Survey Map – Detailed View 4 of 4

- J-1 Wetlands and Other Waters Index Map – 1.5-MW Turbine Layout (Maximum Turbine Layout)
- J-2 Wetlands and Other Waters; Stream Crossings – 1.5-MW Turbine Layout (Maximum Turbine Layout)

- K-1 Aerial Photograph – 1.5-MW Layout (Maximum Turbine Layout)
 K-2 Zoning Map – 1.5-MW Layout (Maximum Turbine Layout)
 K-3 Zoning Map – Detailed View – 1.5-MW Layout (Maximum Turbine Layout)
 K-4 Land Use Map – 1.5-MW Layout (Maximum Turbine Layout)
 K-5 Land Use Map – Detailed View – 1.5-MW Layout (Maximum Turbine Layout)
 K-6 Land Capability Classification – 1.5-MW Layout (Maximum Turbine Layout)
 K-7 Land Capability Classification – Detailed View – 1.5-MW Layout (Maximum Turbine Layout)
 K-8 Residential Setback – 1.5-MW Layout (Maximum Turbine Layout)
 K-9 Gilliam County Land Capability Classification – Broad View
 K-10 Gilliam County Land Capability Classification – Detailed View and Approximate Boundary of Nearby Wind Energy Facilities
- L-1 Protected Areas – 1.5-MW Turbine Layout (Maximum Turbine Layout)
 L-2 Protected Areas – 3.0-MW Turbine Layout (Minimum Turbine Layout)
- P-1 Wind Energy Facility Studies in Surrounding Areas
 P-2 Botanical Surveys [*confidential and not for public distribution*]
 P-3 Sensitive Wildlife Species Locations (2008, 2010) [*confidential and not for public distribution*]
 P-4 Avian Use Study
 P-5 Aerial Photograph
 P-6 Sensitive Raptor Species Nests (2009) [*confidential and not for public distribution*]
 P-7 Habitat Types
 P-8 Habitat Categories
 P-9 Habitat Impacts: Maximum Possible Impact
 P-10 Habitat Mitigation Area
 P-11 Status of Conservation Easements
- Q-1 Threatened and Endangered Species Analysis Area
 Q-2 Washington Ground Squirrel Locations [*confidential and not for public distribution*]
 Q-3 State and Federal Listed and Candidate Plants [*confidential and not for public distribution*]
- R-1 Scenic & Aesthetic Areas – 1.5-MW Layout (Maximum Turbine Layout)
 R-2 Scenic & Aesthetic Areas – 3.0-MW Layout (Minimum Turbine Layout)
 R-3 Scenic & Aesthetic Areas – Preferred Transmission Line (Without Turbines)
 R-4 Scenic & Aesthetic Areas – Alternate Transmission Line (Without Turbines)
- S-1 Historical, Cultural, and Archaeological Surveys
- T-1 Recreational Facilities and Opportunities

U-1	Major Transporter Routes
U-2	Public Roads
X-1	Predicted Noise Contours (dBA) – 1.5-MW Turbine Layout (Maximum Turbine Layout)
X-2	Predicted Noise Contours (dBA) – 3.0-MW Turbine Layout (Minimum Turbine Layout)
AA-1	Typical Overhead 34.5-kV Single-Circuit, Monopole Support Structure
AA-2	Typical Overhead 34.5-kV Double-Circuit, Monopole Support Structure
AA-3	Typical Overhead 34.5-kV Single-Circuit, H-Frame Support Structure
AA-4	Typical Overhead 34.5-kV Double-Circuit, H-Frame Support Structure
AA-5	Typical Overhead 230-kV Single-Circuit, Monopole Support Structure
AA-6	Typical Overhead 230-kV Single-Circuit, H-Frame Support Structure
AA-7	Magnetic Field Profile for 34.5-kV Single-Circuit, Monopole Support Structure
AA-8	Electric Field Profile for 34.5-kV Single-Circuit, Monopole Support Structure
AA-9	Magnetic Field Profile for 34.5-kV Double-Circuit, Monopole Support Structure
AA-10	Electric Field Profile for 34.5-kV Double-Circuit, Monopole Support Structure
AA-11	Magnetic Field Profile for 34.5-kV Single-Circuit, H-Frame Support Structure
AA-12	Electric Field Profile for 34.5-kV Single-Circuit, H-Frame Support Structure
AA-13	Magnetic Field Profile for 34.5-kV Double-Circuit, H-Frame Support Structure
AA-14	Electric Field Profile for 34.5-kV Double-Circuit, H-Frame Support Structure
AA-15	Magnetic Field Profile for 230-kV Single-Circuit, Monopole Support Structure, Central Collector to BPA Existing 500-kV
AA-16	Electric Field Profile for 230-kV Single-Circuit, Monopole Support Structure, Central Collector to BPA Existing 500-kV
AA-17	Magnetic Field Profile for 230-kV Single-Circuit, H-Frame Support Structure, Central Collector to BPA Existing 500-kV
AA-18	Electric Field Profile for 230-kV Single-Circuit, H-Frame Support Structure, Central Collector to BPA Existing 500-kV
AA-19	Magnetic Field Profile for 230-kV Single-Circuit, Monopole Support Structure, Western Collector to Central Collector
AA-20	Electric Field Profile for 230-kV Single-Circuit, Monopole Support Structure, Western Collector to Central Collector
AA-21	Magnetic Field Profile for 230-kV Single-Circuit, H-Frame Support Structure, Western Collector to Central Collector
AA-22	Electric Field Profile for 230-kV Single-Circuit, H-Frame Monopole Support Structure, Western Collector to Central Collector

Attachments

- A-1 Articles of Incorporation
- A-2 Amended and Restated Bylaws

- F-1 Gilliam County Landowners Within 500 Feet of Proposed Site Boundary
- F-2 Electronic Label Format: Gilliam County Landowners Within 500 Feet of Proposed Site Boundary

- G-1 Wastewater Permit Determination from Oregon Department of Environmental Quality

- I-1 NPDES Permit Application

- J-1 Montague Wind Power Facility Wetlands and Other Waters Delineation Report, Gilliam County, Oregon
- J-2 Montague Wind Power Facility Joint Permit Application [*To be submitted to the Oregon Department of Energy, the U.S. Army Corps of Engineers, and the Oregon Department of State Lands by the end of February 2010*]
- J-3 U.S. Army Corps of Engineers Jurisdictional Determination for the Pebble Springs Wind Power Facility
- J-4 Oregon Department of State Lands Jurisdictional Determination for the Pebble Springs Wind Power Facility
- J-5 Oregon Department of State Lands Jurisdictional Determination for the Leaning Juniper II Wind Power Facility

- M-1 Legal Opinion on Authority to Construct

- O-1 City of Arlington Confirmation of Available Water
- O-2 City of Arlington Water Right Certificates
- O-3 Application for Limited Water Use License

- P-1 Letter from Oregon Department of Fish and Wildlife to FPL Energy Clarifying Habitat Category 1 for the Washington Ground Squirrel
- P-2 Letter from Rose Owens, Oregon Department of Fish and Wildlife, September 15, 2008
- P-3 Oregon Wind Siting Guidelines
- P-4 Letter from Oregon Department of Fish and Wildlife to Department of Energy Clarifying Mitigation for Category 5 Habitat
- P-5 Memo from Oregon Department of Fish and Wildlife on Category 5 Habitat
- P-6 Species Occurrence Data from U.S. Fish and Wildlife Service and Oregon Natural Heritage Information Center
- P-7 Montague Wind Power Facility 2009 Biological Investigations Report

P-8	Final Report – Avian and Bat Cumulative Impacts Associated with 6,100 Megawatts of Wind Energy Development in the Columbia Plateau Ecoregion of Eastern Washington and Oregon
Q-1	Preliminary Rare Plant Evaluation for the Montague Wind Power Facility
R-1	Site Photographs
S-1	Cultural Resources Survey for the Montague Wind Power Facility [<i>Confidential and Not for Public Distribution</i>]
U-1	Correspondence with Gilliam County Sheriff’s Office
U-2	Correspondence with Gilliam County Fire Protection District
V-1	Letter from Gilliam County Oregon State University Extension Service
V-2	Letter from Sherman County Oregon State University Extension Service
W-1	Cost Estimate for Decommissioning
AA-1	Results of the Bonneville Power Administration Corona and Field Effect Program for Monopole 34.5-kV Collector Lines
AA-2	Results of the EPRI EMF Workstation: ENVIRO Program for H-Frame 34.5-kV Collector Lines
AA-3	Results of the EPRI EMF Workstation: ENVIRO Program for 230-kV Overhead Collector Lines