Lava Ridge Wind Project

Draft Environmental Impact Statement

January 2023

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Appendix 5. Select Visual Resources Simulations (1 of 13)

KOP 5: Alternating Distances from Idaho Highway 24



Prepared by:

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

In Cooperation with:

National Park Service
U.S. Army Corps of Engineers
U.S. Fish and Wildlife Service
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Mission

The Bureau of Land Management's mission is to sustain the health, diversity, and productivity of public lands for the use and enjoyment of present and future generations.

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APPENDIX 5 Select Visual Resources Simulations

Sun and Weather



Partly Cloudy

Date: 2-24-21

Photo Time: 1:50 pm

Visibility:

Air Quality: Good

Sun Azimuth:



36.93° Sun Angle:

Lighting Angle on Project:

Front Lit

Wind:

10 mph

Temperature (°F):

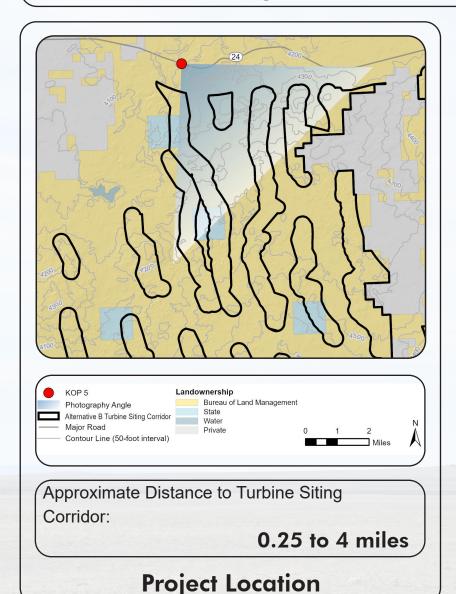
45°F

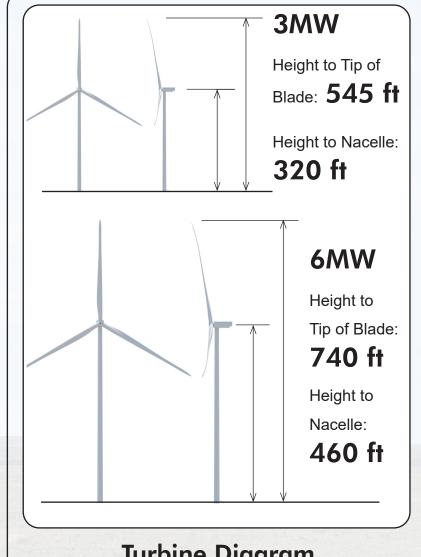
Turbines facing 270 degrees westward

Turbine Paint Color Approximated in Simulation Process: RAL Color Standard (RAL Number 7035 [Light Grey])

Simulation was prepared using information provided by client. Locations, colors, and heights may vary based on final engineering and design.

Lava Ridge Wind EIS - KOP 5 Alternating Distances





Turbine Diagram



KOP 5: Idaho Highway 24

Base Photographic Documentation

42.88790 Latitude (°):

Longitude (°): -114.132024

4170 Viewpoint Elevation (ft):

Camera Height (meters): 1.5

Camera Heading (degrees):

135

Camera Make & Model:

Nikon D5600

Camera Sensor Size (mm):

23.6 x 15.6

Crop Factor:

1.53

Lens Make & Model:

AF-P Nikkor

Lens Focal Length (mm):

24

Image Size (pixels):

6000 x 4000

Single frame simulation approximates 50mm full frame equivalent.

Viewing Instructions: Printed at 100% the resulting simulation is 16 inches wide by 10 inches high. At this size and focal length, the simulation should be viewed at arms length (24 inches). If viewed on a computer monitor, scale should be 100%.





KOP 5: Idaho Highway 24, view facing southeast. Simulated condition comparison with 3-MW and 6-MW wind turbines (blades offset from vertical) at 0.25, 0.5, 1.0, 2.0, and 4.0 miles in relation to the KOP.



KOP 5: Idaho Highway 24, view facing southeast. Simulated condition comparison with 3-MW and 6-MW wind turbines (blades vertical) at 0.25, 0.5, 1.0, 2.0, and 4.0 miles in relation to the KOP.