



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

# Lava Ridge Wind Project

Draft Environmental Impact Statement

January 2023

## VOLUME 4I

### Appendix 5. Select Visual Resources Simulations (12 of 13)

KOP 2: Minidoka National Historic Site – Block 22 Barracks (Afternoon) – Alternative D

KOP 2: Minidoka National Historic Site – Block 22 Barracks (Afternoon) – Alternative E



#### 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  
State of Idaho  
Jerome County  
Lincoln County  
Minidoka County

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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.

U.S. Department of the Interior  
Bureau of Land Management  
400 West F Street  
Shoshone, Idaho 83352

DOI-BLM-ID-T030-2021-0015-EIS



**Sunny**

Date:  
**11-12-21**  
Photo Time:  
**4:02 pm**

Good  Poor

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Sun Azimuth:

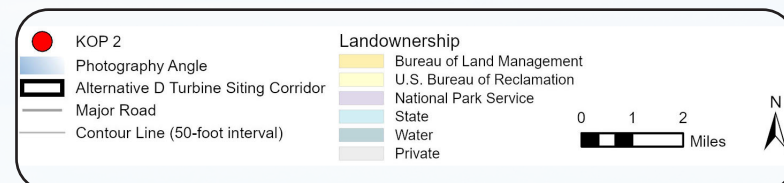
Sun Angle: **11.27°**  
Lighting Angle on Project: **Front Lit**

Wind: **10 mph**

Temperature (°F): **47°F**

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.*



Approximate Distance to Turbine Siting Corridor:

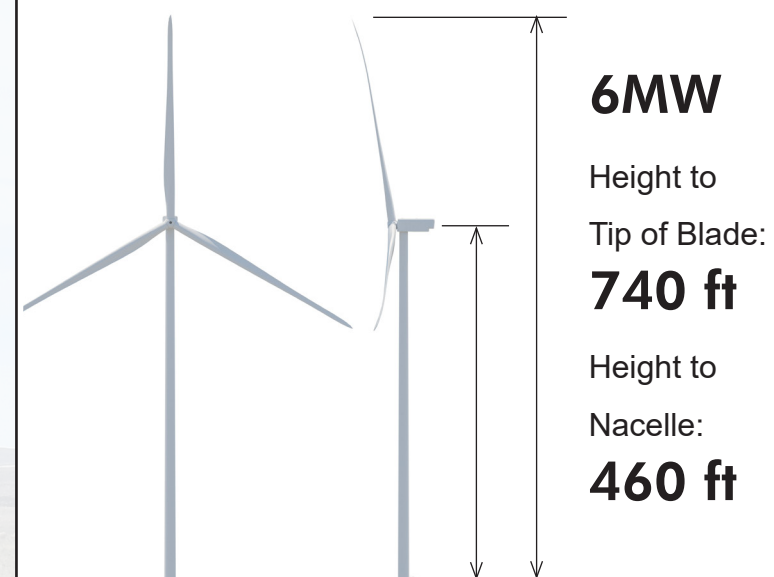
**6.5 miles**



**3MW**

Height to Tip of Blade: **545 ft**

Height to Nacelle: **320 ft**



## Base Photographic Documentation

Latitude (°): **42.679553**Longitude (°): **-114.242237**Viewpoint Elevation (ft): **3970**

Camera Height (meters):	1.5
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Camera Heading (degrees): **70**

Camera Make & Model:  
**Nikon D5600**

Camera Sensor Size (mm):	23.6 x 15.6
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Crop Factor:	<b>1.53</b>
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Lens Make & Model: **AF-P Nikkor**

Lens Focal Length (mm): **32**

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%.*

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**KOP 2: Minidoka National Historic Site Block 22 Barracks - Existing Condition - Alt. D**



**KOP 2: Minidoka National Historic Site Block 22 Barracks (3MW) - Simulated Condition - Alt. D**

This image does not represent a simulated condition. The purpose of this image is to highlight the modeled location of turbines which may otherwise be difficult for viewers to discern in the simulated condition.



**KOP 2: Minidoka National Historic Site Block 22 Barracks (3MW) - Project Orientation - Alt. D**



**KOP 2: Minidoka National Historic Site Block 22 Barracks (6MW) - Simulated Condition - Alt. D**

This image does not represent a simulated condition. The purpose of this image is to highlight the modeled location of turbines which may otherwise be difficult for viewers to discern in the simulated condition.



**KOP 2: Minidoka National Historic Site Block 22 Barracks (6MW) - Project Orientation - Alt. D**



**Sunny**

Date:  
**11-12-21**  
Photo Time:  
**4:02 pm**

Good Poor

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Sun Azimuth:

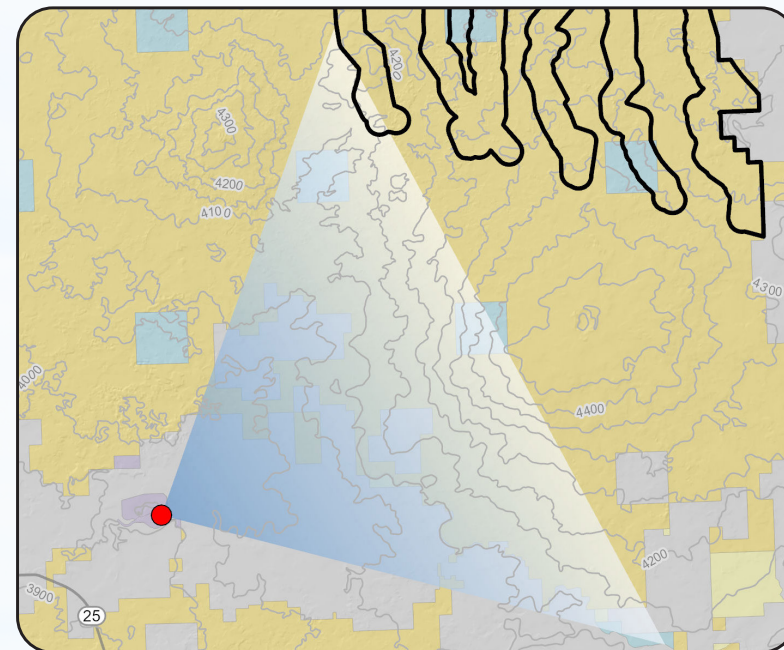
Sun Angle: **11.27°**  
Lighting Angle on Project: **Front Lit**

Wind: **10 mph**

Temperature (°F): **47°F**

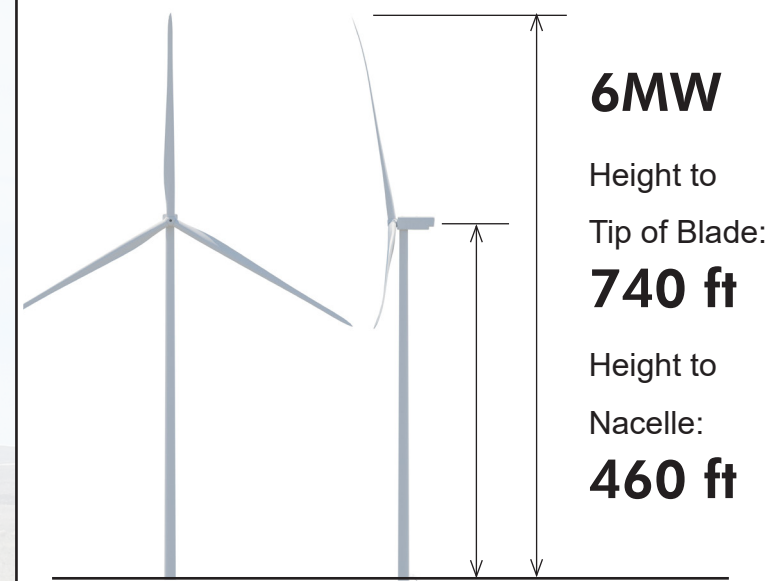
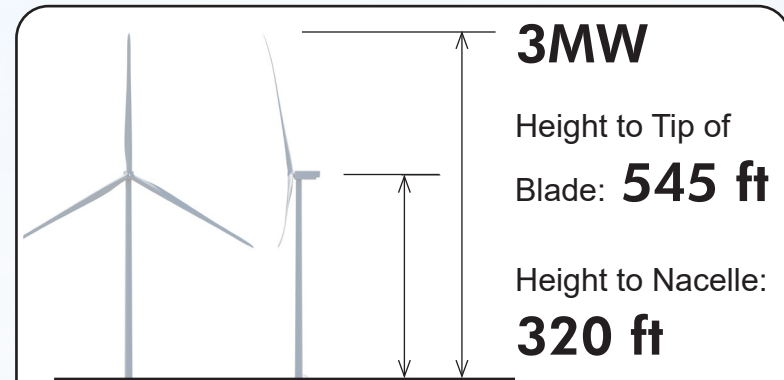
Turbine Paint Color Approximated in Simulation Process: RAL Color Standard (RAL Number 7035 [Light Grey])

## Lava Ridge Wind EIS – Alternative E



Approximate Distance to Turbine Siting  
Corridor: **10.1 miles**

## Project Location



## Turbine Diagram

Image Size (pixels):  
**6000 x 4000**

Extent of Single Frame Simulation

*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%.*

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**KOP 2: Minidoka National Historic Site Block 22 Barracks - Existing Condition - Alt. E**



**KOP 2: Minidoka National Historic Site Block 22 Barracks (3MW) - Simulated Condition - Alt. E**

This image does not represent a simulated condition. The purpose of this image is to highlight the modeled location of turbines which may otherwise be difficult for viewers to discern in the simulated condition.



**KOP 2: Minidoka National Historic Site Block 22 Barracks (3MW) - Project Orientation - Alt. E**



**KOP 2: Minidoka National Historic Site Block 22 Barracks (6MW) - Simulated Condition - Alt. E**

This image does not represent a simulated condition. The purpose of this image is to highlight the modeled location of turbines which may otherwise be difficult for viewers to discern in the simulated condition.



**KOP 2: Minidoka National Historic Site Block 22 Barracks (6MW) - Project Orientation - Alt. E**