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

Lava Ridge Wind Project

Draft Environmental Impact Statement

January 2023

VOLUME 4g

Appendix 5. Select Visual Resources Simulations (7 of 13)

KOP 1: Minidoka National Historic Site – Visitor Center (Afternoon) – Alternative C



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

Section 508 of the Rehabilitation Act of 1973 requires that the information in federal documents be accessible to individuals with disabilities. The Bureau of Land Management has made every reasonable effort to ensure that the information in this document is accessible. If you have any problems accessing the information, please contact Kasey Prestwich at kprestwich@blm.gov or (208) 732-7204.

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

Lava Ridge Wind EIS – Alternative C

Sun and Weather

Partly Cloudy

Date: **11-12-21**

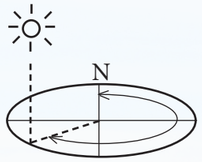
Photo Time: **3:55 pm**

Visibility:

Good — Poor

Air Quality: Good

Sun Azimuth:



229.95°

Sun Angle: **13.08°**

Lighting Angle on Project: **Side Lit**

Wind: **10 mph**

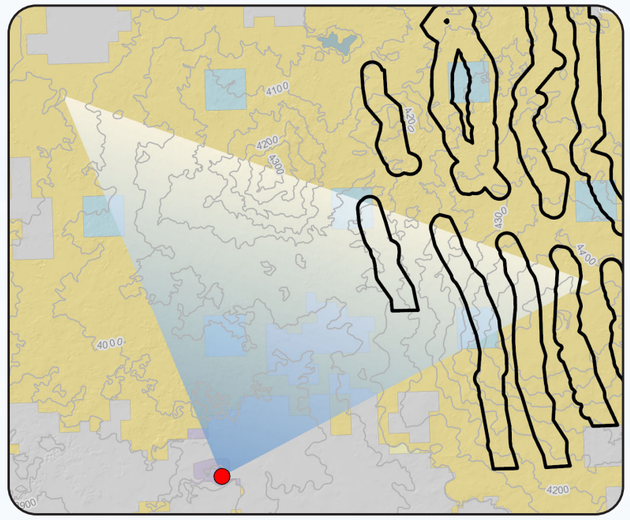
Temperature (°F): **47°F**

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.

.



KOP 1
Photography Angle
Alternative C Turbine Siting Corridor
Major Road
Contour Line (50-foot interval)

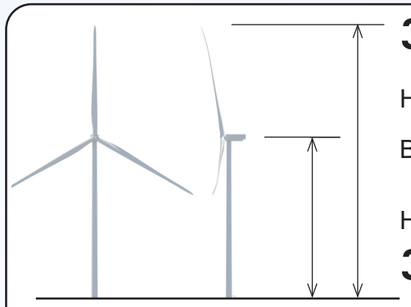
Landownership
Bureau of Land Management
U.S. Bureau of Reclamation
National Park Service
State
Water
Private

0 1 2 Miles

N

Approximate Distance to Turbine Siting Corridor: **5.5 miles**

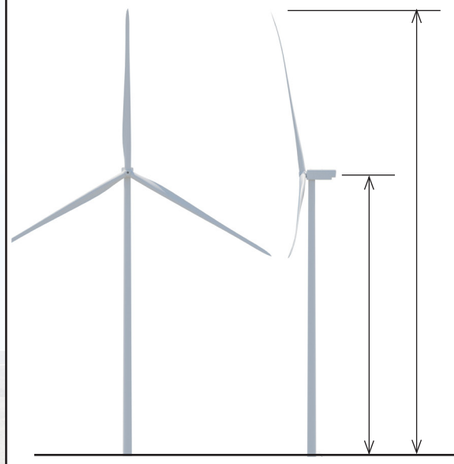
Project Location



3MW

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

Height to Nacelle: **320 ft**



6MW

Height to Tip of Blade: **740 ft**

Height to Nacelle: **460 ft**

Turbine Diagram



KOP 1: Minidoka National Historic Site – Visitor Center

Base Photographic Documentation

Latitude (°): **42.679207**

Longitude (°): **-114.24372**

Viewpoint Elevation (ft): **3970**

Camera Height (meters): **1.5**

Camera Heading (degrees): **20**

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): **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%.

SWCA® ENVIRONMENTAL CONSULTANTS



KOP 1: Minidoka National Historic Site Visitor Center - Existing Condition



KOP 1: Minidoka National Historic Site Visitor Center (3MW) - Simulated Condition - Alt. C

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 1: Minidoka National Historic Site Visitor Center (3MW) - Project Orientation - Alt. C



KOP 1: Minidoka National Historic Site Visitor Center (6MW) - Simulated Condition - Alt. C

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 1: Minidoka National Historic Site Visitor Center (6MW) - Project Orientation - Alt. C

Lava Ridge Wind EIS – Alternative C – Worst Case Scenario

Sun and Weather

Partly Cloudy

Date: **11-12-21**

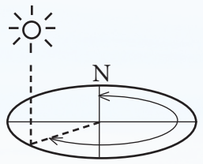
Photo Time: **3:55 pm**

Visibility:

Good — Poor

Air Quality: Good

Sun Azimuth:



229.95°

Sun Angle: **13.08°**

Lighting Angle on Project: **Side Lit**

Wind: **10 mph**

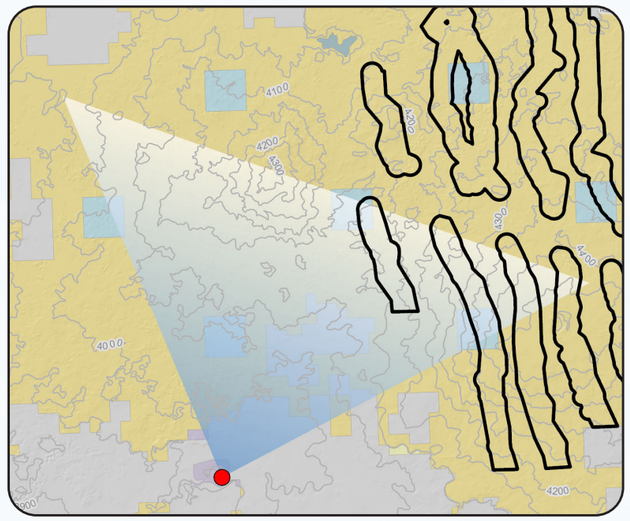
Temperature (°F): **47°F**

Turbines are oriented for simulated worst case condition at 210 degrees southwest for approximately 2% of year.

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.

.



KOP 1
Photography Angle
Alternative C Turbine Siting Corridor
Major Road
Contour Line (50-foot interval)

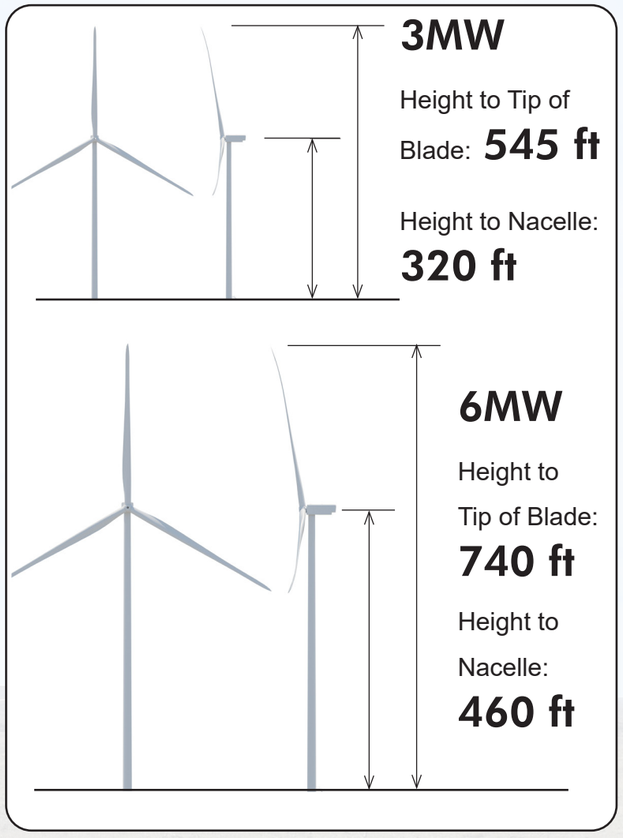
Landownership
Bureau of Land Management
U.S. Bureau of Reclamation
National Park Service
State
Water
Private

0 1 2 Miles

N

Approximate Distance to Turbine Siting Corridor: **5.5 miles**

Project Location



3MW

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

Height to Nacelle: **320 ft**

6MW

Height to Tip of Blade: **740 ft**

Height to Nacelle: **460 ft**

Turbine Diagram



KOP 1: Minidoka National Historic Site – Visitor Center

Base Photographic Documentation

Latitude (°): **42.679207**

Longitude (°): **-114.24372**

Viewpoint Elevation (ft): **3970**

Camera Height (meters): **1.5**

Camera Heading (degrees): **20**

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): **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%.

SWCA® ENVIRONMENTAL CONSULTANTS



KOP 1: Minidoka National Historic Site Visitor Center - Existing Condition



KOP 1: Minidoka National Historic Site Visitor Center (3MW) - Simulated Worst Case Condition - Alt. C

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 1: Minidoka National Historic Site Visitor Center (3MW) - Simulated Worst Case Condition Project Orientation - Alt. C



KOP 1: Minidoka National Historic Site Visitor Center (6MW) - Simulated Worst Case Condition - Alt. C

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 1: Minidoka National Historic Site Visitor Center (6MW) - Simulated Worst Case Condition Project Orientation - Alt. C