

Sun and Weather

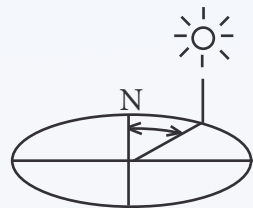


Date:
7-9-24
Photo Time:
7:55 am



Air Quality: **Good**

Sun Azimuth (degrees): **73.94**



Sun Angle (degrees): **16.61**

Lighting Angle on Project: **Front**

Wind: **20 mph**

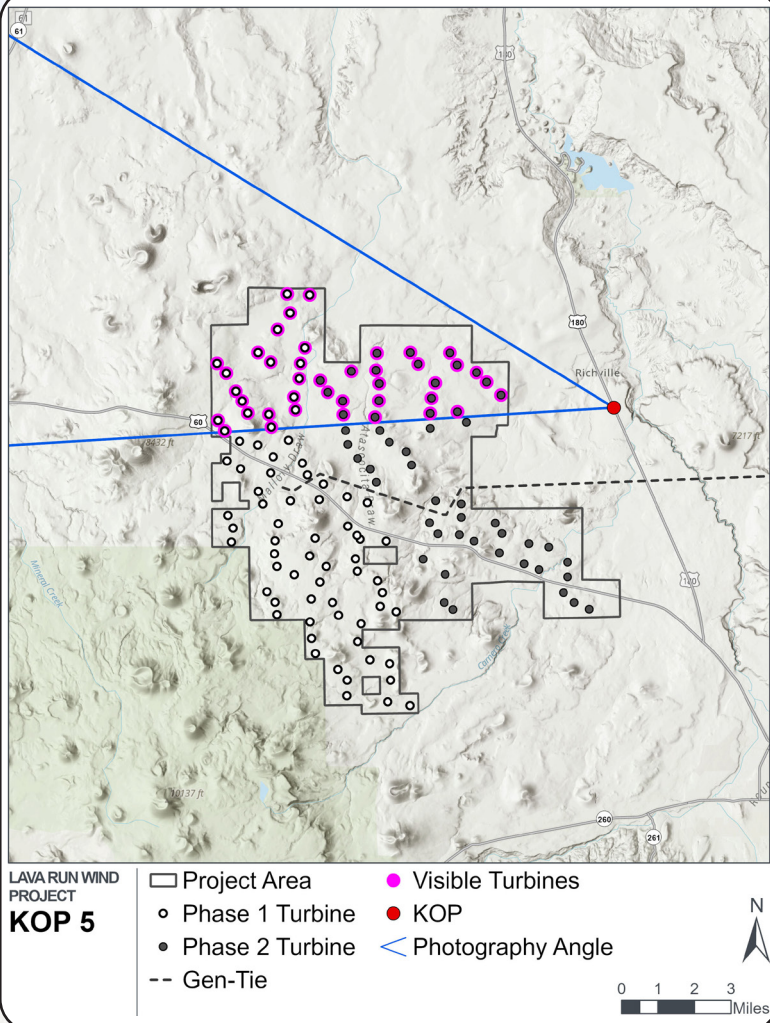
Cloud Cover: **20 %**

Temperature (°F): **75° F**

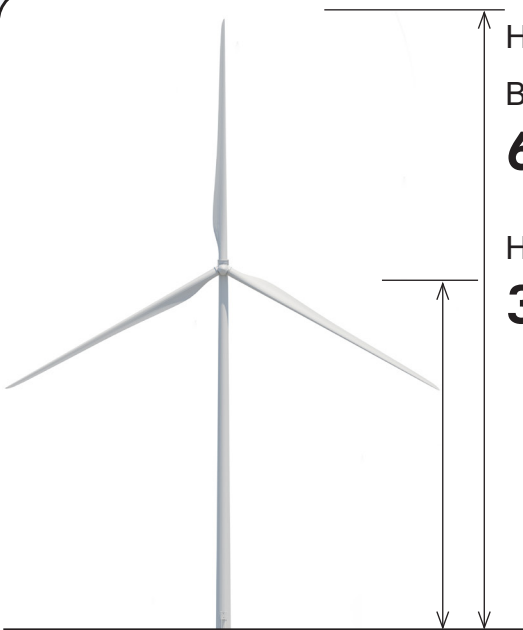
Turbines facing 247.5 degrees west-southwest

Simulation was prepared using information provided by client, "LRW_10% Design for Survey Corridors_20241018" dated October 24, 2024. Locations, colors, and heights may vary based on final engineering and design.

Lava Run Wind Energy Project



KOP Location and Visible Elements



Height to Tip of Blade:
654 feet
Height to Nacelle:
387 feet

Visual simulations developed using the tallest turbine under consideration (654 feet). Simulations include 132 total turbines (112 primary locations and 20 alternate locations). This presents more turbines than proposed for installation and allows for review of visual impact of all possible turbine locations.

Structure Diagram



Extent of Single Frame Simulation

KOP 5 - US 191 Mile Marker 384

Base Photographic Documentation

Latitude, Longitude (degrees):
34.267195, -109.359827
Viewpoint Elevation (feet):
6,415
Camera Height (meters):
1.5
Camera Heading (degrees):
280
Camera Make & Model:
Canon EOS 5D Mark IV
Camera Sensor Size (mm):
36 x 24 Full Frame
Lens Make & Model:
AF-P Nikkor
Lens Focal Length (mm):
50
Image Size (pixels):
6720 x 4480

Approximate Distance to Nearest Turbine in Simulation:
3.1 miles

Number of Turbines Visible in Simulation:
41

Approximate Distance to Nearest Gen-Tie in Simulation:
Gen-Tie is not visible in 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%.





KOP 5: View from US 191 Mile Marker 384 looking northwest - Existing Condition



KOP 5: View from US 191 Mile Marker 384 looking northwest - Simulated Condition