

Sun and Weather

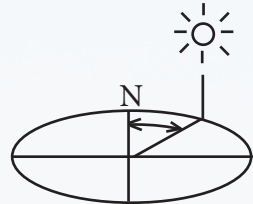


Date:  
**7-9-24**  
Photo Time:  
**7:30 am**



Air Quality: **Good**

Sun Azimuth (degrees): **71**



Sun Angle (degrees): **11.84**

Lighting Angle on Project: **Side**

Wind: **15 mph**

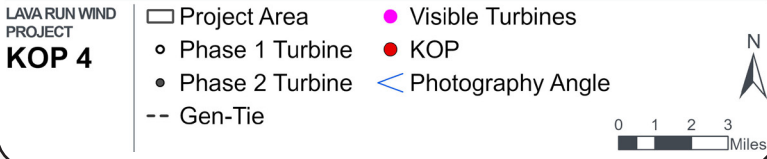
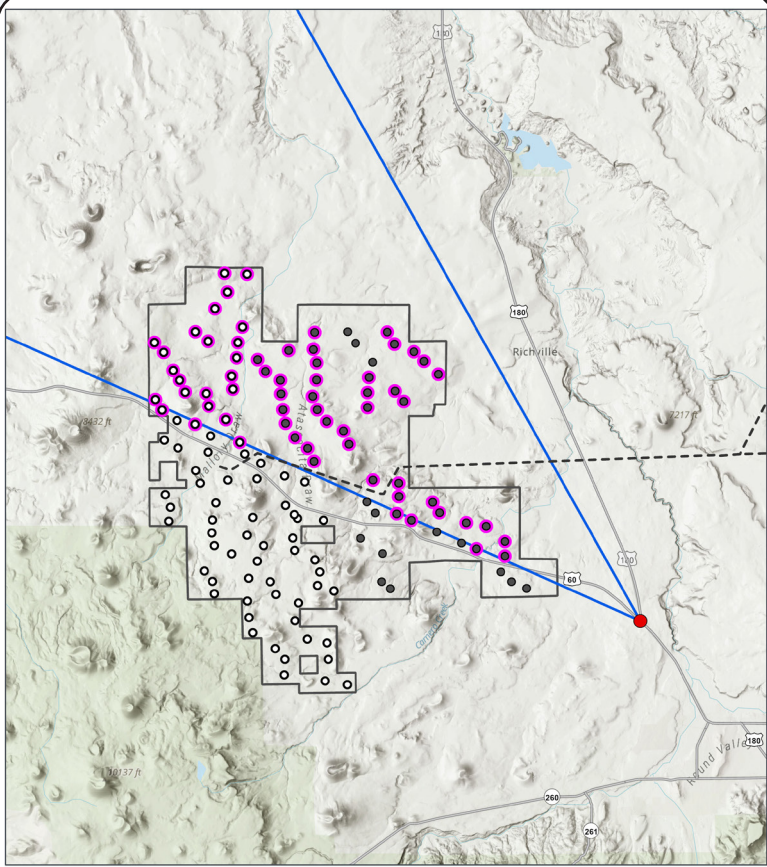
Cloud Cover: **20 %**

Temperature ( °F): **75° F**

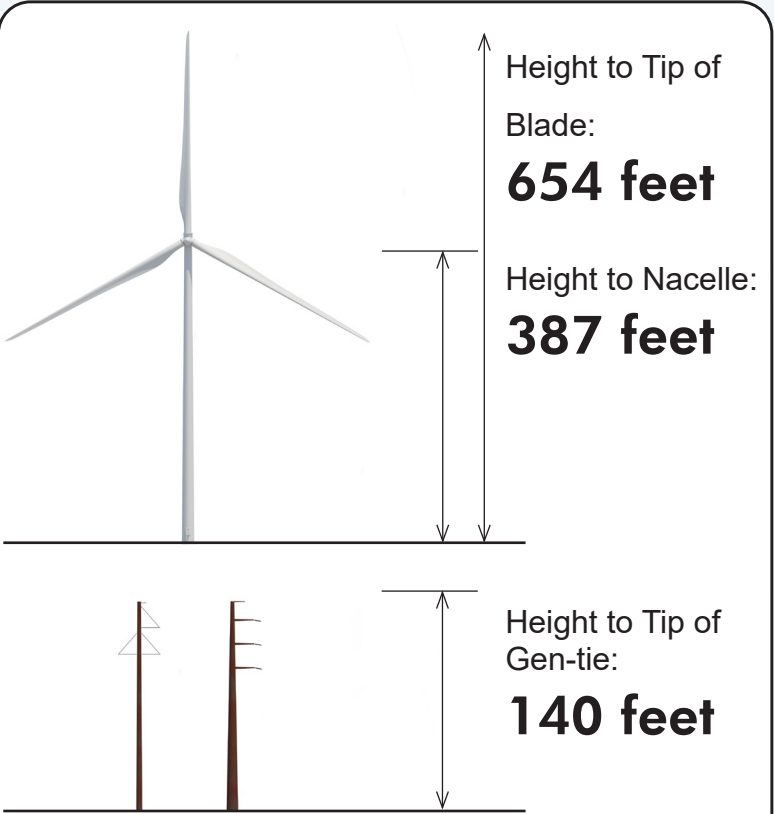
Turbines facing 247.5 degrees west-southwest

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



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

Structure Diagram



Extent of Single Frame Simulation

KOP 4 - Junction of US 60 and US 191

Base Photographic Documentation  
Latitude, Longitude (degrees): **34.173855, -109.317958**  
Viewpoint Elevation (feet): **6,985**  
Camera Height (meters): **1.5**  
Camera Heading (degrees): **310**  
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: **4.1 miles**  
Number of Turbines Visible in Simulation: **64**  
Approximate Distance to Nearest Gen-Tie in Simulation: **5.1 miles**

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 4: View from Junction of US 60 and US 191 looking northwest - Existing Condition**





**KOP 4: View from Junction of US 60 and US 191 looking northwest - Simulated Condition**