

## Visual Simulations

# KOP001 Tie Siding

Early Afternoon

GE 3.0MW



## Rail Tie Wind Project

### Simulation Data

#### Photograph Information

Photo Name	191120_DSC_0887_MAX_Sim.JPG
Date of Photograph	09/25/19
Time of Photograph	1:28 PM
Latitude	41.080677°
Longitude	-105.507013°
Ground Elevation + Tripod Height	2350m
Photograph Settings	ISO 200 1/400sec. f/10

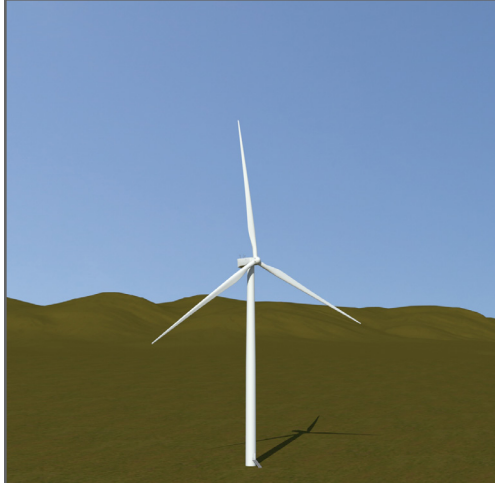
#### Camera Specifications

Camera Make and Model	Nikon D90
Sensor Size	Nikon APS-C (23.6x15.8mm)
Lens Make and Model	AF-S DX NIKKOR 35mm f/1.8G
Lens Focal Length	35mm prime
35mm Equivalent Focal Length	53.55mm

#### Sun and Weather Information

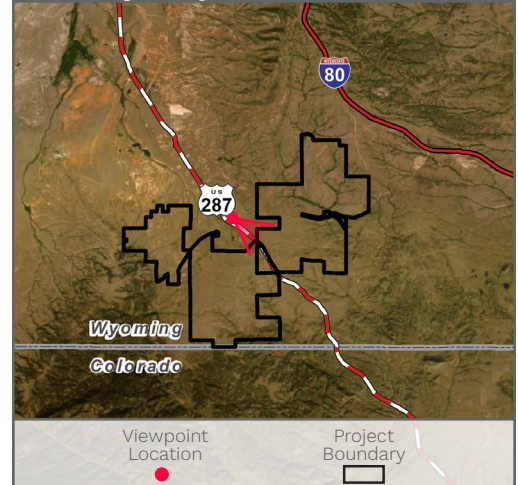
Sun Angle/Azimuth	191°
Sun Elevation	47°
Weather Conditions	Partly Cloudy

### Wind Turbine Information



Number of Turbines	149
Make and Model	GE 3.0MW
Upper Blade Tip Height	152.5m
Lower Blade Tip Height	31m
Indicative Hub Height	89m
Rotor Diameter	127m

### Vicinity Map



### Viewing Instructions

The single-frame simulation on the following page should be printed at 11 by 17 inches; full size with no scaling; and viewed at arm's length (24 inches).

If viewed on a computer monitor, the document should be scaled to 100 percent and viewed at arm's length (24 inches).

### Panoramic Existing Condition



### Panoramic Simulated Condition



Extent of Single Frame Simulation





**KOP001 Tie Siding**  
**Early Afternoon, viewing Southeast**  
GE 3.0MW, Minimum Turbine Height Scenario



## Visual Simulations

# KOP001 Tie Siding

Early Afternoon

Vestas V162-5.6MW



## Rail Tie Wind Project

### Simulation Data

#### Photograph Information

Photo Name	191120_DSC_0887_MAX_Sim.JPG
Date of Photograph	09/25/19
Time of Photograph	1:28 PM
Latitude	41.080677°
Longitude	-105.507013°
Ground Elevation + Tripod Height	2350m
Photograph Settings	ISO 200 1/400sec. f/10

#### Camera Specifications

Camera Make and Model	Nikon D90
Sensor Size	Nikon APS-C (23.6x15.8mm)
Lens Make and Model	AF-S DX NIKKOR 35mm f/1.8G
Lens Focal Length	35mm prime
35mm Equivalent Focal Length	53.55mm

#### Sun and Weather Information

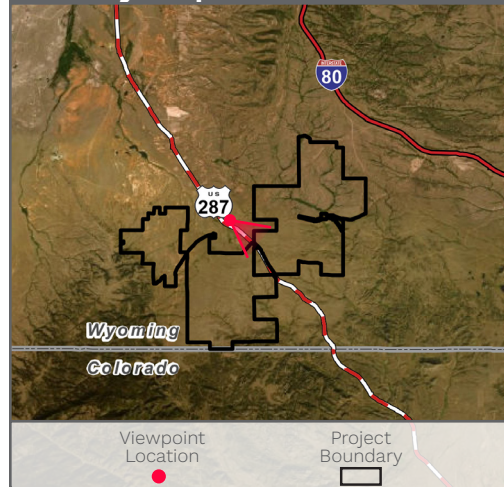
Sun Angle/Azimuth	191°
Sun Elevation	47°
Weather Conditions	Partly Cloudy

### Wind Turbine Information



Number of Turbines	87
Make and Model	Vestas V162-5.6MW
Upper Blade Tip Height	206m
Lower Blade Tip Height	44m
Indicative Hub Height	125m
Rotor Diameter	162m

### Vicinity Map



### Viewing Instructions

The single-frame simulation on the following page should be printed at 11 by 17 inches; full size with no scaling; and viewed at arm's length (24 inches).

If viewed on a computer monitor, the document should be scaled to 100 percent and viewed at arm's length (24 inches).

### Panoramic Existing Condition



### Panoramic Simulated Condition



Extent of Single Frame Simulation





**KOP001 Tie Siding**  
**Early Afternoon, viewing Southeast**

Vestas V162-5.6MW, Maximum Turbine Height Scenario