



View Location Map



Simulation Information

Base Photograph

Date: 7/2/14  
Time: 12:37 pm  
Weather conditions: Partly sunny  
Image Size: 5472 x 3648 pixels

Camera Properties

Camera Make/Model: Canon EOS 6D  
Sensor Dimensions: 35.8mm x 23.9mm  
Lens Make/Model: Canon EF 50mm  
Lens Focal Length: 50mm  
Focal Length (35mm Equivalent): 52mm  
Approx. Angle of View: 40° horizontal, 27° vertical  
Camera Height: 5 ft (1.5 meters)

View Location Information

View Location Name: Exhibit 7  
Location: Northeast shore of Franklin Pierce Lake  
Orientation: South/Southwest  
Latitude/Longitude: 43.106055°, -71.945872°  
Camera elevation above sea level: 764 ft (233.0m)  
Simulation viewing distance: 21.3 in (54.102 cm)  
Distance to nearest visible turbine: 4.10 miles (6.60 km)  
Distance to furthest visible turbine: 5.87 miles (9.44 km)

Turbine Information

Model: Siemens SWT 3.2 / 113  
Hub height: T1 - T8 303'-6" (92.5 m) T9 260'-10" (79.5 m)  
Rotor diameter: 370'-8" (113 m)  
Overall turbine height: T1 - T8 488'-10" (149.01 m) T9 445'-2" (135.67 m)

Visual Simulation Notes:

1. Visual simulation is based on GIS data available at the time from USGS National Elevation Data Set and Antrim Wind Energy. Data is only as accurate as the original source and is not guaranteed by LandWorks.
2. This simulation depicts turbines, as well as visibility of access roads, collector lines, and associated clearing.

Technical Information

Software: ArcGIS ArcMap 10; Nemetschek VectorWorks 2015; SketchUp Pro 8; Adobe Photoshop CS5  
Digital elevation data source: USGS National Elevation Dataset (NED) 1/3 arc-second



Aerial Context Map







EXHIBIT 7: EXISTING CONDITIONS FROM FRANKLIN PIERCE LAKE, HILLSBOROUGH (SHEET 2 OF 3)





EXHIBIT 7: VISUAL SIMULATION OF PROPOSED CONDITIONS FROM FRANKLIN PIERCE LAKE, HILLSBOROUGH