

Table 1. Highland Wind Project Key Facts

Key Facts	Preliminary Plan Units	Comments
Number of Turbines		
Stewart-Witham-Bald Mountains:	26 turbines	
Briggs-Burnt Hill:	22 turbines	
Wind Output		
Total Layout	128.6 MW	360,000 MW/hr/yr
Maine Homes Equivalent	Approximately 48,300 homes	Calculated using the Energy Information Administration's Residential Energy Consumption Survey: http://www.eia.doe.gov/emeu/recs/recs2005/c&e/detailed_tables2005c&e.html
Wind Resource		
Prevailing wind direction	Northwest	
Average wind speed	Approximately 6.5-9.5 meters/second	Between a Class IA and Class IIA wind resource using the IEC classification system.
Pollution Avoided		
Total wind farm average per day – CO ₂	Approximately 990,250 pounds/day	Calculated using http://www.iso-ne.com/genrtion_resrcs/reports/emission/2007_mea_report.pdf
Total wind farm average per year -- CO ₂	Approximately 162,650 metric tons/year	Calculated using http://www.iso-ne.com/genrtion_resrcs/reports/emission/2007_mea_report.pdf
Total wind farm average per day – SO ₂	Approximately 562 pounds/day	Calculated using http://www.iso-ne.com/genrtion_resrcs/reports/emission/2007_mea_report.pdf
Total wind farm average per year -- SO ₂	Approximately 92 metric tons/year	Calculated using http://www.iso-ne.com/genrtion_resrcs/reports/emission/2007_mea_report.pdf
Cleared acreage		
48 Turbine Pads Temporary clearing Permanent clearing	117.8 acres 6.54 acres	
New/Improved Roads–West Ridge Temporary clearing Permanent clearing	100.41 acres 16.91 acres	46,041 feet, average 95 feet wide 46,041 feet, average 16 feet wide
New/Improved Roads-East Ridge Temporary clearing Permanent clearing	80.26 acres 13.52 acres	36,802 feet, average 95 feet wide 36,802 feet, average 16 feet wide
New/Improved Roads-Access Rd Temporary clearing Permanent clearing	57.7 acres 13.19 acres	35,904 feet, average 70 feet wide 35,904 feet, average 16 feet wide
Operations and Maintenance Building and Substation	2.61 acres	
Laydown Area Temporary clearing	24 acres	

Key Facts	Preliminary Plan Units	Comments
Transmission and Collector Line Corridors Temporary clearing	150.1 acres	
Total Project Clearing Temporary clearing Permanent clearing	530.27 acres 52.77 acres	
Wetlands and Streams Impacted		
Roads and Turbines Temporary clearing Permanent wetland fill Permanent stream fill	877 square feet 19,707 square feet 752 linear feet	Includes replaced culverts
Buildings	0.04 acres	
Electrical Design Clearing Fill	6.44 acres 20 square feet	
Total wetland impact Clearing Fill Total stream impact	6.46 acres 0.45 acres 752 linear feet	
Road Mileage		
Total upgraded roads	3.2 miles	
Total new roads	22.5 miles	