

Arkwright Summit Wind Farm

Decommissioning Plan (Updated August 2015)

A Decommissioning Plan for the Project was included as Exhibit 9 in the Local Permit Application that was submitted in 2008, and is appended to this document. The original plan describes 1) the estimated life of the Project and turbines, 2) the estimated cost of decommissioning, 3) the decommissioning process, and 4) the site restoration process. The 2008 Decommissioning Plan remains largely accurate, with the exception of some minor changes that are discussed below. A revised estimate of the cost of turbine decommissioning is included below in Table 1. Based on this cost estimate and the currently proposed 36 turbine layout, the total cost of decommissioning the Project in 2014 dollars is \$3,656,016, although this cost will be offset by the salvage value of the towers and turbine components. In addition to the revised cost estimates, the depth to which turbine foundation concrete will be removed has been revised from 48 inches (as set forth in the 2008 Decommissioning Plan) to 36 inches (Table 1), which is the depth specified by the Town of Arkwright Local Law 2 of 2007, §657.

Table 1. Estimated Cost of Decommissioning in 2014 Dollars per Wind Turbine.

Removal of Tower	270 man hours x \$97.05/hour Cranes (2), 5 days x \$6,850.59/day	\$26,203.52 \$34,252.95
Removal of Concrete to at Least 36 inches Below Grade	150 man hours x \$97.05 Equipment, 3 days x \$2,854.41/day	\$14,557.5 \$8,563.23
Removal of Collection System	100 man hours x \$97.05/hour Equipment, 2 days x \$3,996.18/day	\$9,705 \$7,992.36
Seeding and Re-vegetation (Assumes 2 acres/turbine, including collection system)	3 man hours x \$97.05/hour	\$291.15
Total Removal Costs Per Turbine		\$101,556
Scrap Value of Tower Steel	200 tons x \$171.26/ton	\$34,252
Scrap Value of Generator Components	Per turbine	\$5,708.83
Total Salvage Value Per Turbine		\$39,961
Estimated Per Turbine Net Cost of Decommissioning (Total Removal Cost Less Estimated Salvage Value)		\$61,605

Consistent with the original Decommissioning Plan, the Applicant will continuously maintain a surety bond or equivalent financial security instrument payable to the Town for the removal of non-functioning wind turbine and appurtenant facilities, in a form and amount approved by the Town Board for the period of the life of the facility. The

Applicant will in writing, request approval of a proposed surety bond or financial security instrument in a proposed amount not less than \$9000 per turbine, or a total of \$324,000 (assuming 36 turbines), renewable on an annual basis, for the removal of non-functioning turbines and associated facilities as shown in Table 1.

The 2008 Decommissioning Plan also set forth a process for keeping the decommissioning cost estimate current and up-to-date. Typically, salvage costs and other values associated with decommissioning do not fluctuate significantly year-to-year. Consequently, the estimated costs associated with decommissioning and restoration will be evaluated by an independent licensed engineer retained by the Applicant on a cycle beginning after the operations date of the wind farm and will be reviewed every five years thereafter for the life of the wind farm. A report summarizing the results of each review will be submitted to the Town Board. Any adjustment in the security value recommended by the engineer's report will be made within 60 days of delivery of the report to the Town Board. These steps will ensure that the appropriate level of funding for the decommissioning process will remain in place throughout the life of the Project.