

## **1.0 INTRODUCTION**

St. Lawrence Windpower, LLC (SLW) submits herein this Joint Application for the proposed St. Lawrence Wind Farm project (the “Project”) located in the towns of Cape Vincent and Lyme in Jefferson County, New York (NYS DEC Region 6). The proposed Project includes constructing a wind-powered electric-generating facility with up to 53 turbine locations, totaling a capacity of approximately 79.5 megawatts (MW). All 53 turbine locations, temporary construction lay-down areas, access roads, underground interconnect lines, operation and maintenance (O&M) building, meteorological towers, electrical substation, and all other components will be located in the Town of Cape Vincent; whereas most of the proposed overhead electrical transmission line and new substation facility would be located in the Town of Lyme adjacent to an existing substation (see Figure 1, Attachment A). Given the open space and extent of land area required to site a wind generation facility, and the extent of open land (farm land) in the Project area, SLW proposes to obtain lease easements, and thereby maintain the current use of the farm land within the Project area.

### **1.1 Project Purpose**

The purpose of the proposed Project is to generate electricity from wind, a clean, renewable energy source. The wind powered electrical-generating facility is proposed in an area pre-determined to be one of New York’s suitable wind speed areas capable of sustained wind power generation.

This Project would be a significant source of renewable energy to the New York power grid. The Project is in compliance with New York State Public Service Commission (PSC) Order 03-E-0188, issued on September 24, 2004, which created the New York State Retail Renewable Portfolio Standard (RPS). The Project also supports several objectives identified in the 2002 State Energy Plan (New York State Energy Planning Board, 2002).