



1. INTRODUCTION

The Dufferin Wind Power Project (the Project) is a wind facility being developed by Dufferin Wind Power Inc. (DWP), an entity owned by Longyuan Canada Renewables Ltd. (Longyuan Canada) and Farm Owned Power (Melancthon) Ltd. (FOPM). The wind farm, located in the County of Dufferin, will consist of 18 General Electric (GE) 2.75 MW and 31 GE 1.6 MW wind turbines. The project’s total nameplate capacity is 99.1 MW and its expected generation capacity is 91.4 MW. The wind turbines will be situated entirely on privately owned land that is currently under agricultural production of row crops, pastureland or land that has been left fallow.

A 100 MW contract from the Ontario Power Authority (OPA) for the sale of electricity from wind power through the Province’s Feed-in-Tariff (FIT) program (enabled by the *Green Energy and Green Economy Act*) has been received for the Project. The Project will require approval under *Ontario Regulation 359/09, Renewable Energy Approval (REA or Ontario Regulation 359/09)* under Section V.0.1 of the *Ontario Environmental Protection Act*. Based on the REA Regulations, this project is a ‘Class 4’ wind facility.

This Construction Plan Report has been prepared to fulfill the requirements of Item 1 in Table 1 of the *Ontario Regulation 359/09, Renewable Energy Approvals* as shown on **Table 1**.

Table 1: Adherence to Ontario Regulation 359/09 Construction Plan Report Requirements	
Requirements	Section Reference
Set out a description of the following in respect of the renewable energy project:	
1. Details of any construction or installation activities.	Section 4
2. The location and timing of any construction or installation activities for the duration of the construction or installation.	Section 4
3. Any negative environmental effects that may result from construction or installation activities.	Section 5
4. Mitigation measures in respect of any negative environmental effects mentioned in paragraph 3.	Section 5

The following reports are appended to this Construction Plan Report:

- **Stage 1 and 2 Archaeological Assessments**, which reports on the conclusions of the preliminary background review, field studies and archaeological findings within the Project Location. Also included, is the Ministry of Tourism, Culture and Sport’s Acceptance letter of the archaeological work undertaken for this project.



- **Cultural Heritage Self-Assessments** and **Full Cultural Heritage Assessment**, which examines the cultural heritage properties within, or adjacent to, the Project area. Also included, is the Ministry of Tourism, Culture and Sport's Acceptance letter of the cultural heritage work undertaken for this project.
- **Transportation Plan for Turbine Delivery**, which specifies the route to be used to deliver project components. A Traffic Management Plan will be established for the purpose of ensuring safety while minimizing interference with existing road use. Transportation routes, safety measures, and the potential for rehabilitating County Roads will be identified, as applicable, during pre-construction, construction, and post-construction stages.
- **Preliminary Design Drawings** of project infrastructure.

This Construction Plan Report was made available for municipal and aboriginal review and comment on February 24, 2012, and for public review and comment on May 24, 2012. Public consultation on the May 2012 REA Report Package ended on July 23, 2012. Other reports included in the REA submission package include:

- Project Description Report
- Design and Operations Report
 - Noise Assessment Report
 - Environmental Effects Monitoring Plan
 - Emergency Response and Communications Plan
 - Post-Construction Monitoring Plan
- Decommissioning Plan Report
- Water Body Report
- Water Assessment Report
- Wind Turbine Specifications Report
- Property Line Setback Assessment Report
- Natural Heritage Assessment Reports
 - Records Review
 - Site Investigation
 - Evaluation of Significance
 - Environmental Impact Study
- Consultation Report
- Supporting Documents.