

GIS Specialist Position Description

Prowind Inc. is seeking a Geographic Information Systems (GIS) Specialist for the creation and subsequent management of maps relating to the identification of ideal locations for renewable energy development. Prowind is seeking to develop maps which identify ideal locations for both wind and solar energy development in specific regions throughout Canada and the United States. The GIS Specialist will be expected to organize and source appropriate data for use in various mapping exercises. Using defined parameters identified by Project Team Leads, the GIS Specialist will work with GIS software to perform two key tasks, outlined below.

Core Competencies

The following core competencies are considered required in order to achieve the outcomes desired by Prowind:

- Comfortable with QGIS software;
- Familiar with Microsoft Office Software and PC Systems;
- High quality communication and organizational skills;
- Comfortable performing related research through desktop analysis and phone/e-mail communication;
- Ability to interpret local zoning laws;
- Capacity to identify and locate appropriate sources of information relating to GIS (including but not limited to: shapefiles, kmz files, local zoning laws, relevant legislation, etc.); and
- Ability to interpret and summarize relevant environmental, development, construction, etc. restrictions relating to wind and/or solar energy development in previously identified regions throughout the United States and Canada.

In addition to the abovementioned Core Competencies, it is preferred that the GIS Specialist also have experience in using AutoCAD. One to two years of experience is considered sufficient to achieve the goals identified for the GIS Specialist, along with post-secondary education in a related field. The GIS Specialist position is for a three-month contract with possible renewal

Task 1: Identify Ideal Locations for Wind and Solar Development in Specific Markets

The GIS Specialist will determine appropriate areas in which Prowind can focus their efforts for wind and solar energy development. In order to do so, the Specialist will be responsible for incorporating various factors into the maps they create, which will prove useful in new site acquisition processes.

Some maps have been previously created which can be used as base maps for the abovementioned work. Review of the attributes and coordinate systems of the existing maps will need to be performed prior to use as base maps.

Using the abovementioned base maps, the GIS Specialist will generally focus on environmental constraints and existing constraints based on factors relating to the electrical grid in the

specified areas. The key desired output from this exercise will be a data set containing appropriate counties, utilities, municipalities, etc. Project Team Leads will be available to review the prioritized factors and desired achievements.

Task 2: Create Various Removable Layers Identifying Constraints

The GIS Specialist will incorporate the various constraints identified by Project Team Leads into removable layers which can be used, when necessary. While the abovementioned maps and informational data sets are the priority of the GIS Specialist, a secondary task will be required of the Specialist to create various removable layers which identify and display specific constraints found in various regions of Canada and the United States. In order to do so, the Specialist will be required to organize their GIS data in a manner which is easily accessible by Project Team Leads for future development, micro-siting, and determination of project layouts.

Key Deliverables

The following is a non-comprehensive list of key deliverables that will be expected from the GIS Specialist:

- Organized list of pre-determined variables along with their GIS files, which can be easily used by Project Team Leads in the future;
- List and map of most promising areas for future development in previously identified regions throughout the United States and Canada;
- Maps produced in such a manner that will be easily interpreted by third parties;
- Preliminary site plans for wind and/or solar energy development, created upon request from Project Team Leads; and
- Presentations of results to appropriate Team Members.

About Prowind

Prowind Inc. ("Prowind") is a renewable energy developer and operator focused on the development of renewable energy projects using wind and solar technologies. With over 33 renewable energy projects currently in operation globally, Prowind has the expertise and experience to successfully develop and operate renewable energy projects around the world. The North American headquarters is located in Hamilton, Ontario.

Our company values focus on building lasting relationships within the communities we operate. We look for development opportunities that allow for participation by community members such as ownership, community benefit programs or as customers for the renewable electricity generated.

Eligible applicants are encouraged to send a detailed cover letter and CV to Carr Villabroza (cvillabroza@prowind.com) by March 15, 2019. Please enter "GIS Specialist" as well as your name in the subject line of the e-mail.