Project Description

The Whitla Wind Project (the “Project”) is a nominal 300 megawatt (“MW”) wind power facility that Capital Power is proposing to develop in two phases. The Project is located approximately 15 kilometres south of Bow Island in the County of Forty Mile, Alberta.

Phase 1 of the Project will consist of a 201.6 MW facility, with 56 turbine sites. In December 2017, Capital Power was awarded a contract for Phase 1 under Alberta’s Renewable Electricity Program (“REP 1”). Phase 2 will be approximately 97.2 MW.

The final Project design layout is enclosed (see “Whitla Wind Final Updated Design Layout Map with Finalized Turbine Locations”).

Project Approvals Required

In October 2017, Capital Power applied to the Alberta Utilities Commission (“AUC”) for approval to construct and operate the Project and associated substation. The AUC Facility Application (“Application”) material can be viewed on Capital Power’s website at www.capitalpower.com/whitla.

The AUC process involves an ongoing Participant Involvement Program (“PIP”) that includes in-person consultation, public notification, project-specific mailings (such as this) and open house discussions. The AUC’s brochure “Public involvement in a proposed utility development” is included in this package.

This package also includes information on the wind turbine technology selected, environmental and regulatory considerations, development planning and schedules for upcoming activities anticipated over the next two years.

Public Open House

Capital Power is seeking additional opportunities from stakeholders to provide input and feedback on the proposed Project.

Join us at the Whitla Wind open house:
Thursday, March 8, 2018
4:00 pm to 8:00 pm
Bow Island Legion
202 5 Ave East, Bow Island, AB

Previous open houses on the Project were held in September 2017.

Representatives from Capital Power and subject matter experts, will be available to answer questions, and gather input and feedback about the Project.

The open house will include information on:
• Background on Capital Power
• Project schedule
• Maps showing the Project area and turbine locations
• Environmental studies completed
• Noise impact study
• Project construction
• AUC process
• Other technical information

Technology

Wind Turbine Configuration

For Phase 1 of the Project, Capital Power has proposed in its Application the Vestas V136 (3.6 MW) wind turbine. The turbine has a hub height of 105 metres and a blade rotor diameter of 136 metres.
Environmental Assessment

Capital Power completed detailed baseline environmental surveys for the Project in accordance with the requirements outlined in the Wildlife Directive for Alberta Wind Energy Projects (GOA, 2017). This work indicates the Project can be constructed and operated in an environmentally responsible manner.

Capital Power submitted its biophysical survey program to Alberta Environment and Parks ("AEP") for review and obtained sign-off from AEP for the Project.

AUC Rule 012 – Noise Control

Consideration was given to potential noise impacts from proposed wind turbines at identified nearby residences. Capital Power conducted a noise impact assessment ("NIA") for the Project and results show that the Project complies with permissible sound levels detailed in AUC Rule 012: Noise Control.

Detailed information on the environmental studies included within the Project Environmental Evaluation and NIA included within the AUC Application are available online at www.capitalpower.com/Whitla

Siting Considerations (constraints)

There are extensive federal, provincial and municipal land use considerations for siting wind development in Alberta. The existing regulatory setback requirements are established to address specific land use, environmental, or social impacts.

Examples of setback requirements include, but are not limited to: noise, wildlife, bird/bat migration, wetlands, native grasslands, roads, and other existing industrial infrastructure.

The Project design layout adheres to all these setback requirements.

Development Planning

In 2010, Shell Canada Ltd. applied for and received a change of land use designation for a large portion of land southeast of Bow Island that still applies today. A significant portion of Whitla Wind is already designated as Wind Energy Facility ("WEF").

In the first half of 2018, Capital Power will be applying for a Land Use Amendment to the WEF District and development permit for Phase 1 of the Project in compliance with the County of Forty Mile’s Land Use Bylaw (No. 10/2009) and other provincially regulated guidelines.
The minimum setbacks and blade clearance used to develop the Project design layout are consistent with the County’s Land Use Bylaw, Part VI – Land Use Districts and Regulations: 81. Wind Energy Facility District.

Section 81. Wind Energy Facility District

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Setback¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undeveloped or developed municipal roadways</td>
<td>Total height + 10%</td>
</tr>
<tr>
<td>Provincial highway</td>
<td>As per AB Transportation</td>
</tr>
<tr>
<td>Adjacent residences</td>
<td>As per AUC Rule 012: Noise (formerly Directive 038: Noise Control)</td>
</tr>
<tr>
<td>Adjacent properties (inside WEF) without a road allowance separation</td>
<td>Min. of 7.5 m from outside of rotor arc</td>
</tr>
<tr>
<td>Adjacent properties (outside WEF) without a road allowance separation</td>
<td>No less than total height + 10% (unless a caveat is registered on title ²)</td>
</tr>
<tr>
<td>Blade clearance</td>
<td>7.6 m (25 ft.)</td>
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</table>

¹ Setback (i.e. the minimum distance between the wind turbine base and a specific attribute, e.g. house, road, etc.).
² Waiver may be granted.

Altalink Transmission Interconnection Process

Capital Power has requested access to the transmission system by connecting Altalink’s existing Whitla Substation to Capital Power’s proposed Shamrock Substation, which will be built as part of the Project. Altalink is proposing to build approximately 12.5 kilometres of 240 kilovolt (kV) single circuit transmission line. The final transmission line length is dependent on the route approved by the AUC. Altalink’s AUC application is separate from Capital Power’s AUC process for the Whitla Wind Project. More on Altalink’s proposal can be found at www.altalink.ca/projects.

Project Schedule

Based on current timelines, we anticipate that Phase 1 of Project will achieve an In-Service Date in late 2019.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Timing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public engagement</td>
<td>Throughout development</td>
</tr>
<tr>
<td>Permitting and interconnection approvals</td>
<td>Q2 2016 – Q3 2018</td>
</tr>
<tr>
<td>2017</td>
<td>AUC regulatory application and review</td>
</tr>
<tr>
<td>2018</td>
<td>Detailed siting of Project infrastructure, legal surveys and completion of leases</td>
</tr>
<tr>
<td>2018</td>
<td>Facility pre-construction activities (geo-technical, surveying)</td>
</tr>
<tr>
<td>2018</td>
<td>Facility construction activities (targeted)</td>
</tr>
<tr>
<td>2019</td>
<td>Transmission construction</td>
</tr>
<tr>
<td>2019</td>
<td>Wind project construction</td>
</tr>
<tr>
<td>2019</td>
<td>Testing and commissioning</td>
</tr>
<tr>
<td>2019</td>
<td>Anticipated Commercial Operations Date (“COD”)</td>
</tr>
</tbody>
</table>

The timelines for Phase 2 will be determined at a later date.
Capital Power - A Leading Developer of Wind Energy

Edmonton-based Capital Power is an experienced developer, constructor, and operator of wind energy facilities across North America. Over the last five years, Capital Power has constructed five wind energy facilities in British Columbia, Alberta, Ontario and Kansas.

Recently completed wind energy facilities

- **Bloom Wind, KS** – 54 Vestas turbines generating 178 MW (commercial operations began in July 2017)
- **K2 Wind, ON** – 140 Siemens turbines generating 270 MW (one of Canada’s largest wind facilities)
- **Port Dover & Nanticoke Wind, ON** – 58 Vestas turbines generating 105 MW
- **Halkirk Wind, AB** – 83 Vestas turbines generating 150 MW
- **Quality Wind, BC** – 79 Vestas turbines generating 142 MW

Supporting the Communities Where We Live and Work

Capital Power is committed to being an engaged, involved and supportive neighbour. We are proud to offer an integrated and focused program of community involvement, which focuses on engaging stakeholders, promoting sustainability and addressing the needs of communities.

Contact us

We want to hear from you. Please send your feedback and input on the Whitla Wind Project to:

**Capital Power Business Development**
780-392-5344
canadadevelopment@capitalpower.com

More Project information is available at: capitalpower.com/whitla
The Whitla Wind Project (the “Project”) is a nominal 300 megawatt (“MW”) wind power facility that Capital Power is proposing to develop in two phases. The Project is located approximately 15 km south of Bow Island in the County of Forty Mile, Alberta. Phase 1 of the Project will consist of a 201.6 MW facility, that would include 56 wind turbines. In December 2017, Capital Power was awarded a contract for Phase 1 in the first round of Alberta’s Renewable Electricity Program.

Capital Power is interested in hearing from local companies that have expertise and want to offer their services in a range of areas. Company representatives will be in attendance to receive qualifications and company information and to share the requirements that Capital Power has for its contractors and employees.

Project construction is anticipated to begin in late 2018, pending regulatory approval of the project. Construction will involve four main scopes: 1) road and civil, 2) turbine foundation, 3) turbine erection, and 4) substation and associated electrical work. The specific companies managing these scopes, may require support in the following areas:

**Services**
- Accommodations and catering
- Meeting rooms and temporary office space
- Vehicle and equipment rentals
- Indoor storage
- Fuel supply
- Vehicle and equipment maintenance
- Support services for the construction offices (sanitation, security, portable restrooms)

**Technical and construction employment**
- Civil contractors
- Concrete supply and delivery
- Gravel supply and delivery
- Heavy equipment operators
- General labourers
- Safety staff

Expressions of interest can also be emailed to Canadadevelopment@capitalpower.com. Additional project information is available at www.capitalpower.com/whitla