

Highfield Solar Project Environmental Studies



As part of our due diligence, Saturn Power engaged Dillon Consulting Ltd. as our Independent Environmental Consultant. Dillon conducted an environmental study on the project site.

We studied the plants and wildlife to determine potential impacts. The site was found to have negligible impacts and was therefore deemed not a development by the Saskatchewan Ministry of Environment.

Plants

During land cover validation, it was determined that rare plant surveys were not required. All land cover inside or within 300 m of the Project Area is cultivated and does not contain suitable habitat for rare plants.

No rare plants were found within the project area.
No anticipated impacts to native or rare plants.

Soils

Soils in the Project Area were assessed during geotechnical surveys in the summer of 2019.

Primarily clay soils.
No removal of soils.
Use of cover and vegetation to prevent any soil loss.

Wildlife

Typical breeding bird community of agricultural landscapes.
No sensitive wildlife species detected in the Project Area.
No anticipated impacts to wildlife from the Project.

Land Cover

Project area consists of cropland.
No wetlands within the Project Area.
Nearest native grassland is ~300m away.
Land will be returned to previous use post-decommissioning.

Land Cover in the Project Area and 1 km surroundings was assessed using desktop information then verified in the field in June 2019.

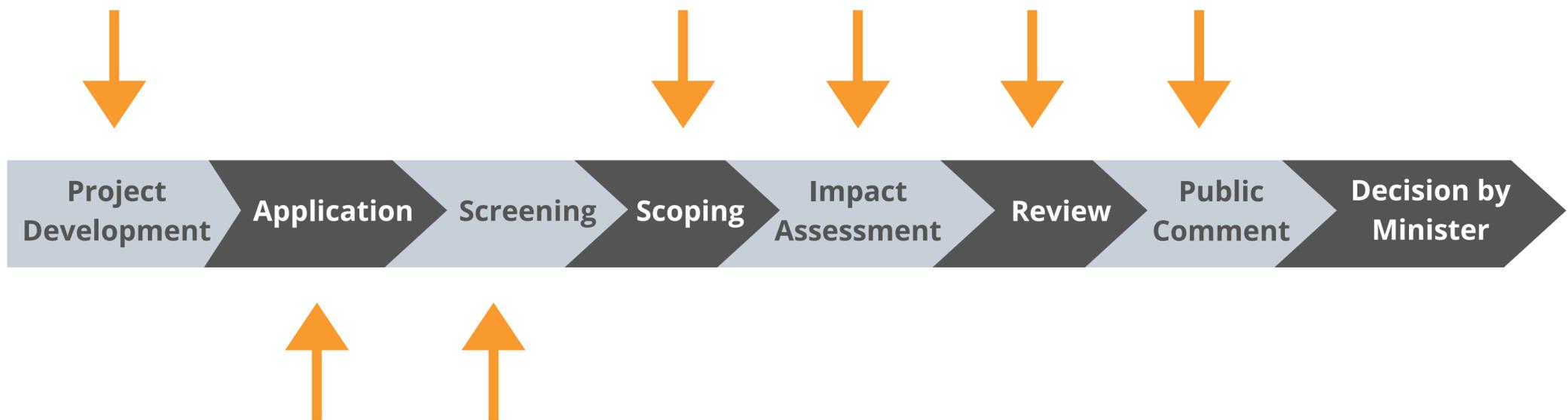
Highfield Solar Project Environmental Approval

Technical Proposal Guidelines from the Environmental Assessment Act

Project Development

- Description of the project
- Summary of environmental studies and results
- Evaluation of Project effects on the environment
- Identification of migration measures

The Highfield Solar Project Was Deemed to NOT Be A Development, Therefore These Steps Are Not Required



Application & Screening

- Technical proposal submitted to MOE's Environmental Assessment Branch (EAB)
- Evaluated to determine if the Project requires a full Environmental Assessment

If Deemed Not a "Development"

- Project was deemed **not** to be a "development" because the environmental effects are negligible
- EAB issues a determination letter, which is posted publicly
- The Project may proceed with other permitting and construction

Highfield Solar Project Footprint

The project will be located at the SouthEast corner of Township Rd 140 and Provincial Road No 628 (Range Road 3113).

The Project Footprint will be approximately 70 Acres within the northwest side of the quarter section (NW-34-13-11-W3M).

The Site is Flat land with a southern slope, good solar resource, and close to existing electrical infrastructure.

The Site will be approximately 3m/9ft away from Provincial Road No. 628, behind a row of pre-existing shrubs. It will be a minimum of 76.2m/250ft away from Township Road 140, and will be surrounded by a chain link fence, with panels standing approximately 0.92m/3ft off the ground.

There are no planned maintenance or storage buildings for this site. A small control building will be included on-site to house electrical control systems. This building is anticipated to have a footprint of approximately 16 m² on a concrete pad and will not have exterior lighting.

The Project site will be accessed via Range Road 3113, which runs adjacent to the west boundary of the Project Area and from which there is a single access point to the site.

***A complete Construction and Operation Mitigation Plan is available as part of our MOE Technical Project Proposal Submission Document.**



Saturn Power Operating Project Sites



David Brown Solar Project



Rating: 10MW AC

Technology: Fixed Axis Solar

Commercial Operation: Q1 2015

Owner: Saturn Power

Being awarded a PPA from the Ontario Power Authority (OPA), David Brown Solar Farm is a Saturn Power owned and operated facility rated at 10MW AC.

This project is currently operating and producing above initial projections. Saturn Power was responsible for full funding of the project and managed all stages of development, construction and operation.

Blind River Fixed 100 Solar Project

Rating: 500 kW AC

Technology: Fixed Tilt Solar

Commercial Operation: Q3 2018

Owner: Saturn Power & North Shore Power Group

As the developer, Saturn Power was responsible for land agreements, permits, engineering and construction of this fixed panel facility. Saturn Power owns the Fixed 300 Solar Farm in partnership with North Shore Power Group



Sprucedale FIT 4 Solar Project



Rating: 250 kW AC

Technology: 1 Axis Solar

Commercial Operation: Q1 2019

Owner: Saturn Power

Sprucedale Solar is a Saturn Power owned and operated facility. As the developer, our company was responsible for the permitting, procurement, engineering and construction of this facility. Saturn Power has developed this project as a part of Ontario's FIT 4 program.