

PROJECT SCHEDULE



TIMELINE

OCTOBER 2017	— ○ —	First landowner and stakeholder notification
NOVEMBER 2017	— ○ —	Open house
MARCH 2018	— ○ —	Personal consultation with landowners within 800m
SEPTEMBER 2018	— ○ —	Second landowner and stakeholder notification
Q4 2018	— ○ —	Power Plant Application submitted to AUC
Q4 2018	— ○ —	Development Permit Application submitted to the County
Q1 2019	— ○ —	AUC decision anticipated
Q2 2019	— ○ —	Start construction
Q4 2019	— ○ —	Commercial operations

PROJECT MILESTONE

* Project schedule is subject to change
** Consultation will continue throughout the Project's development, construction, and operation phases

ABOUT THE DEVELOPERS



MORGAN SOLAR INC.

Morgan Solar is a Canadian technology innovator and manufacturer. Morgan Solar has more than ten years of experience in light-concentration, solar tracking, and controls. The company's mission is to make solar energy the most widely used and affordable power source in the world. Morgan Solar adopts proven materials and processes from the existing commercial and industrial ecosystem to reimagine how solar energy is made and used. Morgan Solar develops innovative products to transform the energy industry by engaging leading vendors, manufacturers, and channel partners. This privately-owned company is backed by well-known energy and financial organizations such as Enbridge Inc., Iberdrola, ArcTern Ventures, the Frost Group, and other venture capital and private equity firms.



ENBRIDGE INC.

Enbridge Inc., headquartered in Calgary, Alberta, operates the world's longest crude oil and liquids transportation system. Enbridge is also a North American leader in the gathering, transportation, processing and storage of natural gas, and has an increasing involvement in power transmission. Since 2002, Enbridge has committed more than \$7.8 billion in capital to renewable energy and power transmission projects currently in operation or under construction. Enbridge's renewable energy projects (either operating or under construction) have the capacity to generate 3,639 megawatts (MW) gross of zero-emission energy (1,748 MW net). Today, Enbridge is one of the largest renewable energy companies in Canada and has a diversified portfolio of renewable energy projects. Collectively, those renewable energy projects in operation or under construction (and their 1,748 MW net generation capacity) are enough to meet the electricity needs of 696,577 homes, based on net generation figures. A North American leader in delivering energy, Enbridge has been ranked on the Global 100 Most Sustainable Corporations index for the past nine years.

CONTACT US

For more information on Morgan Solar, and the Alberta Solar One Project, you can find us here:

MORGAN SOLAR INC.

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YOUR FEEDBACK IS IMPORTANT TO US.

ABS1 is contacting landowners, residents, and occupants near the proposed Project to gather their input and address their questions. After the public consultation, we will incorporate your feedback into our application to the Alberta Utilities Commission (AUC).

NEED FOR THE PROJECT

Alberta is changing its electricity generation to include a larger percentage of renewable energy, including solar power, and has established targets to achieve by 2030. Solar-generated electricity is emissions-free and can help the province reach its goals.

PROJECT LAND

The proposed Project is located in the County of Forty Mile No. 8 (County) on 30 hectares of privately-owned land on the west half of NE-21-10-12-W4M, near the intersection of Range Road 123 and Township Road 104.



ALBERTA SOLAR ONE SOLAR POWER PROJECT

SEPTEMBER 2018 • NEWSLETTER

INTRODUCTION

Alberta Solar One Inc. (ABS1), a joint venture between Morgan Solar Inc. and Enbridge Inc., is developing a 9.5 megawatt (MW) solar power project near Burdett, Alberta. The proposed Alberta Solar One Solar Power Project (the Project) is approximately four kilometres (km) west of the hamlet of Burdett and 14 km west of the town of Bow Island.

Thank you for your continued support and interest in the proposed Project; ABS1 greatly values our relationship with the community, and we are committed to engaging and consulting with all stakeholders. This newsletter provides up-to-date information on the Project and gives us the opportunity to seek your feedback.

PROJECT UPDATES

Since the last round of consultation on October 25, 2017, ABS1 has done the following:

- finalized the Project layout;
- selected dual-axis tracking technology;
- submitted the environmental evaluation to Alberta Environment and Parks for a Renewable Energy Wildlife Referral Report;
- updated the Project schedule;
- completed a noise impact assessment;
- completed a glare analysis and visual simulations;
- completed personal consultations with stakeholders within 800 metres of the Project; and
- continued consultations with the County, including discussions on the emergency response plan.

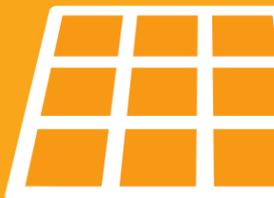
ABS1 is seeking all the necessary sign-offs from the County, Alberta Environment and Parks, and other agencies. It is continuing consultation with the residents, occupants, landowners, and other stakeholders and key organizations in the area to gather their input and address their questions. After the public consultation, ABS1 will incorporate stakeholder feedback into our application to the Alberta Utilities Commission for approval to construct and operate the power plant.

IN THIS NEWSLETTER, YOU WILL FIND:

- PROJECT UPDATES AND OTHER INFORMATION

INSERTS:

- VISUAL SIMULATIONS



THE PROJECT

During construction, the Project will require a temporary laydown area, and it may require upgrades to roads in the area. The Project will require the infrastructure outlined below.

Solar Modules: The Project will use Morgan Solar's new and innovative solar technology, SimbaX. The modules are made in Canada, and they are designed to boost energy production by concentrating sunlight onto the photovoltaic cells. Each module is 2 metres long by 1 metre wide, rated at 335 watts direct current.

Trackers: We are using Morgan Solar's dual axis Savanna trackers that allow the modules to always face the sun, maximizing energy generation. ABS1 will mount three modules on each tracker. The modules will rotate to a maximum of 60 degrees from horizontal. At night, the modules return to the horizontal orientation. Stow mode is also engaged during high wind events so that the short edge is positioned as the leading edge facing into the wind.

Piling: ABS1 will install each tracker using a pile system to support the solar modules. The pile is designed specifically for the completed on-site geotechnical studies. Piles are expected to be 4-6 metres deep, depending on location.

Inverters: The Project will use inverters to change the electricity produced by the solar modules from direct current to alternating current.

COMMUNITY BENEFITS

There are many community benefits associated with the Project, including the following:

- **Boosting the local economy** – ABS1 will endeavour to construct the Project using locally sourced materials, supplies, and labour. Workers will use local accommodations and services during the Project's development, construction, and operations.
- **Municipal tax revenues to the County** – The Project will provide ongoing tax revenue to the County without requiring municipal services, such as water or wastewater services.
- **Employment** – Where possible, ABS1 will hire local workers and skilled tradespeople during the construction phase. This work will include road construction, excavation, assembly, and for the installation of tracking equipment, modules, and materials transportation. The Project will require ongoing services during operations.
- **Clean energy** – The Project will generate emissions-free electricity throughout its life, improving air quality and lowering Alberta's carbon footprint.
- **Low visual profile** – ABS1's technology features a low profile and is no taller than a pivot irrigator.

Collector System: The Project modules will be connected through a 25-kilovolt (kV) electrical collector system. This system will deliver power from the modules to the inverters and from the inverters to the point of interconnection.

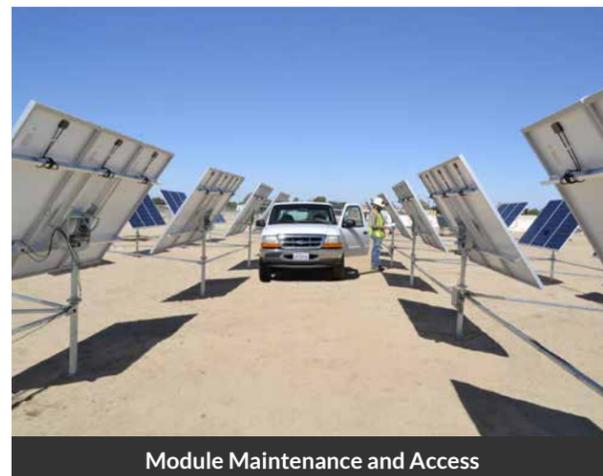
Access Roads: ABS1 will install access roads within the Project. This allows operators to access the modules for operations and maintenance activities throughout the Project's life.

Interconnection: The Project will be connected to the 25-kV distribution line, 382L, which is owned and operated by Fortis Alberta. This distribution line is then connected to the Alberta Interconnected Electric System through the Burdett 368S substation, which is owned and operated by AltaLink.

Permanent Meteorological Tower: As part of the Alberta Electric System Operator's requirements, the Project will include a 10-metre (m) permanent meteorological tower that will record wind speeds for wind loading and performance assessment.



Morgan Solar Savanna Dual-Axis Trackers



Module Maintenance and Access

STUDIES

The status of the Project studies is outlined below:

Environmental: ABS1 completed third-party baseline environmental surveys, including birds, sensitive species, habitat mapping, rare plants, wetlands, and native prairie. These survey results informed the environmental evaluation, which was provided to Alberta Environment and Parks to inform its Renewable Energy Wildlife Referral Report.

Noise: ABS1 completed a third-party noise impact assessment to ensure compliance with AUC Rule 012: Noise Control. This assessment included the inverters, transformers at the Project collector substation, and trackers. ABS1 evaluated the noise impact at residences within 1.5 km of the Project. The results of the noise impact assessment indicate that the Project noise levels are compliant at these residences.

Glare: ABS1 completed a third-party glare analysis and determined that the incidence and intensity of glare is expected to be minimal. The third-party completed the assessment at nearby roads, residences, and the railway.

Visual: ABS1 completed third-party visual simulations from five locations near the Project; these simulations are enclosed in this stakeholder information package.



FREQUENTLY ASKED QUESTIONS

Q Will the facility generate noise?

A Patching Associates Acoustical Engineering Ltd. conducted a Noise Impact Assessment to demonstrate compliance with AUC Rule 012: Noise Control. The Project is located several hundred metres from the nearest inhabited residence and will operate under the threshold set by AUC Rule 012. The Project will not operate during nighttime hours. ABS1 will schedule construction activity to reduce disruption to nearby residents.

Q What will be done to prevent weeds from growing on site and to prevent the potential for contaminating adjacent farmland?

A ABS1 will manage weeds through mechanical means and with selective herbicide applications, as necessary. ABS1 will revegetate the site in consultation with local farmers, using a seed mix that will not impact nearby agricultural activities. ABS1 will remove any noxious weeds found on the site or will control them without delay, as required by the County.

Q How will storm water runoff be managed?

A ABS1 will work with local hydrology experts to develop a storm water management plan that will be implemented to ensure water flows are maintained to levels prior to the facility's installation. ABS1 will submit the storm water management plan to the County for approval. After construction, the majority of the Project area will be revegetated.

Q What will the solar facility look like after completion? Will there be glare concerns?

A Visual simulations of the solar facility from residences and rural roads are provided for review along with this brochure. Morgan Solar's tracking system is low compared to other structures on the landscape. The materials used in the solar facility have low reflectivity. Solas Energy Consulting Inc. performed a glare analysis to demonstrate that the Project will have minimal glare impacts on the surrounding area.

Q What will happen at the end of the Project's lifespan? Will the Project site be returned to previous condition? What will be done with the equipment?

A After its lifespan (approximately 20 years), the solar facility can be repowered by replacing equipment with new technology or decommissioned. ABS1 will salvage and recycle the modules, trackers, piling, and other equipment. All infrastructure below 1.5 m underground will remain to prevent further disruption, and decommissioning will be completed to the regulatory requirements at the end of the Project's life. The land will have the potential to be returned to agricultural use following decommissioning.