

# Brooks Solar II Project

Photo: Elemental Energy's Brooks Solar Project

You are receiving this package because you live on, or own land near, the proposed Brooks II Solar Project and we want your input!

## About the Project

The proposed Brooks Solar II Project (the "Project") is an approximately 28 megawatt (MW) solar farm to be located adjacent to the 15MW Brooks Solar facility on approximately 200 acres of private land in the County of Newell.

The Project is located just outside of the City of Brooks, between Highway 16 and RR 142, south of Range Road 191 and north of RR 190.

The Project is estimated to generate enough **clean renewable electricity to power approximately 6,000 homes** and the total capital cost is estimated to be \$50M. Approximately **a third of the total capital expenditure will be spent locally.**

The Project is expected to start construction in either 2019 or 2020 (date TBD). Once constructed the Project is expected operate for 30 years; after which time the Project will be retrofitted with new equipment or decommissioned.

## About Elemental Energy

Elemental Energy is the land and project owner for the operating Brooks Solar facility – Western Canada's first utility scale solar project – and is developing the proposed Brooks Solar II project. Elemental is a private, family-owned and operated, Canadian company headquartered in Vancouver, BC. Founded in 2007, Elemental is a renewable energy developer, investor, and operator focused on distributed and utility scale projects in Canada and the United States.

## Public Open House

We are pleased to invite you to meet our team, learn more about the Project and provide your feedback at our Public Open House

**TUESDAY, SEPTEMBER 18<sup>TH</sup>**

**4:00 pm to 8:00 pm**

**Brooks Solar Facility**

**190041 Range Road 143, Map Attached**

## Meet us in person!

If you are unable to attend our Public Open House and you would like learn more about the Project, please email [info@elementalenergy.ca](mailto:info@elementalenergy.ca) to set-up a personal consultation meeting on the following dates:

**THURSDAY, SEPTEMBER 6<sup>TH</sup>**

**10:00 am to 2:00 pm**

**OR**

**WEDNESDAY, SEPTEMBER 12<sup>TH</sup>**

**1:00pm to 5:00pm**

## What's Included

*About the Project*  
*Anticipated Project Timeline*  
*Community Benefits*  
*Key Project Details*  
*Location and Map*  
*AUC Approval Process*  
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## Community Benefits

**Employment:** Projected to create 100+ jobs during construction. Over 60% of the construction labour on Brooks Solar was sourced from Brooks/County of Newell.

**Tax Revenue:** The Project's substantial tax revenue will support municipal services and infrastructure for decades to come.

**Economic Boost:** Construction and operations rely on local supply chain and services. Leading by example, construction of Brooks Solar contributed over \$4.5M of direct local economic activity within the County of Newell and \$7.0M within Alberta.

**Local Charity Support:** Elemental Energy is committed to supporting various local community organizations and initiatives.

**Energy Diversification:** Alberta is rich in both renewable and non-renewable natural resources. Diversification of Alberta's energy resources helps to ensure consistent and sustainable energy supply for consumers.

## Key Project Details

**Racking:** Solar panels are typically held by either fixed-tilt or single-axis tracking racking systems. Brooks Solar uses a fixed-tilt racking system; the racking selection for Brooks Solar II has not yet been determined.

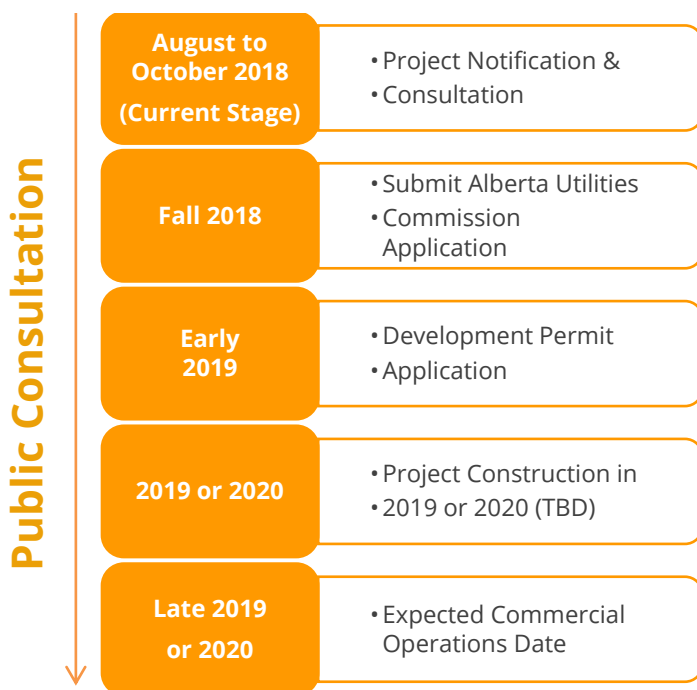
**Solar Panels:** Solar panels generate electricity when exposed to the sun's irradiation. While the final design for Brooks Solar II is not yet complete, Elemental will source panels from a Tier 1 manufacturer.

**Inverter:** The inverters convert the electricity produced by the solar panels from direct current to alternating current. Alternating current allows the electricity to be transported to and used in your home or business.

**Access Roads:** Gravel roads are constructed within the project boundary to facilitate construction and operations/maintenance of the project.

**Interconnection:** The Project will connect directly to FortisAlberta's electrical grid, providing energy to neighbouring businesses, residences, and farming operations.

## Estimated Project Timeline



## Community Involvement

Elemental strives to build lasting partnerships with the communities in which we work. One way we do this is through broad community consultation. Over the next several weeks, Elemental will be meeting and consulting with the community and businesses surrounding the Brooks Solar II project to provide information about the Project and seek feedback.

After this initial consultation is complete, we will file an application with the AUC. The AUC will review the application through a process in which stakeholders can participate.



## Project Impacts

**Noise:** Solar panels do not generate noise and the minimal noise generated by the inverters and transformers is nearly imperceptible outside project limits. A noise impact assessment is currently being completed for Brooks Solar II.

No noise complaints have been received to date from the Brooks Solar project which has been in operation since December, 2017.

**Environment:** A third-party environmental review has been performed which found that the Project is anticipated to have no adverse environmental effects.

**Visual:** The proposed Project will be a utility scale solar farm that will look similar to the Brooks Solar facility.

## Approval Process

Alberta's electrical system is regulated by the Alberta Utilities Commission (AUC), an independent agency of the province that ensures fair and responsible delivery of utility services. Before Elemental can begin construction of the proposed project, the AUC must approve the facility application. For more information on about how you can participate in the AUC approval process, please refer to the enclosed AUC brochure *Public Involvement in a Proposed Utility Development*.

## Next Steps – Public Consultation

As Elemental moves through the regulatory and permitting process, we are committed to working with all landowners and stakeholders to maintain a strong relationship with the community. We encourage you to provide feedback and we are committed to responding to all questions and concerns in a timely manner.

## Contact Us

Your comments and feedback are important to us. Please contact us if you would like to provide your feedback on and/or learn more about this project and/or set up a personal consultation meeting.

**Phone Number:** 1-855-477-7419

**Email Address:** [info@elementalenergy.ca](mailto:info@elementalenergy.ca)

**Visit us online:** <http://elementalenergy.ca/brooks-solar-ii/>

## Environmental Studies and Assessments

As part of the regulatory process and government review process, solar projects require various environmental studies and have reporting requirements. To ensure that we meet these requirements and design the Project layout, Elemental is conducting a number of desktop and field studies:

**Noise:** A Noise Impact Assessment will be completed to ensure the Project complies with AUC Rule 12: Noise Control

**Environment:** In accordance with Alberta Environment and Parks (AEP) permitting guidelines, a third-party environmental assessment has been performed and will be submitted to AEP for review.

**Historical Resources:** A Historic Resources Impact Assessment will be completed to ensure the Project complies with Alberta's Historical Resources Act.

