

Welcome to our Open House

Please sign in at the registration desk then feel free to check out our display boards and say hello.

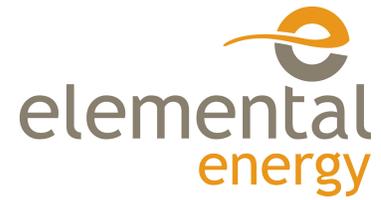


Our team is here to provide information about the project, listen to your feedback and answer your questions.

Thank you for attending!

Investing in the power of the elements

Chappice Lake Solar



Project Description

Location: Located on the on approximately 160 acres of private land north of Medicine Hat. The parcel (NE 35-14-04 W4M) is between Highway 43 and Range Road 43, south of Township Road 150.

Scope: We plan to install approximately 45,000 solar panels, which have the capacity to generate electricity to power over 3,000 homes.

Project Infrastructure: Solar photovoltaic panels, panel racking system, electrical inverters, internal access roads and other related electrical equipment.

Interconnection: The project will connect to local Fortis Alberta electrical distribution lines from the Chappice Lake 649S substation through overhead cables.

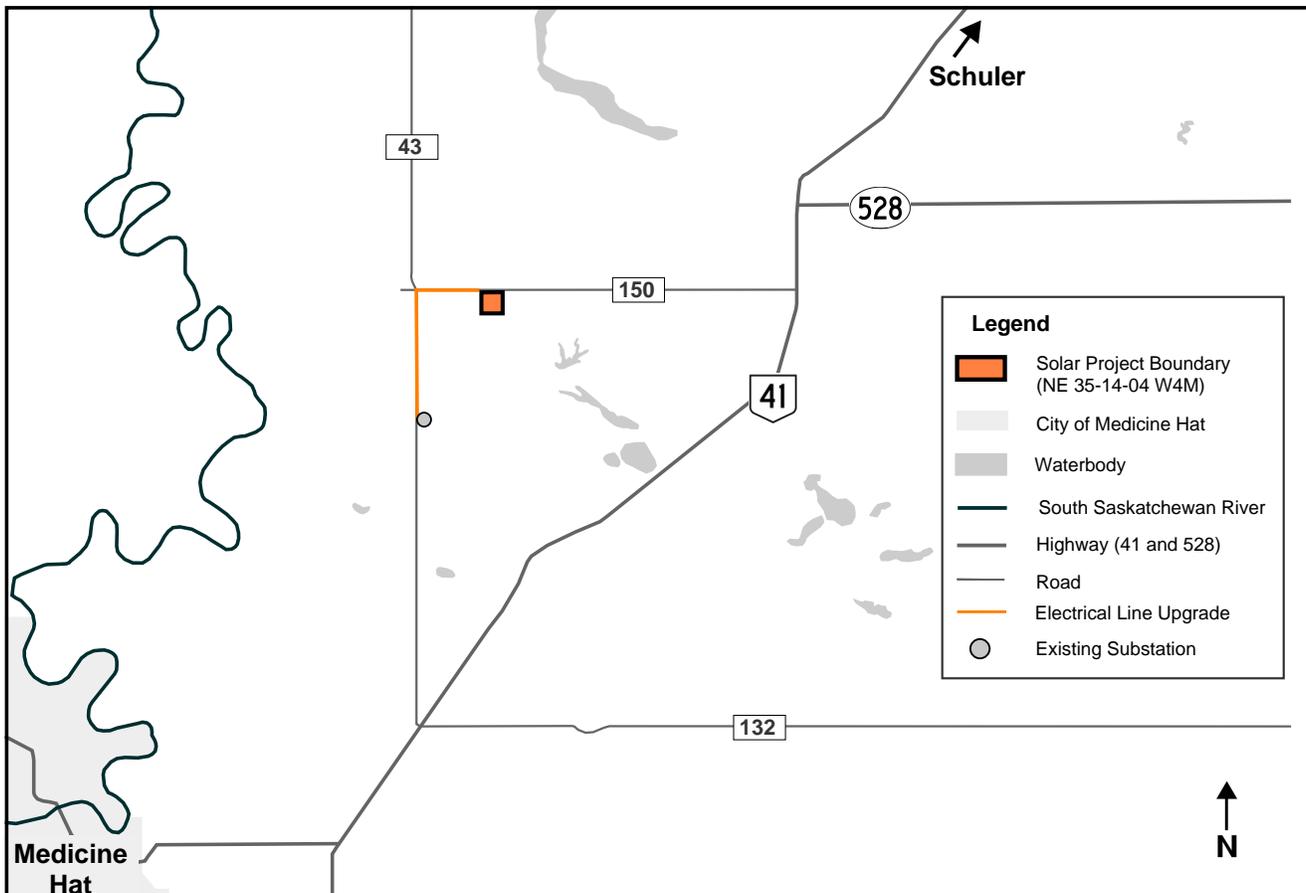
Capital Cost: Estimated to be ~ \$25 million.

Developer: Elemental Energy

Project Name: Chappice Lake Solar

Host Municipality: Cypress County

Project Type: Solar Power



Investing in the power of the elements

Chappice Lake Solar



About Us

Vancouver-based private renewable energy development company with over 100MW of wind, solar, and hydro projects in construction/operations, and over 700MW of project in development.

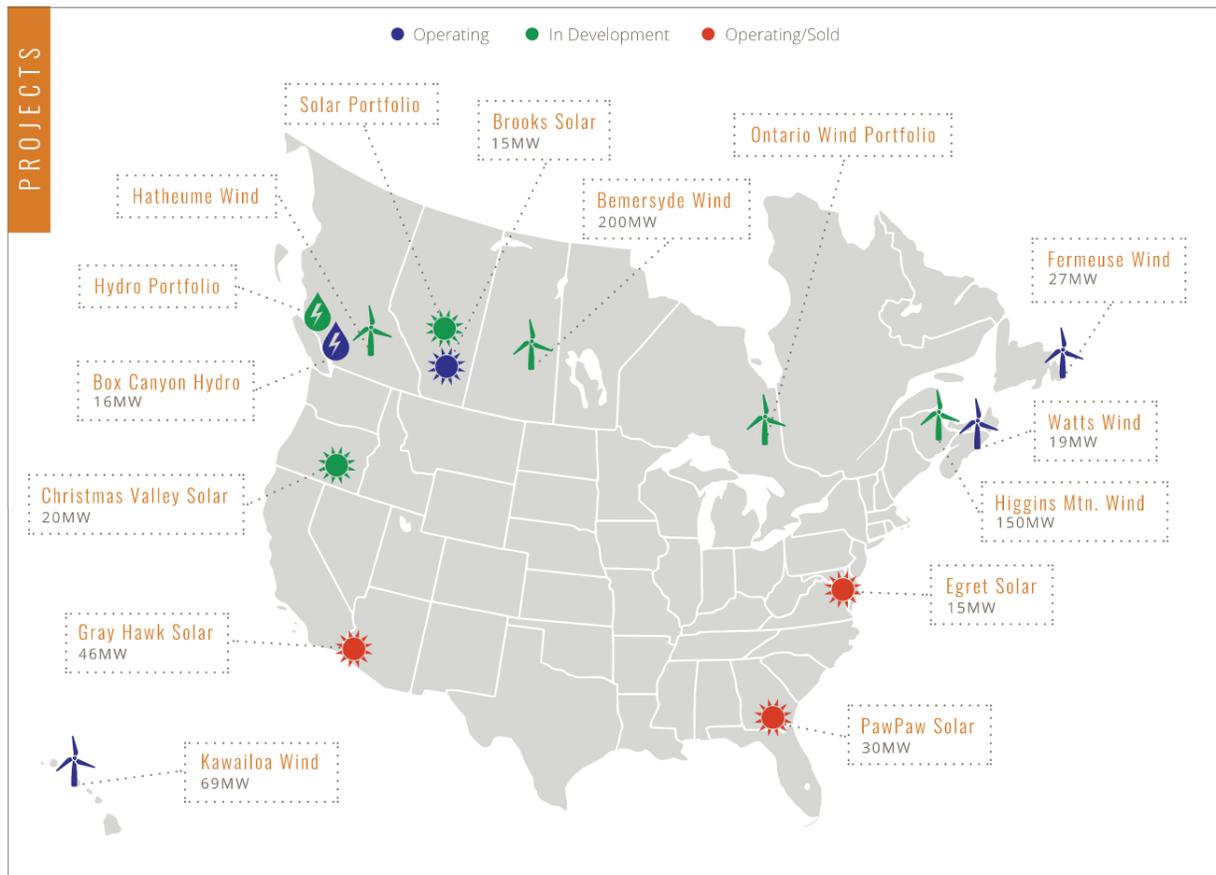
Our Vision

We are committed to projects that generate environmental benefits for the planet, positive social impacts for the communities in which we work, and long-term financial returns. From greenfield to fully operational, we develop, fund, and acquire renewable energy projects at various stages of development.

Our Team

Elemental is an entrepreneurial team of individuals with diverse backgrounds in energy, finance, and project development. The team brings a track record of executing complex transactions, building successful businesses, and developing lasting partnerships.

Our Projects:



Chappice Lake Solar

Community Benefits

Employment: The Project is expected to create over 50 jobs during construction. Over 60% of the construction labour on our operating Brooks Solar project was sourced from the City of Brooks and the County of Newell.

Contracting Opportunities: Construction and operations will rely on local supply chain and services, with job opportunities such as surveying, civil, electrical, and mechanical construction, and equipment transportation. Construction of Elemental's 15MW Brooks Solar project contributed over \$4.5 million of direct local economic activity within the County of Newell and \$7.0 million within Alberta.

Local Investment: Local businesses will benefit from increased spending on goods and services during the operations and construction phases.

Tax Revenue: The Project's substantial tax revenue will support municipal services and infrastructure for decades to come, without requiring municipal services such as water and waste.

Local Support: Elemental Energy is committed to supporting various local community organizations and initiatives that bring positive impacts to nearby communities.



Investing in the power of the elements

Why Here?

There are many factors to consider in selecting sites for solar projects. The Project's parcel was chosen for the following reasons:

Abundant Solar Resource...with approximately 330 days of sun per year Medicine Hat and Shuler are among the sunniest places in Canada.

Close proximity to existing power lines that have the capability of adding new generation.

Existing infrastructure that will reduce environmental impacts in the construction phase.

Suitable Topography and Minimal Impacts...the Project is situated on relatively flat, previously cultivated land, outside of environmentally sensitive areas.

Existing load...the commercial electricity consumers in the area – such as large natural gas compressors – require electricity that is currently provided from Alberta's transmission system. By producing electricity close to these loads, the Project helps to reduce the amount of power used from the transmission system and provides added resiliency to Alberta's grid.

Why Now?

Competitive Energy: Solar is now becoming cost competitive with other forms of energy generation, Cypress County is well positioned to support the transition to a lower-carbon diversified economy that will lead to increased community health and well-being.

Experienced: Our team constructed and have been successfully operating Brooks Solar – Alberta's first utility scale solar project - since 2017; we are currently constructing the 22MW Innisfail Solar project. We have the experience and capital required to responsibly and diligently construct, own and operate the Chappice Lake Solar project.

Why Solar?

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

Technology Development: As solar technology continues to advance it is quickly becoming one of the cheapest sources of energy; solar energy prices have already reduced by more than 80% in the last decade.

Clean Power: Solar energy reduces the dependence on other forms of electricity generation, like coal, that contribute to greenhouse gas emissions. Solar also produces energy when demand is at its highest, meaning power is generating when it is needed most.

Clean Air: Solar energy emits no greenhouse gas during the production of electricity.

Water Conservation: Solar panels do not use water to produce electricity.



What's Next?

Anticipated Project Schedule



Public Consultation

Elemental recognizes that support of local landowners and community is key to a successful project, which is why we work diligently to make sure we listen and incorporate feedback. We strive to ensure that project infrastructure fits with current and future land use.

Working with the Community

Over the next several weeks, Elemental will be meeting and consulting with the community surrounding the Chappice Lake Solar 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. If you would like more information on how to get involved, please contact us at info@elementalenergy.ca.

For more information on how you can participate in the AUC approval process, please pick up an AUC brochure, *Public Involvement in a Proposed Utility Development*, at the registration desk.

Regulatory Approval

We are currently engaging with various agencies at all levels of government. 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. Key regulatory stakeholders include:



Studies Completed and Underway

Environmental Studies: We have completed environmental surveys and submitted the Project's environmental evaluation report to Alberta Environment and Parks for review. The environmental report, which was prepared by a Professional Biologist, concluded that the Project is anticipated to present minimal to no adverse effects on the local environment. The Project's environmental report will also be submitted to the AUC for review.

Grid Connection: Initial grid studies with FortisAlberta are complete and Fortis has confirmed the Project can connect to their distribution system. Elemental, Fortis, AltaLink and the AESO are meeting regularly to advance additional grid connection studies/reports.

Noise Assessment: A Noise Impact Assessment for the Project is currently being performed in accordance with AUC regulatory requirements. Initial results from the assessment found that the minimal noise generated from the Project's inverters/transformers will not be perceptible from the surrounding residences.

Thank you for attending!

We are committed to ongoing dialogue with our stakeholders. Please take a moment to complete a “**Feedback Form**” to provide your thoughts and feedback on the proposed Project.

Please pick up a “**Frequently Asked Questions**” sheet from the registration desk. We created this document based on common questions we have heard working with stakeholders on our portfolio of projects.

If you have any outstanding questions or concerns, we invite you to speak to one of our representatives today. If you prefer to get in touch us later, our contact information is:

Tel.: 1-855-477-7419

Email: info@elementalenergy.ca

Web: [http://elementalenergy.ca/portfolio /chappice-lake-solar/](http://elementalenergy.ca/portfolio/chappice-lake-solar/)

