



Sunrise Solar Project Community Open House

Please **sign in at the registration desk** and feel free to check out our project posters and meet our team.

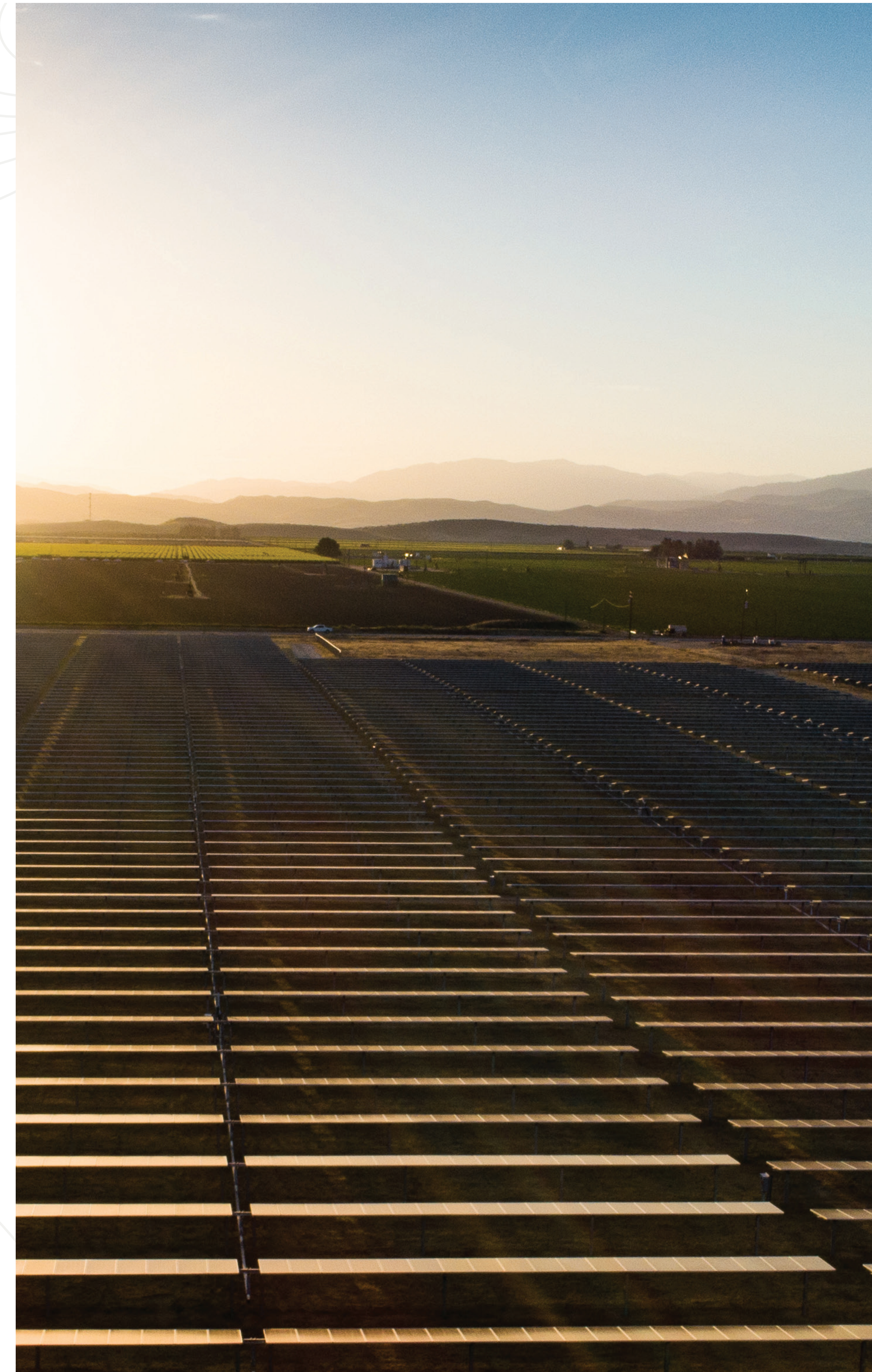
We are here to answer your questions and listen to your feedback! Thank you for attending.

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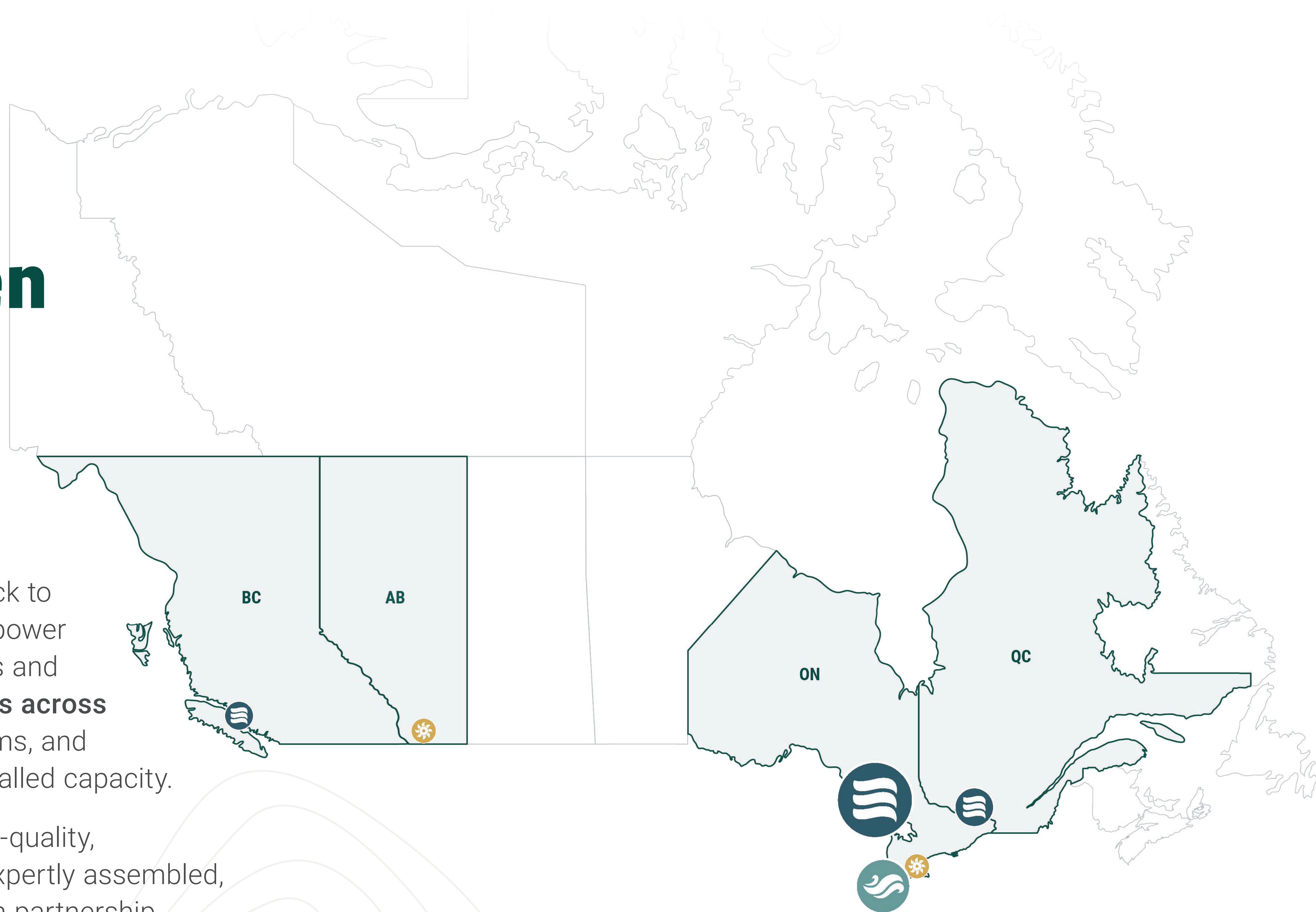


About Evolugen

Evolugen (an affiliate of **Brookfield Renewable**, a publicly traded company founded in Canada) is advancing the **Sunrise Solar Project**.

Evolugen's Canadian heritage dates back to the 1970s, when we operated 12 hydropower facilities in Ontario. Evolugen now owns and operates **61 renewable energy facilities across Canada**, including 33 hydro, 4 wind farms, and 24 solar sites, totaling 1,912 MW of installed capacity.

Reflecting our values, we focus on high-quality, low-carbon assets, ensuring they are expertly assembled, sustainably operated and maintained, in partnership with local communities.



Project Introduction

The Sunrise Solar Project has been under development since 2021 and will mark the first utility-scale solar project constructed in the Municipal District (M.D.) of Pincher Creek.

Over the last year, we have completed environmental studies in the area, submitted an interconnection application and consulted with local landowners, as well as the M.D. of Pincher Creek and Town of Pincher Creek.

In addition to the Sunrise Project in Alberta, Evolgen is also constructing the **Spring Coulee Solar Project** located in nearby Cardston County. Construction will commence in May 2023 and the facility will be operational by early 2024.



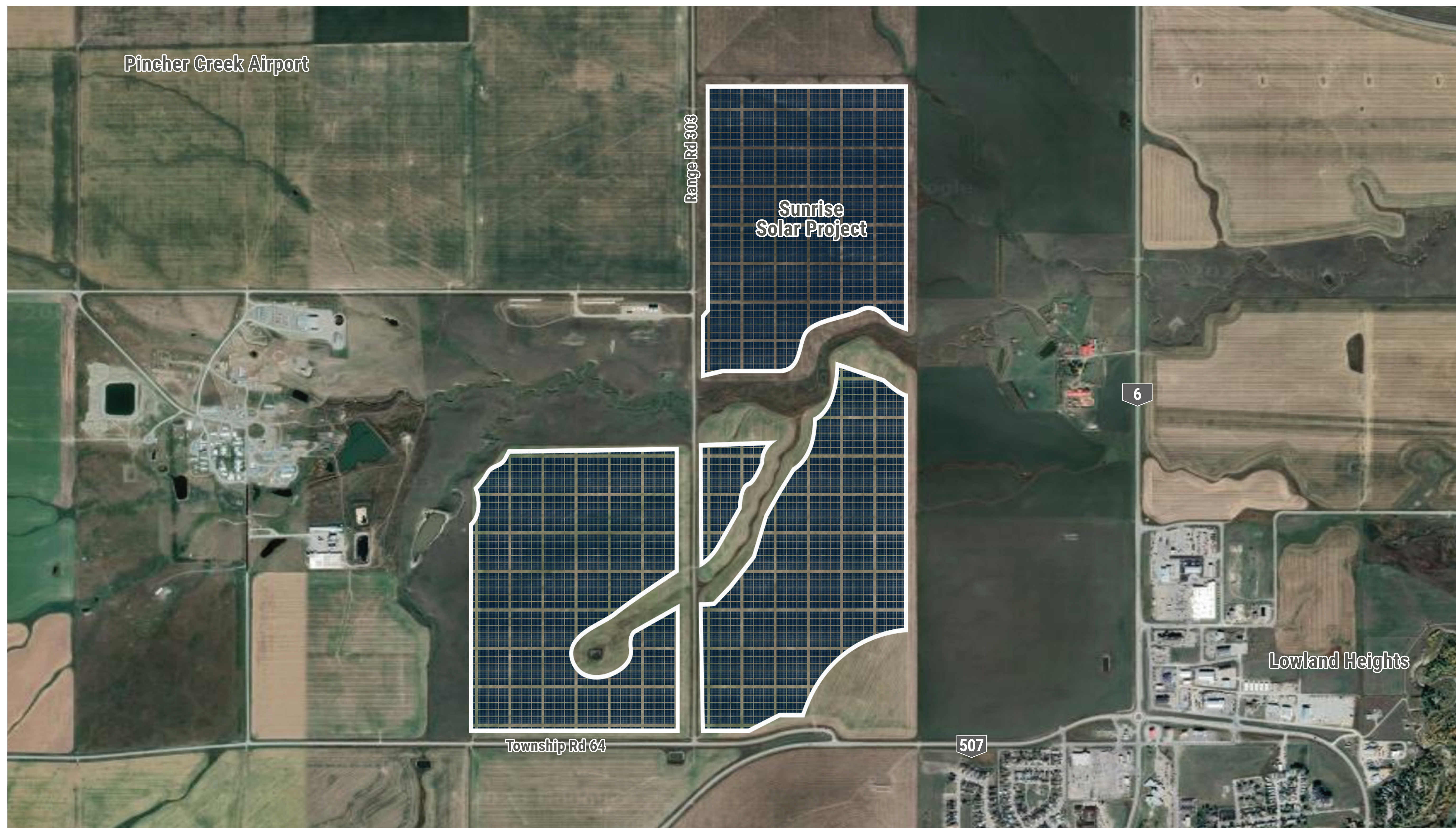
A large, gold-colored letter "D" graphic is positioned on the left side of the page, partially overlapping the "Project Details" header.

Project Details

The Sunrise Solar Project will have an installed capacity of 75 MWac/98 MWdc*, enough to power ~28,550 Alberta homes per year.

- ✔ The Project is located north-west of the town of **Pincher Creek** on approximately **575 acres** of cultivated privately owned land along Range Road 303, north of Township Road 64 and south of Township Road 70.
- ✔ The Project is comprised of more than **210,000 bi-facial photovoltaic panels** installed on single-axis trackers, panel racking systems, internal access roads, cabling, electrical inverters, a collector substation, and other related electrical equipment.
- ✔ To deliver electricity generated by the Project to the Alberta electricity grid, a short transmission line will be built from the project collector substation to the **138 kV transmission line** running east-west between quarter sections SW-34-6-30-W4M and NW-34-6-20-W4M.
- ✔ The team is engaging with the transmission line owner, **AltaLink**, and the **Alberta Electric System Operator (AESO)** to advance interconnection studies and ensure the facility is designed and operated safely.

*Direct Current (dc): electricity flows in one direction with a constant voltage. Alternating Current (ac): voltage periodically fluctuates between positive and negative and the current flows forward and backward. Subject to change



Preliminary layout, subject to change.

1 KM

Community and Economic Benefits

Evolugen is committed to building trust with local stakeholders and engaging proactively with communities to ensure their interests are appropriately considered in our decision-making. Our facilities have contributed to the prosperity of local communities, and we recognize the importance of maintaining this contribution.

The Project will provide clean energy, create jobs, drive innovation, and strengthen the local economy by:



GENERATING EMPLOYMENT

Creating more than 100 new construction jobs, and long-term operational employment opportunities.



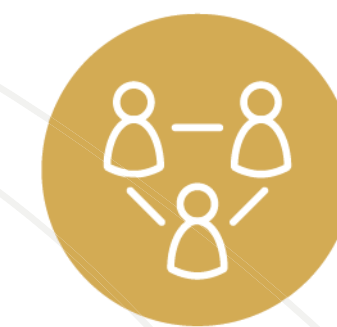
CONTRACTING LOCALLY

Providing contract opportunities for local businesses and suppliers, including materials, supplies, services, accommodations, and more.



PROVIDING LONG-TERM INVESTMENT

Injecting approximately \$140 Million into the economy in addition to making direct property tax payments to the M.D. of Pincher Creek for the life of the project (30-35 years).



SUPPORTING THE COMMUNITY

In addition to working cooperatively on environment, health, safety and emergency response, we assist with local projects, and work closely with local partners to make a positive impact that is aligned with both the needs of local stakeholders and our company's values.

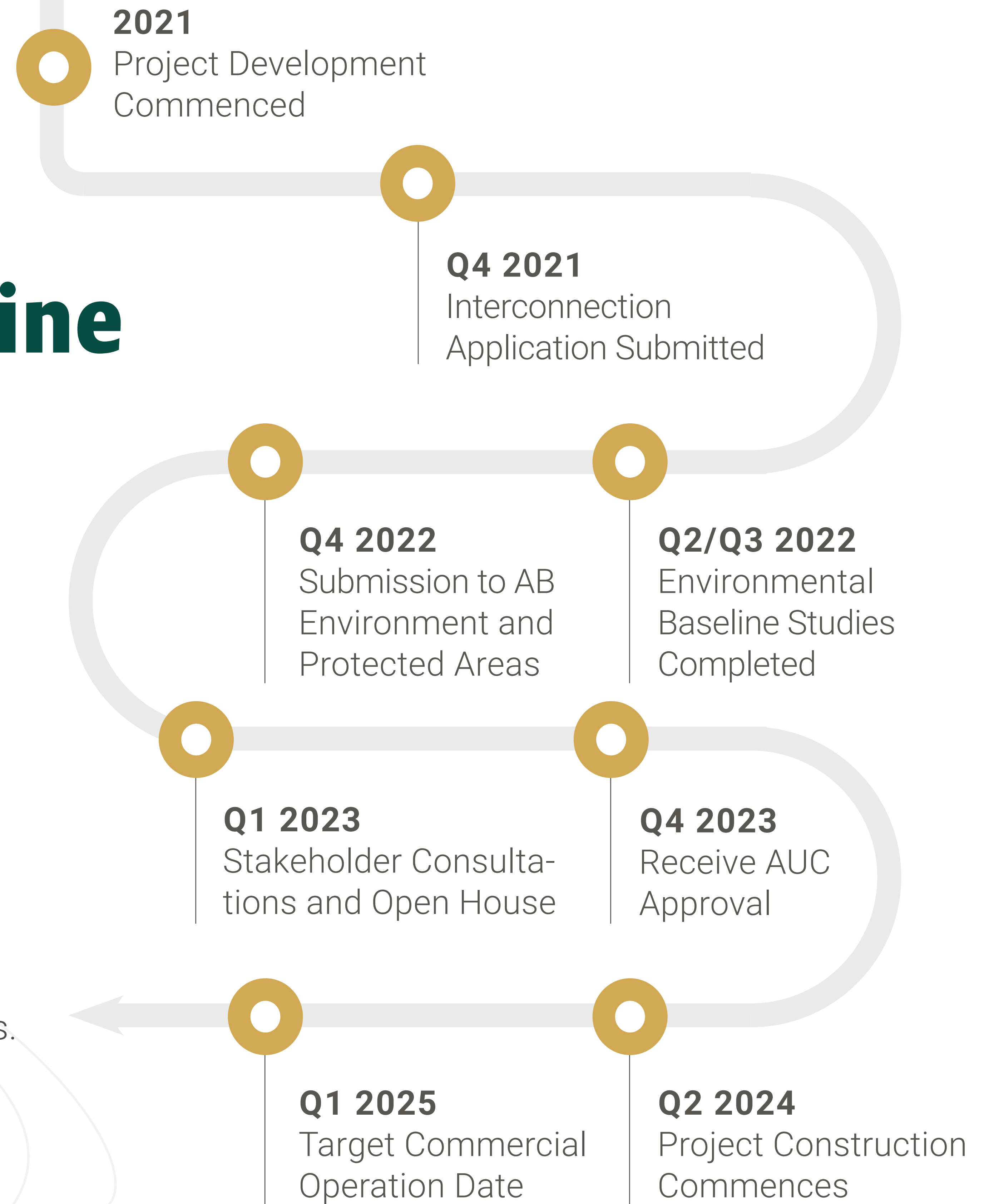
Project Lifecycle and Timeline

The lifecycle of a solar energy project is broken down into four main phases and typically has a **lifespan of ~30-35 years**.

- | | |
|---|---|
| <p>1 Development
(Current Phase)</p> | <p>3 Operations
& Maintenance</p> |
| <p>2 Construction
& Installation</p> | <p>4 Repowering or
Decommissioning</p> |

At the end of the Project's life, it will either be repowered (retrofitted and modernized) or fully decommissioned. A **Decommissioning** and **Reclamation Plan** will be prepared prior to construction that incorporates the feedback of the landowner and meets the requirements of the M.D. of Pincher Creek and the Alberta Environment and Protected Areas' Conservation and Reclamation Directive for Renewable Energy Operations.

A **reclamation fund** will be established once construction is complete and the Project enters the operations phase. Annual contributions to the fund will be made for the life of the Project to ensure sufficient funds are available when the Project is decommissioned.

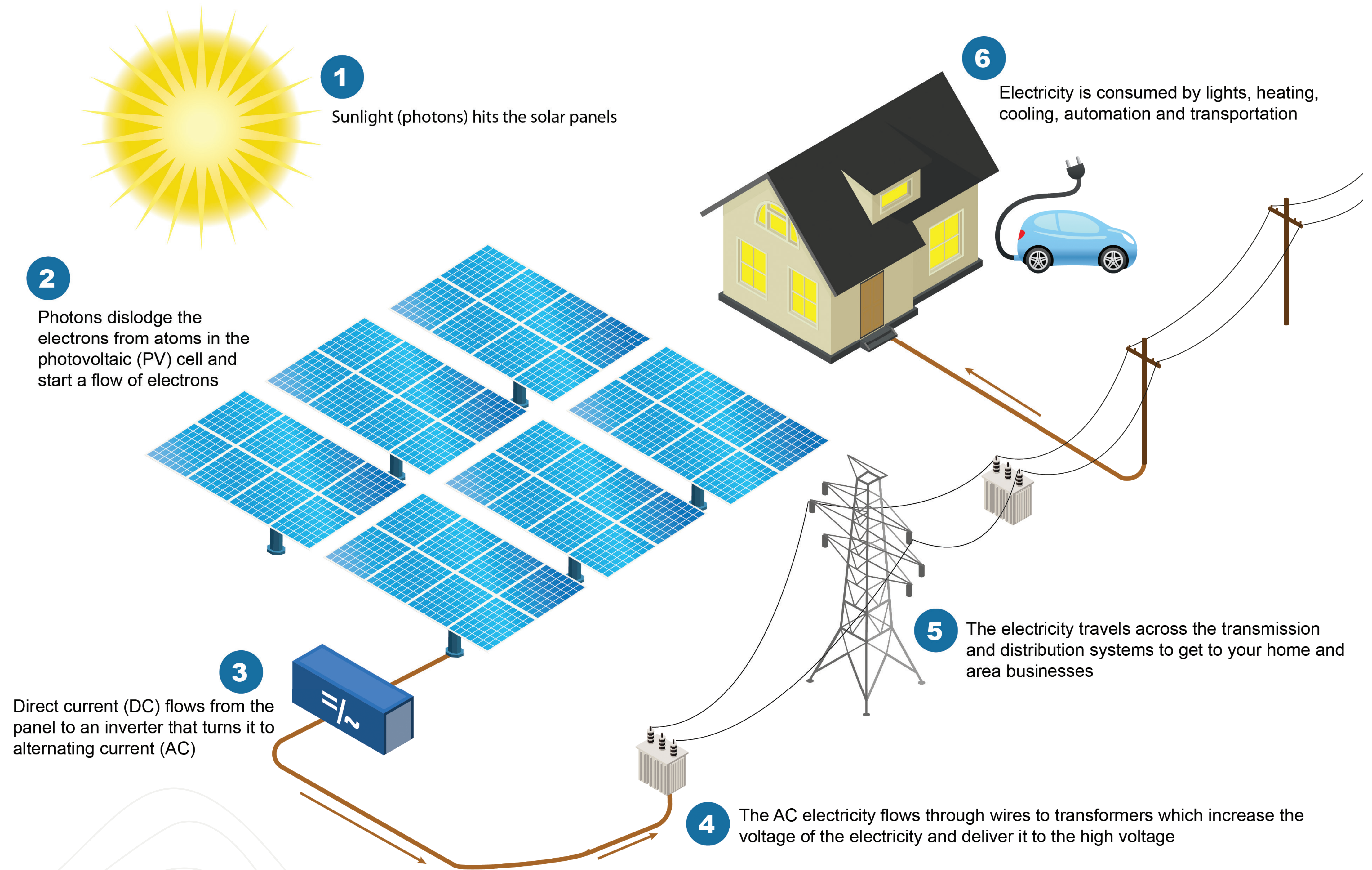


*The timeline is subject to change and updates will be communicated to stakeholders.

How Solar Works

Solar energy is a well-established technology in Alberta and Canada, with over 43,000¹ solar (PV) installations across the country.

¹ Source: Canadian Renewable Energy Association



Credit: Hecate Energy

Regulatory and Environmental Considerations

Our team works in close consultation with government agencies and key stakeholders to site, build and operate our facilities in an environmentally responsible manner



We completed environmental baseline studies in 2022 and submitted an application for a Referral Report to **Alberta Environment and Protected Areas – Fish and Wildlife Stewardship (AEPA-FWS)** in late 2022.

AEPA-FWS reviewed the Project in March 2023 and determined that the risk to wildlife habitat, breeding and key features for species at risk is low. The decision was based on the Project's location, implementation of setbacks and siting to avoid areas of higher quality habitat.



The **Alberta Utilities Commission (AUC)** is an independent agency that regulates Alberta's electrical system and ensures customers receive safe and reliable service at reasonable rates.

AUC approval is required for the construction, operation and maintenance, and decommissioning of power plants in Alberta. The AUC must approve a facility application prior to commencing construction of the Sunrise Solar Project, which we anticipate filing in Q2 2023 and receiving approval in Q4 2023.



The following environmental and technical studies are underway to support our application for a Power Plant Approval to the AUC in Q2 2023.

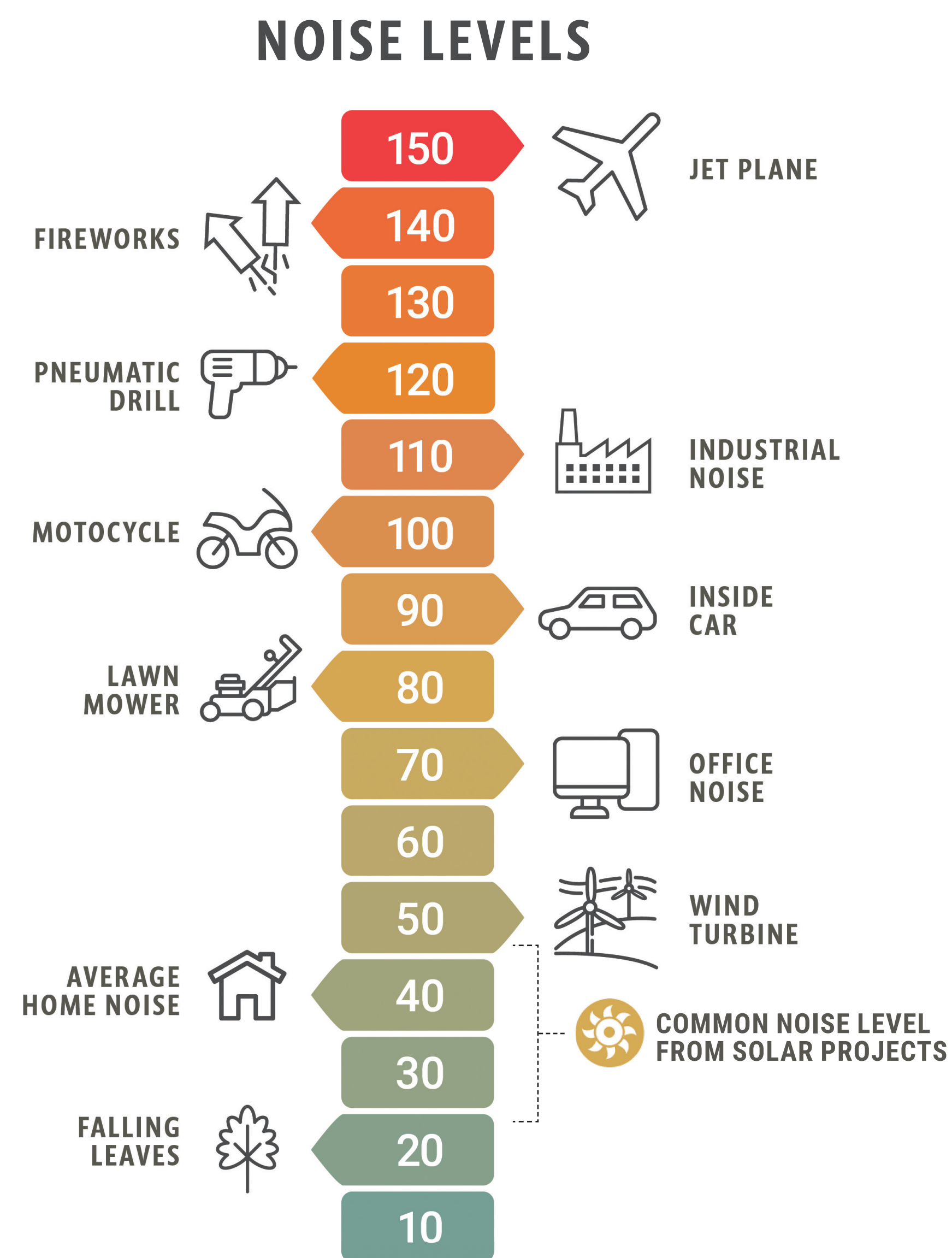
- ✔ Conservation and Reclamation Plan
- ✔ Environmental Protection Plan
- ✔ Environmental Evaluation
- ✔ Weed Management Plan
- ✔ Stormwater Management Plan
- ✔ Noise Impact Assessment
- ✔ Glint and Glare Assessment

The Project lands are currently zoned as "Urban Fringe -UF" and we are working with the **M.D. of Pincher Creek** to rezone this area for industrial use. We will also require a Development Permit from the M.D. of Pincher Creek prior to construction of the facility.

Stakeholder Considerations

NOISE

- ✓ All solar energy projects must comply with AUC Rule 012: Noise Control which sets out acceptable noise levels, acceptable means to measure and calculate noise levels and a process to evaluate noise complaints related to a regulated facility, including solar projects.
- ✓ A Noise Impact Assessment is underway to assess potential noise impact to dwellings within 1.5 km of the Project and ensure the Project meets Rule 012.
- ✓ Disturbance from Project-related noise will occur primarily during the Construction Phase. To minimize impacts (expected to last 6 to 8 months), a mitigation plan will be deployed.



GLINT & GLARE

- ✓ A Solar Glint and Glare Hazard Analysis is underway to assess the potential for glare to residences and transportation routes within 800 metres of the Project and aerodromes within 4 km of the Project.
- ✓ The purpose of solar panels is to absorb as much sunlight as possible to produce energy efficiently, so the panels are designed to be as minimally reflective as possible and typically have an anti-reflective coating.
- ✓ The Project is planned to have solar modules on single-axis trackers that track the sun from east to west throughout the day reducing the intensity and duration of glare experienced at fixed locations such as residences.

Stakeholder Considerations

TRAFFIC

- ✔ There will be increased traffic during construction of the Project during normal commuting times, as workers, transport vehicles, and construction equipment mobilize.
- ✔ A Traffic Accommodation Plan will be implemented to ensure provisions are made to safely accommodate the travelling public along Highway 6 and Highway 507.
- ✔ Designated parking areas will be established for employees and contractors within or adjacent to the Project area during construction.
- ✔ Once the solar farm is in operation, the only traffic directly associated with the site will be light in nature from Operation and Maintenance employees.

DUST

With the Town of Pincher Creek and the M.D. of Pincher Creek, we will ensure dust mitigation is in place for minimal impact.

FIRE RESPONSE PLAN

A Project-specific Emergency Response Plan will be developed in consultation with the Town of Pincher Creek and the M.D. of Pincher Creek to ensure proactive and collaborative fire and emergency planning.

SAFETY

Safety is our top priority. The Project will be surrounded by a security fence and entrance gates will be locked. In addition, the area will be monitored by security cameras, which will be installed prior to operation.

WATER & SOIL RESOURCES

- ✔ The Project does not require access to water for day-to-day operations.
- ✔ The Project will abide by the Weed Management Act.
- ✔ To properly manage soil, weeds and vegetation, a project-specific Conservation and Reclamation Plan will be developed and will include a detailed pre-disturbance baseline survey and periodic site assessments to ensure reclamation is on track.