# About Neoen

- Neoen is a leading global developer of exclusively renewable energy with more than 10 gigawatts (GW) of capacity in operation or under construction across four continents

- More than 1 GW of secured capacity in Canada, including Ontario's largest planned solar farm, Dunns Valley Solar, and Saskatchewan's largest planned solar farm, Mino Giizis Solar Energy Facility

- Brookfield Renewable Holdings acquired Neoen in 2025







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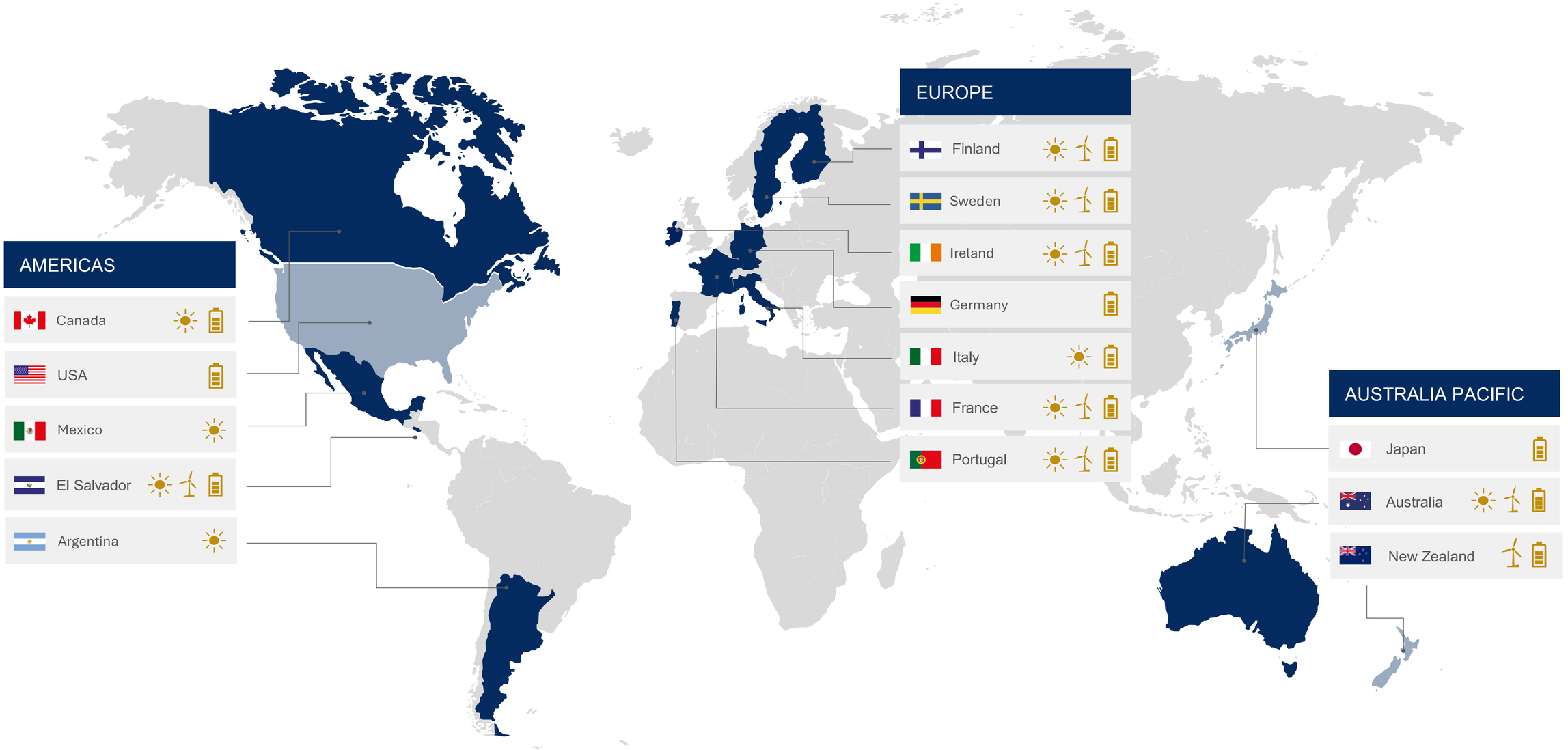
# Neoen Global

## More than 200 assets worldwide.




Countries with assets in operation or under construction

Additional countries with projects in development

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# Neoen Canada

## More than 1 GW of secured capacity in Canada

**Offices**
Toronto & Calgary

**Solar**
957 MWp*

**Battery Storage**
1,218 MW*




### Alberta

**Fox Coulee Solar,** Starland County
(93 MWp / 75 MWac)

**Sweetgrass Solar w/ Storage,** MD Willow Creek
(389 MWp + 150 MW / 300MWh)

**Jumbo Battery,** MD Willow Creek
(218 MW / 436 MWh)

**Valley Edge Battery,** Red Deer County
(250 MW / 500 MWh)

### Ontario

**Neoen Battery,** Bruce County
(400 MW / 1,600 MWh)

**Dunns Valley Solar,** Algoma District
(253 MWp / 200 MWac)

**Paradis Bay Solar,** Timiskaming District
(65 MWp / 50 MWac)

**Eagle Lake Power Reserve,** Dryden
(200 MW / 1,600 MWh)

### Saskatchewan

**Mino Giizis Solar,** RM Lajord
(157 MWp / 100 MWac)

*In operation or under development

# About Garden River First Nation

## Garden River First Nation

Garden River First Nation (Ketegaunseebee Anishinaabeg) is an Ojibwe (Anishinaaabe) community located along the north shore of Lake Huron, east of Sault Ste. Marie in the Algoma District of northeastern Ontario. As a signatory to the Robinson-Huron Treaty (1850) and the Pennefather Treaty (1859), its traditional territory extends across a broad area of the region, with deep cultural, spiritual, and historical connections to the land and waters.

Garden River First Nation is a 50% equity owner of Dunns Valley Solar.

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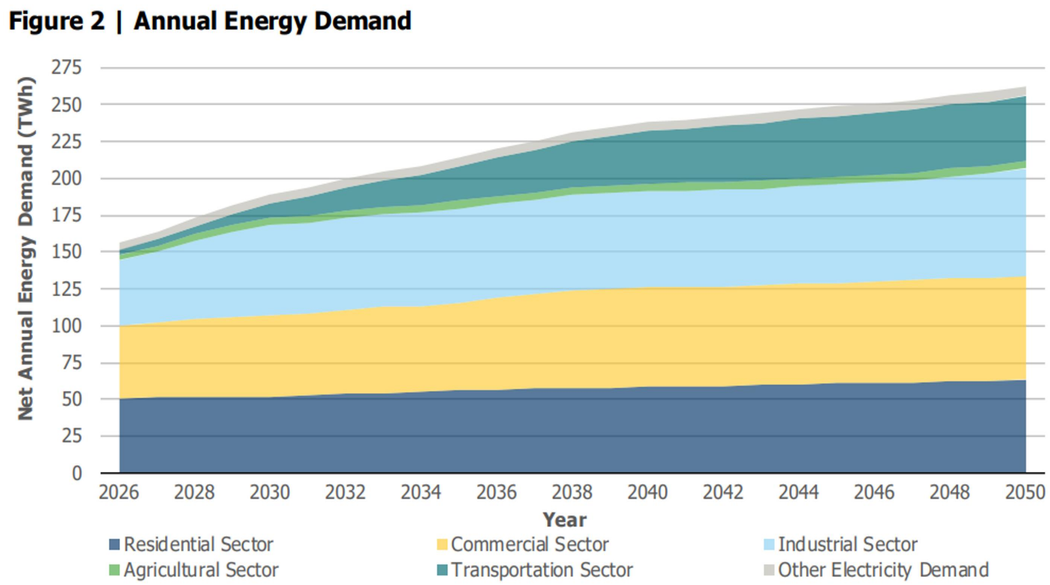
# Why Solar Energy?

- The **Ministry of Energy and Mines (MEM)** sets Ontario's long-term energy strategy and established a framework to contract new energy resources
- The **Independent Electricity System Operator (IESO)**, a non-profit Crown Corporation, operates Ontario's power grid
  - IESO projects that Ontario's electricity **demand will increase by more than 65% by 2050**
  - **Demand in Northern Ontario could nearly double** due to mining, industrial development, electrification and new community loads
  - In 2025, IESO launched its LT2 energy procurement and subsequently awarded fourteen 20-year contracts, including 12 solar projects
- Developers are responsible for consultation, obtaining permits, and for safely building, operating, and maintaining their facilities
- For solar projects, the **Ministry of Environment, Conservation & Parks (MECP)** assesses a project's application in accordance with the Renewable Energy Approvals (REA)

## IESO's Projected Annual Energy Demand




Source: IESO 2026 Annual Outlook

Ontario

ieso
Connecting Today.
Powering Tomorrow.

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# What it is a solar farm and how does it work?

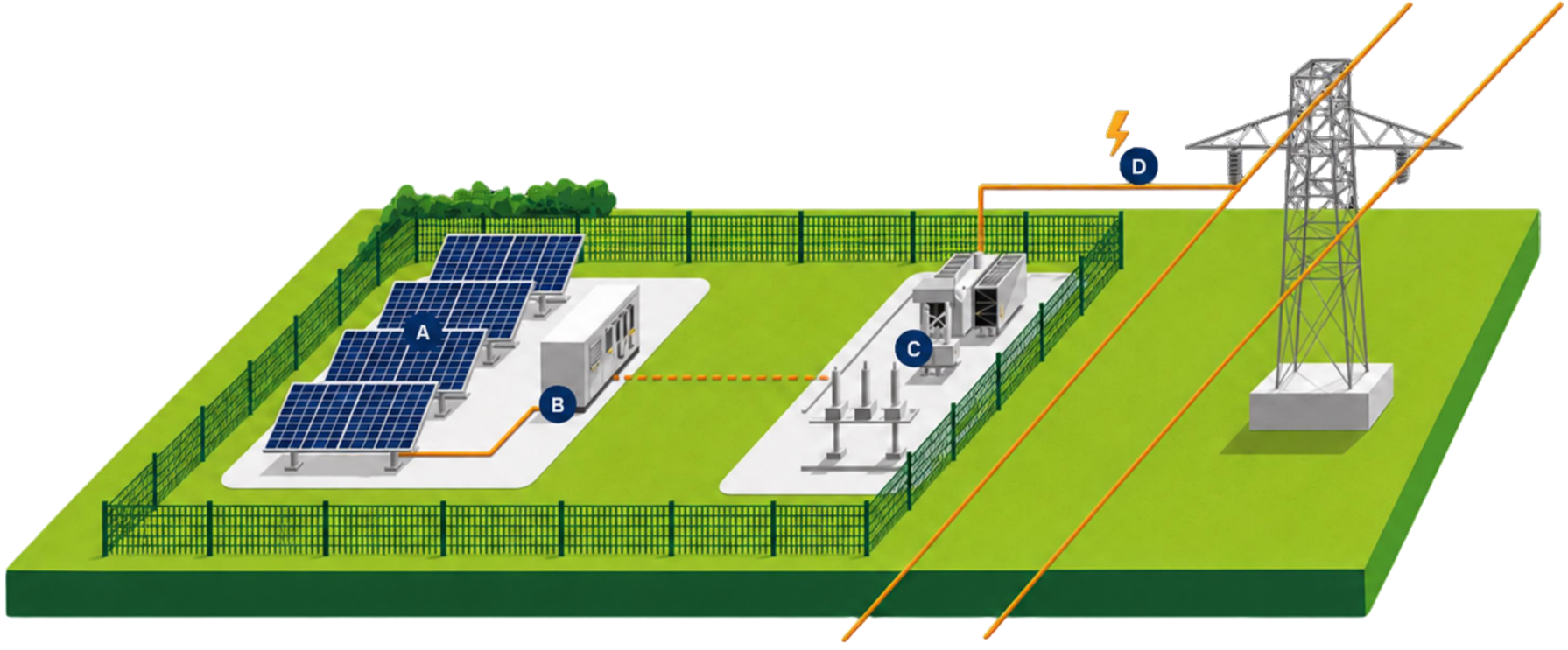
**Solar farms** are a renewable energy technology that converts sunlight into electricity.

Main components of a solar farm:

A. **Solar panels** are attached to a mounting structure. Each solar panel contains multiple photovoltaic (PV) solar cells that convert sunlight into electric current (the "photovoltaic effect") using semi-conductive materials. Panels are mounted on trackers that follow the sun to maximize generation.

B. **Inverter system** transforms direct current (DC) – the electric current produced by solar panels, to alternating current (AC) before connecting into the electricity grid.

C. & D. **Substation and transmission lines** connect the solar farms to the electrical grid, delivering electricity to power homes, shops, businesses, and more.



# About Dunns Valley Solar

## Dunns Valley Solar

- 200-megawatt solar photovoltaic (PV) energy project **co-owned by Neoen and Garden River First Nation in a 50/50 partnership**
- Proposed for development in Algoma District, 55 km east of Sault Ste. Marie
- Awarded a 20-year contract by the Independent Electricity Systems Operator (IESO) in its long-term 2 (LT2) energy procurement
- Dunns Valley Solar will generate **382,000 MWh of emissions-free energy annually**— enough to power 40,000 households in Ontario
- Dunns Valley Solar is expected to generate **up to 300 jobs during construction**, plus supplier opportunities
- **Investments in local fire and emergency response**



**Fox Coulee** (93 MW), Alberta

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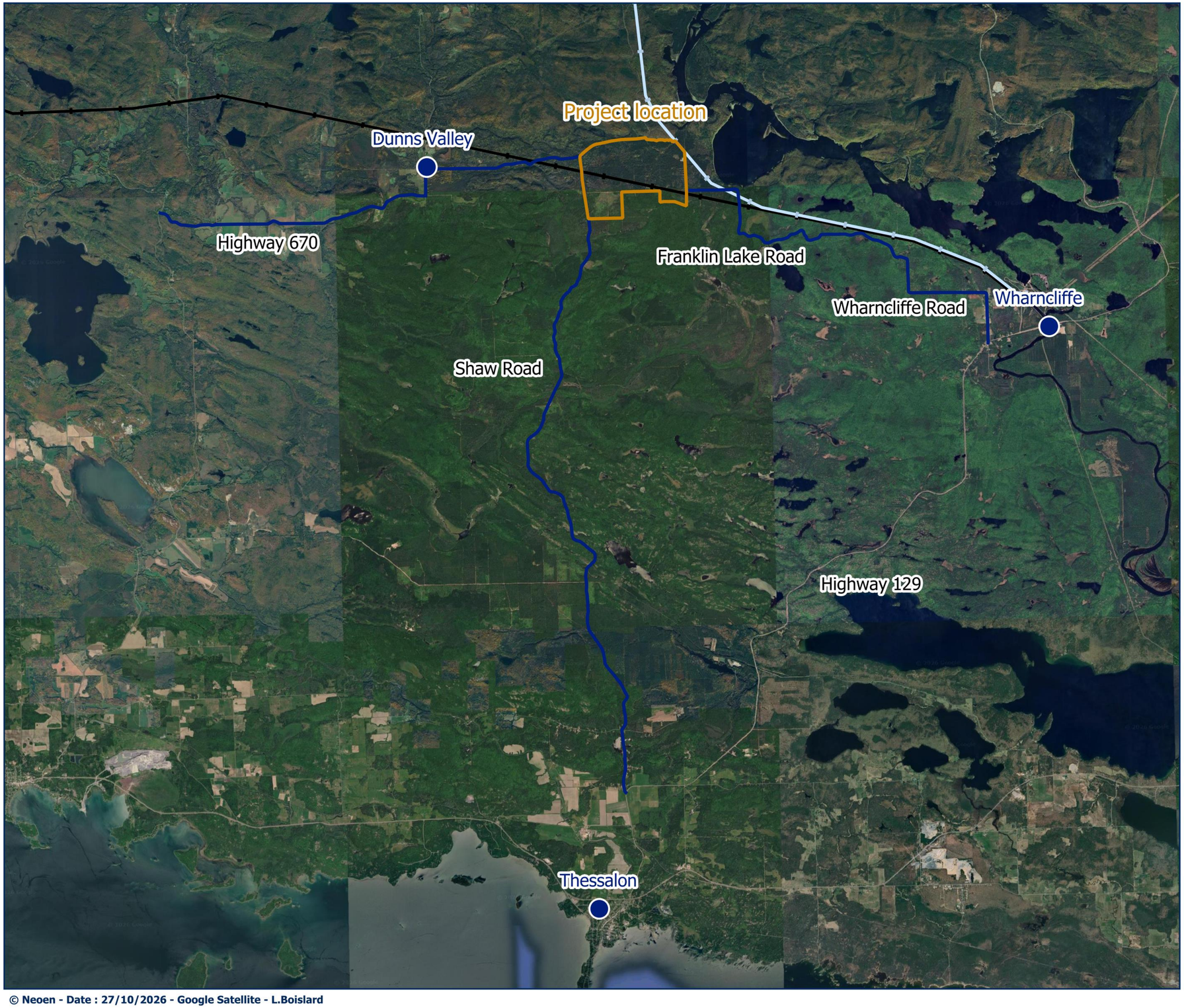
# Project Location

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**Dunns Valley Solar project**

**Legend**

- Project location
- Access Roads
- Transmission Lines
- Future Transmission Line

0 2,5 5 km

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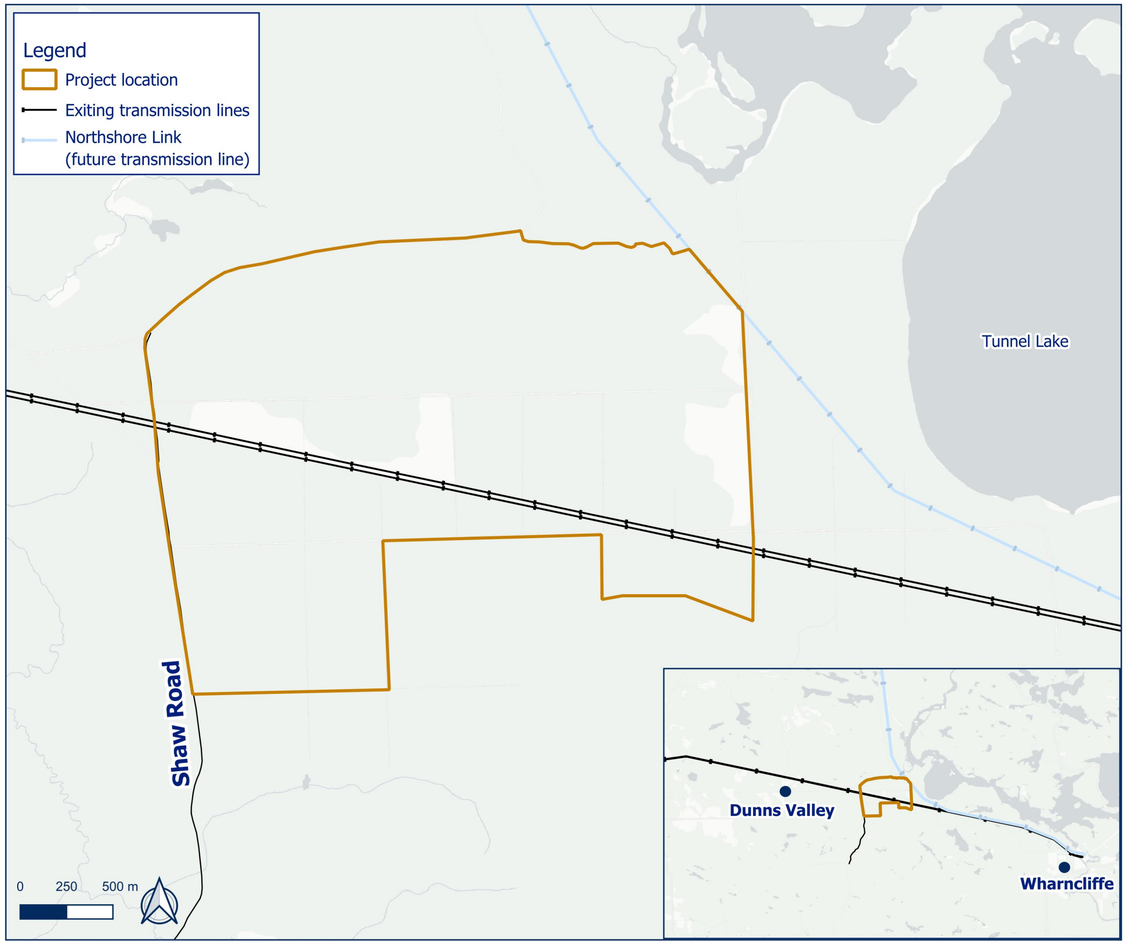
# Site Selection

## Location

Proposed for development on approximately 1,100 acres of provincially managed land located on Shaw Road, 55 km east of Sault Ste. Marie in Algoma District.

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## Why here?

- The IESO predicts significant growth in electricity demand in Northern Ontario by 2050
- Direct access to high voltage transmission with capacity to connect a 200 MW solar facility
- Avoids wetlands, watercourses and floodplains
- Construction feasibility, including flat topography, optimal soil conditions and site accessibility options

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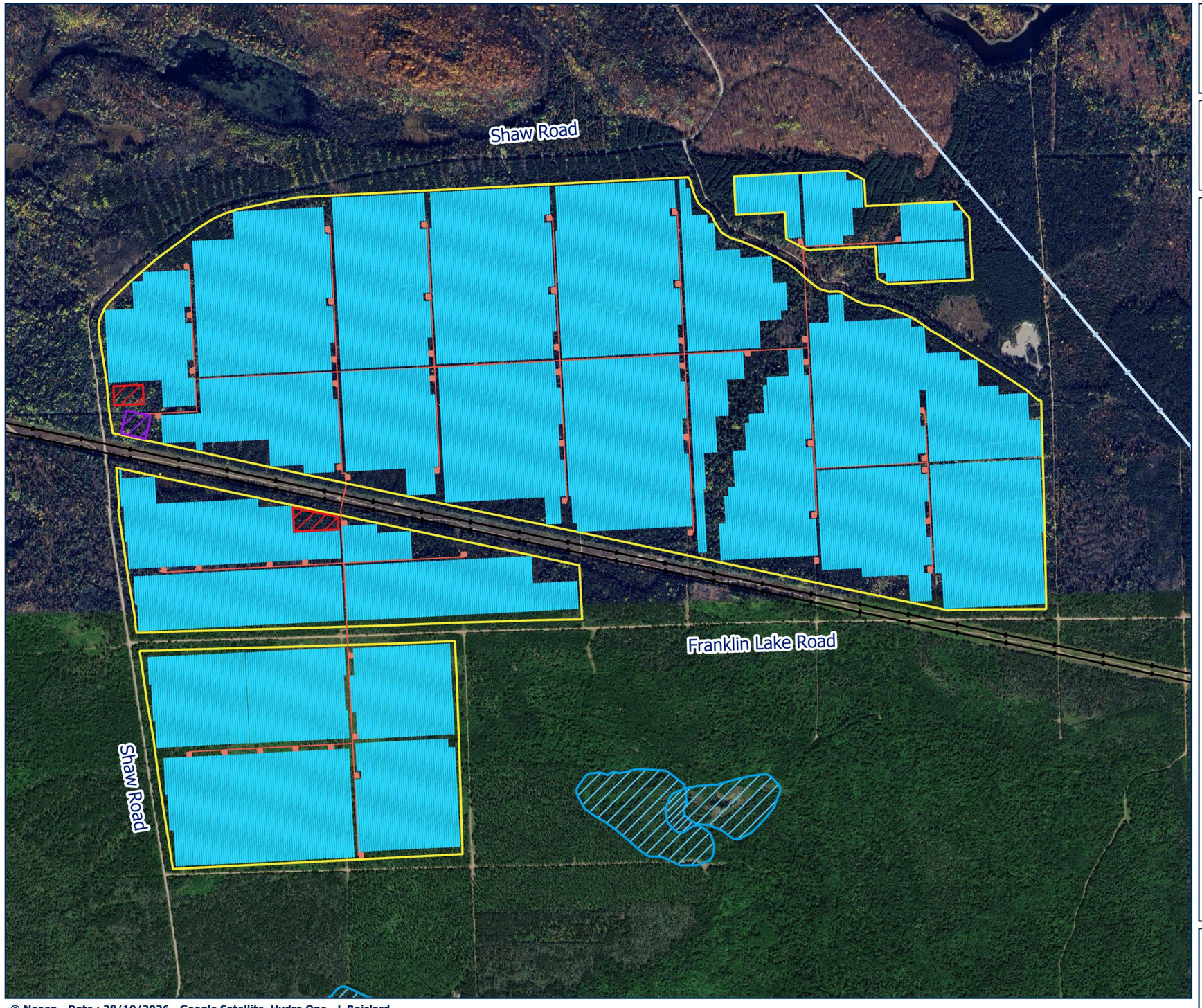
# Proposed Panel Layout

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**Dunn's Valley Solar project**

**Legend**

- Project fence
- Inverter Blocks
- Internal Roads
- Panel rows
- Transmission lines
- Future transmission line
- Laydown areas
- Substation area
- Wetlands setback

**Note**: roads and trails outside of the project fence will remain open for public use.

0 250 500 m

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# Current Site Conditions and Preparatory Works

## Site Conditions

- The proposed project site is comprised of woodlands, including a managed woodlot under the jurisdiction of the Ministry of Natural Resources' (MNR) Forest Management Plan
- Prior to Dunns Valley Solar, an area of approximately 220 ha / 544 acres (~47 % of the project footprint) was slated for harvest or controlled burn by 2030

## Preparatory Works

- Clearing and grubbing activities, including tree removal, is required for construction of the solar farm. To facilitate geotechnical testing as early as fall 2026, clearing of approximately 15km of narrow trail sections is being considered. A work permit has been submitted to the MNR and is currently under review.
- Natural habitat assessments are conducted by a qualified avian biologist to identify any cavities and nests ahead of clearing and grubbing activities
- Where cavities or nests are identified, mitigation measures are implemented to avoid or relocate the nests

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# Solar Energy Safety

## Safety

Neoen is an experienced developer and operator of large-scale solar projects. Our facilities are engineered to minimize fire, chemical, environmental, and operational risks using proven design and safety practices.

Hazard events are rare and further reduced through rigorous engineering, safe PV technology selection, protective systems, and strong operations and maintenance protocols.

A preliminary Emergency Response Plan (ERP) will outline prevention, mitigation, and response measures, and will be refined with input from local emergency services, government, and nearby landowners.

The ERP will form part of the Project's management plans and will be regularly updated in collaboration with first responders.



# Environmental Safety

## Are solar facilities safe?

- Yes. The facility will comply with all municipal, provincial, federal, and industry regulations and is being developed in coordination with local fire services and industry experts. It includes multiple layers of fire prevention, detection, suppression, and containment, along with 24/7 monitoring and emergency shutdown systems. Dunns Valley Solar will meet or exceed recognized safety standards to minimize risk and protect the surrounding community.

## Are there any health risks associated with solar farms?

- Solar panels have been installed on houses around the world for many years with no health issues linked to them. Dunns Valley Solar would use the same proven photovoltaic technology across a larger site.

## How is the risk of fire managed?

- Solar panels are very safe and pose minimal fire risk, with fires being extremely rare and usually due to faulty installation or damage. Neoen further reduces risk through vegetation management, robust design, coordination with local fire services, and on-site water for fire preparedness where needed.

## What monitoring and emergency measures are in place?

- The facility will be continuously monitored using automated safety and detection systems. Emergency response plans are developed in coordination with local fire services to ensure any issues are identified and addressed quickly.

## How much water is used to clean solar panels?

- Minimal. In Ontario, panels are naturally cleaned by rainfall and winter snow shed. This "self-cleaning" cycle removes dust and debris without requiring significant water consumption.

## Will the project reduce air quality?

- Dust levels are monitored throughout construction, with high-dust activities paused in windy conditions if controls are insufficient. Machinery is visually inspected during site checks and daily pre-starts to ensure proper emissions control and maintenance. Water trucks are used as needed to suppress dust from deliveries during construction.

DUNNS VALLEY SOLAR

# Required Regulatory Approvals

**Dunns Valley Solar is subject to the Renewable Energy Approval (REA) process, in accordance with Ontario Regulation 359/09 under the *Environmental Protection Act*.**

REA Reporting requirements for Dunns Valley Solar project:

- Natural Heritage Assessment (NHA)
- Archaeological Assessment (AA)
- Cultural Heritage Assessment (CHA)
- Noise Impact Assessment (NIA)

In addition to the REA requirements, Dunns Valley Solar is subject to:

- Provincial Lands Act approvals with the Ministry of Natural Resources (MNR)
- Applicable environmental approvals, such as Species Conservation Act (SCA)



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# The REA Process

**Renewable Energy Approvals (REAs)** are issued by the Ministry of the Environment, Conservation and Parks (MECP) under Ontario Regulation 359/09, made under Part V.0.1 of the Environmental Protection Act.

- The REA application will describe **Project activities**, such as how the Project will be designed, built, operated and decommissioned, and how **potential environmental effects** will be avoided or mitigated
- **Two public meetings, Indigenous consultation, and agency and local authority engagement** are required parts of the process
- **Additional permits and authorizations** will also be obtained, including under the Public Lands Act, Crown Forest Sustainability Act, Species Conservation Act, Ontario Heritage Act

## Reports to be prepared and made available for public review

- Project Description Report (draft available)
- Construction Plan Report
- Design and Operations Report
- Decommissioning Plan Report
- Archaeological and Heritage Assessments
- Natural Heritage Assessment
- Water Body and Water Assessment Report
- Noise Study Report

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# Our Commitments to the Community



**Direct investment in the local fire department**



**Up to 300 jobs during construction, plus supplier and skills training opportunities**



**Collaboration with the local club to support continued use of designated snowmobile trails during construction and operations**



**Investments in local art, heritage, and biodiversity initiatives**

# Employment Opportunities

## EMPLOYMENT OPPORTUNITIES

### ENGINEERING, PROCUREMENT AND CONSTRUCTION CONTRACTOR

#### ELECTRICAL

Electricians
Electricity installation
Electrical Trade Assistants

#### CIVIL AND MECHANICAL

Loader
Excavator
Grader
Roller
Dump Truck
Watercarts
Forklift *and/or*
Telehandler
Trucks
Pile Driver
Concreters
Pipelayers

#### GENERAL

Land manager
Equipment maintenance
Administration
General labour

# Supplier Opportunities

## SUPPLIER OPPORTUNITIES

### Good and services we expect to be procured:

- Accommodation
- Cleaners
- Crane (minor lifts)
- Concreters
- Concrete supply (offsite supply)
- Earthworks plant (wet and dry hire)
- Fencing and gates
- Food and catering service
- Freight
- Fuel
- Material testing
- Mechanical fitter / maintenance
- Operation and maintenance facility construction
- Quarry products
- Septic pump out services
- Small equipment hire
- Transport (minor)
- Waste management (liquid and solid)
- Water (construction and potable)
- Welding & engineering fabrication (site services)

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# End-of-Life Project Planning

Following operations, the project will be decommissioned. As a long-term partner in the communities where we operate, Neoen is committed to ensuring that renewable energy projects are responsibly decommissioned and that project sites are restored at the end of their operating life.

## Decommissioning & Site Restoration Security

Neoen will prepare a Decommissioning Plan outlining the decommissioning and restoration of the site.

## Recycling & Circular Economy

Neoen promotes the recovery, reuse, and recycling of materials across all project technologies, helping to reduce waste. All project infrastructure will be removed, and the land restored to its original condition. Leading solar panel recycling programs can recover up to 95% of solar materials for reuse in new products.

## Proven Experience

In 2025, Neoen successfully completed the decommissioning and rehabilitation of the DeGrussa Solar Farm & Battery in Australia. As Neoen's first decommissioned renewable energy asset, DeGrussa represents an important milestone in the company's commitment to responsible decommissioning, recycling, and sustainable site restoration.




Interested to learn more about Neoen’s Sustainability Framework? Visit **Neoen.com/en/Sustainability/**

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# Project Timeline

We are here

**1**

## Project Development and Development Applications

Q2 2026 – Q2 2027

Neoen conducts community consultation and submits initial development applications. A second Public Meeting will be held.

**2**

## Obtain Development Approvals

Q2 2027 – Q4 2027

Authorities may approve or reject the applications.

Subject to Project Approval

**3**

## Construction

Q1 2028 – Q4 2029

Construction of Dunns Valley Solar begins.

**4**

## Operations

Q1 2030

Commercial operations of Dunns Valley Solar begin.

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# Community Engagement

## We want to hear from you!

- Neoen is consulting Rightsholders, stakeholders, surrounding landowners and occupants, and local businesses.
- We welcome your feedback – all feedback will be considered and will inform site selection and project development.
- Email us at: **DunnsValleySolar@Neoen.com**
- Read more about the project, ask questions, and share your feedback on our project website at: **Canada.Neoen/Dunns-Valley-Solar/**

Scan the QR code for quick access:

