



Canadian Renewable  
Energy Association

WIND. SOLAR. STORAGE.

Association canadienne  
de l'énergie renouvelable

ÉOLIEN. SOLAIRE. STOCKAGE.

# Go Solar Guide 2024







Canadian Renewable  
Energy Association  
WIND. SOLAR. STORAGE.

Association canadienne  
de l'énergie renouvelable  
ÉOLIEN, SOLAIRE, STOCKAGE.



# LOOKING TO GO SOLAR?

Check out CanREA's member directory, featuring  
Canada's top solar installers

Learn more about membership at  
[RenewablesAssociation.ca](https://RenewablesAssociation.ca)



# Contents

---

About CanREA	4
Introduction	8
How does solar work?	9
Solar plus storage	6
Determining your solar potential	7
Net metering	8
Incentives and programs	10
Financing your solar installation	13
Leasing and PPAs	14
Choosing an installer	15
What if something goes wrong?	17
Questions to ask your installer	18
Glossary of terms	19
Member directory	21
Disclaimer	25



# About CanREA

The Canadian Renewable Energy Association (CanREA) is the voice for wind energy, solar energy and energy storage solutions that will power Canada's energy future. Our diverse members are uniquely positioned to deliver clean, low-cost, reliable, flexible and scalable solutions. For more information on how Canada can use wind energy, solar energy and energy storage to help achieve its net-zero commitments, consult "[Powering Canada's Journey to Net-Zero: CanREA's 2050 Vision](#)." For more information about CanREA, please [visit renewablesassociation.ca](https://renewablesassociation.ca)

## STAY CONNECTED:

Follow us:  

Subscribe to "*Power Together*," CanREA's bimonthly e-newsletter, [here](#).

Obtain more information on becoming a member [here](#).



Canadian Renewable  
Energy Association

WIND, SOLAR, STORAGE.

Association canadienne  
de l'énergie renouvelable

ÉOLIEN, SOLAIRE, STOCKAGE.







# Introduction

---

Today, more Canadian homeowners than ever before are installing solar, and with the cost of the technology having fallen by more than 80% since 2010, it's easy to see why.

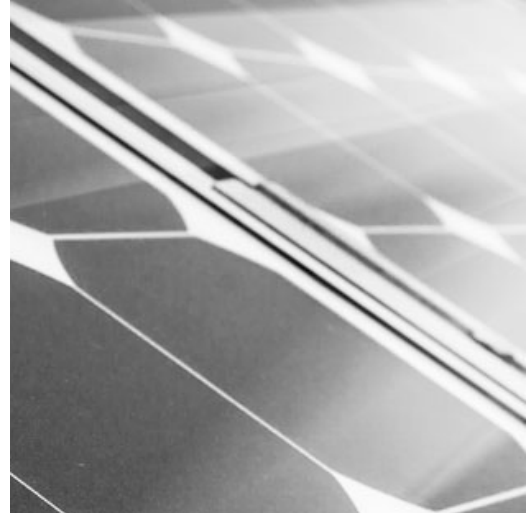
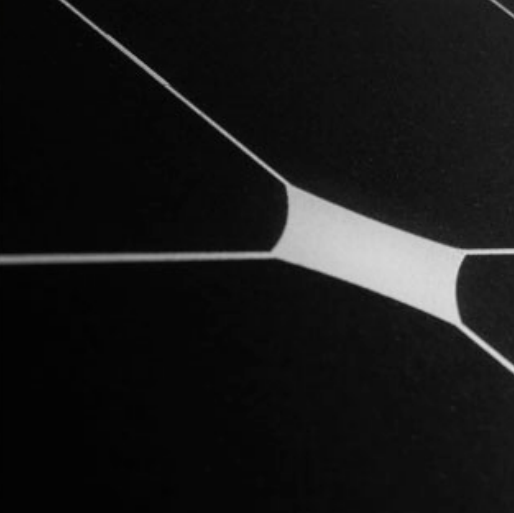
In addition to the environmental benefits of solar, generating your own energy from the sun saves you money on your electricity bills and, when paired with storage, can help ensure your home is prepared in the event of a power outage or natural disaster.

Created for the Canadian consumer, this guide is designed to help you learn the basics of generating your own electricity from the sun through solar photovoltaics (PV). It will show you what you can expect throughout the installation process from start to finish, and help you decide whether solar is right for you.

A solar PV system is a big investment in your future. As with any big decision, it is important to consider your options and learn what's involved before making a commitment.

That said, there has never been a better time to harness the power of the sun!





## How does solar work?

### SOLAR PLUS STORAGE

For those aiming to go off-grid, or homeowners wanting to ensure they will still have some power during a power outage, incorporating battery storage alongside a solar PV system is becoming an increasingly popular option, depending on the jurisdiction.

While battery storage is by no means a necessary component of a home solar PV system, it may be worth considering, particularly for rural homeowners who are more prone to power intermittency. Every situation is different, so homeowners should discuss options with an installer to see if adding energy storage makes sense for their needs and budget.

Some jurisdictions are also moving forward with changes to Time of Use electricity billing that could make battery storage more financially attractive as a means of avoiding consuming grid electricity during more expensive, peak energy usage hours.

**Solar photovoltaic (PV) systems use the sun's energy to generate electricity.**

Flat PV panels, which can either be attached to rooftops or mounted on ground-mounted structures, absorb sunlight and convert that light energy into direct current (DC) power. This DC power is then fed through an inverter to create alternating current (AC) power, the type of current used in our homes.

Today, the majority of solar PV systems being installed across Canada are grid-tied, meaning electricity flows to the home's electrical panel where it is used to power the home. In most applications, surplus electricity is exported back to the electrical grid.

A typical grid-tied solar PV system is made up of the solar panels themselves, racking equipment to affix them to a roof or a ground mount, one or more inverters to convert the electricity into its more usable AC form, and any other piece of electrical equipment necessary to connect an approved system to the home and/or the grid.

These "balance of system" components are, in most cases, required by the Canadian Electrical Code. They include things like appropriately sized wiring, disconnecting devices, junction boxes, breakers, a bi-directional utility meter and optional system monitoring equipment.

As a safety measure, grid-tied solar PV systems need to be synchronized with the electrical grid at all times in order to operate. As a result, the solar panels themselves will not power the home during a power outage unless there is energy storage attached.





# Determining your solar potential

A solar PV system can either be affixed to your rooftop or to the ground (e.g., in your backyard). A professional installer can provide advice on the optimal location and configuration of the system on your property. How much energy your system can generate depends on a number of factors:

## SOLAR POTENTIAL

Your installer will assess your roof and/or yard size and survey the area for any obstructions, both current and future. A professional assessment, including the measuring of solar irradiance (how much sunlight falls on your roof or yard) is required to estimate your potential system production.

If you intend for your solar panels to be installed on your rooftop, generally speaking you will need at least 3.7 m (12') x 3.0 m (10') of unobstructed area (clear of chimneys, roof vents, skylights, gables and other protrusions) and without significant shading from neighbouring buildings or trees.

The optimal orientation of rooftop solar panels is south-facing, but east- and west-facing orientations can provide around 70% of the output of a south-facing solar PV system. A north-facing orientation would not be viable.

## ROOF CONDITION

If you intend to install panels on your rooftop, the roof covering (e.g., shingles) should be less than 10 years old, so that the solar PV system can remain in place for the duration of its warrantied life (e.g., 25 years). It would not make sense to remove and re-install solar panels and racking in order to replace or repair the roof covering.

Since 2012, the standard for “solar-ready” roof construction in Canada has been a load limit of 5 lbs per square foot from the solar panels, racking and other equipment. It is important to verify that your roof is able to withstand this load, particularly if you live in an older home.

## CALCULATING YOUR SOLAR PV SYSTEM'S POTENTIAL OUTPUT, AND YOUR ENERGY NEEDS

As the weather is not always consistent from year to year, production from your solar system can vary over time. Your installer should be able to offer some averaging factors for the fluctuation.

In addition, your solar system can produce power for well over 20 years, so you will need to account for any future obstructions: Is that sapling going to branch over your solar panels in a decade? Are the neighbours planning an addition that will shade your roof? Having a conversation with neighbours is a good idea before you begin.

Finally, your electricity consumption may change over the years as well. Purchasing an electric vehicle or using your AC system or electric heating will increase your usage. You may also be taking measures to reduce your usage by switching to energy-efficient appliances or LED lightbulbs. These decisions may affect the overall size of your system in the end.





# Net metering

If your solar PV system generates more electricity than your home is using at any given time, the extra electricity is exported to the local grid for others to use.

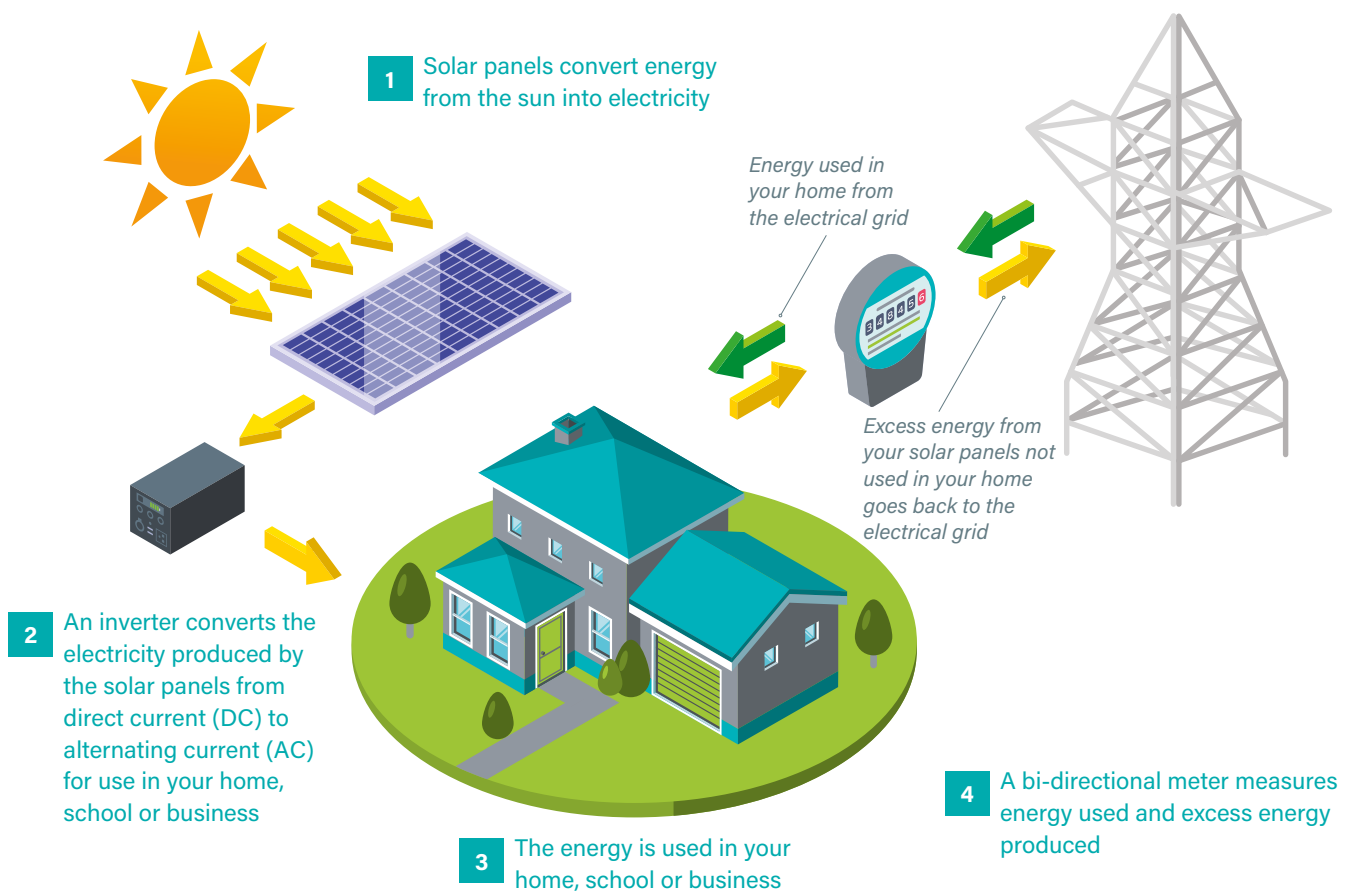
During times when your solar PV system isn't producing as much electricity as you are using, your home would continue to draw electricity from the grid as normal.

Net metering allows you to sell excess power generation beyond your consumption back to the utility company at the same rate per kWh that you buy from them, on a 1:1 basis. Most jurisdictions and utilities in Canada offer net-metering to residential customers.

Under a "net billing" system, you are compensated for surplus generation at a different per-kWh rate than what you pay for electricity you consume from the grid.

## HOW NET METERING WORKS

### Photovoltaic Solar Example



While program rules vary across jurisdictions, all Canadian homeowners have access to some form of either net metering or net billing for the surplus electricity generation they export to the grid.





## PROVINCIAL RATE INFORMATION (APRIL 2024)

PROVINCE/ TERRITORY	HOW MUCH CAN I SAVE WITH SOLAR?
<b>Alberta</b>	Alberta has a wide variety of residential rate options. Some rates are volatile and change on a monthly basis. Others lock in one price for months or years at a time. Your solar installer will be able to advise on an electricity provider and rate plan that best suits your household needs and minimizes the paydown time for your solar installation.
<b>British Columbia</b>	BC Hydro residential customers have several rate options, including an exempt rate and a tiered rate. The exempt rate includes an energy charge of \$0.1221/kWh and a daily charge of \$0.2403 per day. The tiered rate offers a charge of \$0.1097/kWh for the first 675 kWh in a month, and \$0.1408/kWh for all usage over that threshold. Both rate options include further time of day pricing options for more sophisticated customers.
<b>Manitoba</b>	The Manitoba Hydro residential rate is \$0.0945/kWh. Energy exported to the grid is compensated at \$0.065/kWh until March 2024.
<b>New Brunswick</b>	NBPower charges \$0.1227/kWh for residential service. Check with your local installer for rates in your area.
<b>Newfoundland and Labrador</b>	NLHydro's domestic utility rates are \$0.143/kWh including the basic monthly charge.
<b>Northwest Territories</b>	Residential electricity rates vary depending on the community, ranging from \$0.245 to \$0.70/kWh for thermal zone communities (i.e., diesel generation).
<b>Nova Scotia</b>	Residential rates are \$0.1755/kWh with Time of Use (TOU) prices ranging from \$0.1133/kWh to \$0.2318/kWh.
<b>Nunavut</b>	There are varying rates per community, with non-government residential rates of \$0.62/kWh, increasing to government residential rates of \$0.93/kWh.
<b>Ontario</b>	Ontario has a variety of service providers with TOU rates ranging from ultra-low overnight of \$0.028/kWh, to peak/offpeak and seasonal summer/winter rate ranges of \$0.087/kWh to \$0.182/kWh. Check with your local installer for rates in your area.
<b>Prince Edward Island</b>	Maritime Electric has stepped rates starting at \$0.1667/kWh and declining to \$0.1332 after approximately 2,000 kWh usage. See the Efficiency PEI website for up-to-date information <a href="#">here</a> .
<b>Quebec</b>	HydroQuebec has the lowest residential rates in Canada. Their two-tiered residential rate starts at \$0.065/kWh and increases to \$0.1004 /kWh after 40 kWh use.
<b>Saskatchewan</b>	The SaskPower residential rate is \$0.149/kWh. Energy exported to the grid is compensated at 50% of the retail rate or \$0.065/kWh. Saskatoon Light & Power customers benefit from full 1:1 net metering at the retail rate of \$0.164/kWh. Swift Current Light & Power customers have net billing and a retail rate of \$0.165/kWh.
<b>Yukon</b>	Yukon has more than 20 varying residential rates, depending on community location and fuel type. Their rates range from \$0.010/kWh for hydro communities, up to \$0.317/kWh for diesel communities. The Yukon Microgeneration program is currently on hold.

*\*Note that the information in this table is current as of April 2024. Please check your local electric utility website for up-to-date rate information.*





# Incentives and programs available for your home solar PV installation

## INCENTIVES

Installing a solar system on your home is a big investment that can pay off over the long run. Fortunately, there are many different incentives and programs that can help decrease the overall cost, or financing and payment options that can eliminate the upfront costs.

## GREENER HOMES GRANT AND LOAN PROGRAMS

The Canada Greener Homes Initiative was launched in 2021 as a seven-year, \$2.6 billion Government of Canada initiative aimed at helping 700,000 Canadian homes undertake energy efficiency retrofits.

- The Greener Homes Grant was a significant success. It achieved its participation goals in late 2023, approximately five years ahead of target, and is no longer accepting applications.
- In February 2024, CanREA welcomed the announcement of a phase two for the federal Greener Homes Initiative, which helps Canadians “Go Solar” and retrofit their homes to reduce their energy bills and GHG emissions. See the details [here](#).
- The Federal Greener Homes grant will support energy affordability. It is directed toward low-income housing.
- Greener Homes loan program (a 10-year, interest-free loan supporting residential solar and battery investments) is still taking applications.



## PROVINCIAL/TERRITORIAL AND MUNICIPAL PROGRAMS

PROVINCE/ TERRITORY	HOW MUCH CAN I SAVE WITH SOLAR?
<b>Alberta</b>	<ul style="list-style-type: none"> <li>City of Edmonton: The "Change Homes for Climate – Solar Program" is available for properties with four or more units at a rate of \$500/kW toward the cost of a rooftop solar system. These benefits are capped at \$4,000 per dwelling or \$100,000 per owner annually. Project funding will be available on a first-come-first-served basis. Details <a href="#">here</a>.</li> <li>The Town of Banff offers residents a rebate of \$750 per kW installed, to a maximum of 20 kW. Program information is <a href="#">available here</a>.</li> <li>The City of Medicine Hat solar rebate program is fully subscribed.</li> <li>EQUUS customers are eligible for a rebate of \$100 per kW installed, to a maximum of \$500. Program information is <a href="#">available here</a>.</li> </ul>
<b>British Columbia</b>	<ul style="list-style-type: none"> <li>Solar PV is HST-exempt in British Columbia, providing residential solar PV customers with a 7% savings.</li> <li>NEW: Beginning in July, eligible homeowners can apply for \$1,000 in rebates per kW of installed solar capacity, up to a maximum of \$5,000 (or 50% of project costs). Up to \$5,000 will also be available for battery storage. At publication, program details were not yet available. Please consult this <a href="#">website</a> for details.</li> </ul>
<b>Manitoba</b>	Efficiency Manitoba's Solar Rebate Program offers a rebate of \$500 per kW installed for residential and business solar PV (<100 kW), to a maximum of 10 kW and \$5,000. Program information is available <a href="#">here</a> .
<b>New Brunswick</b>	Save Energy NB's Total Home Energy Savings Program offers a rebate of up to \$200 per kW installed for residential solar PV up to a maximum of 10kW or \$20,000. Program information is available <a href="#">here</a> .
<b>Northwest Territories</b>	The Arctic Energy Alliance offers rebates for off-grid residential solar PV, for 50% of the total eligible project costs or \$4,000 per kW (whichever is less), to a maximum of \$20,000. Program information is available <a href="#">here</a> .
<b>Nova Scotia</b>	<p>Efficiency Nova Scotia's Solar Homes program offers rebates of \$300 per kW installed up to a maximum of \$3,000.</p> <p>First Nations, registered non-profits and charitable organizations, including churches, municipalities, universities and community colleges, are eligible for up to \$600/kW, to a maximum rebate of \$15,000.</p> <p>Homeowners interested in participating in Nova Scotia Power's Home Battery pilot are eligible for \$300/kWh of installed total energy storage capacity, and a maximum rebate of \$2,500, up to 40% of eligible pre-tax system costs. Program information is available <a href="#">here</a>.</p>
<b>Nunavut</b>	The Nunavut Department of Environment's (DOE) Climate Change Secretariat (CCS) provides a grant of up to \$5,000 for solar PV installed at a cabin, defined as a structure in a remote location used for camping and/or traditional land use activities and not used as a primary place of residence. Program information is available <a href="#">here</a> .
<b>Ontario</b>	<p>The City of Toronto's Home Energy Loan Program (HELP) allows homeowners in Toronto to borrow up to \$125,000 for "home energy improvements," including battery storage. See <a href="#">here</a> for more details.</p> <p>Enbridge collaborated with the Greener Homes Grant on the Enbridge Gas Home Efficiency Rebate Plus program, which offers rebates of up to \$5,000 for installing solar panels or battery storage systems at homes. As of February 5, 2024, the program was fully subscribed and no new applications are being accepted. Program information is available <a href="#">here</a>.</p>
<b>Prince Edward Island</b>	Efficiency PEI offers rebates of \$1,000 per kW installed, up to 40% of installed costs, to a maximum of \$10,000. Program information is available <a href="#">here</a> .
<b>Saskatchewan</b>	The City of Saskatoon offers a municipal grant of up to a \$6,000 grant for residents applying for solar funding through Home Energy Loan Participants (HELP). Program information is available <a href="#">here</a> .
<b>Yukon</b>	The Yukon Government solar rebate program of \$800/kW is on pause. Program information available <a href="#">here</a> .

\*Note that the information in this table is current as of April 2024. Please check the program websites listed for up-to-date rate information.





# The Future is now

Join Alberta's best Solar Rewards program



## SOLAR CLUB™

Learn more at: [solarclub.ca](https://solarclub.ca)

HI Rate

**30.00**  
¢/kwh

Designed for solar  
micro-generators  
exporting more electricity  
to the grid than they  
are importing



Canadian Renewable  
Energy Association  
WIND SOLAR STORAGE

Association canadienne  
de l'énergie renouvelable  
EOLIEN SOLAIRE STOCKAGE

## Want to stay on top of industry trends?

Get market intelligence and industry events sent directly to you with the Canadian Renewable Energy Association's informative newsletters!

**Subscribe today!**

WIND SOLAR STORAGE  
**WATT'S ON**

**POWER  
TOGETHER**  
WIND SOLAR STORAGE



# Financing your home solar PV installation

## PACE AND OTHER LOW-COST FINANCING OPTIONS

The Government of Canada Greener Homes Loan program is the best available financing option for your residential solar/battery project. It offers an interest-free, 10-year loan for up to \$40,000. There is a wide variety of clean-energy financing programs for the residential sector also available across Canada. Typically, these programs enable homeowners to undertake energy-efficiency upgrades, including installing solar PV, with no upfront cost: instead, you would make regular monthly payments over a number of years.

**Property-Assessed Clean Energy (PACE)** programs enable participating homeowners to make these payments through their regular energy bills. Although less common here than in the US, there are several municipal PACE programs in place across Canada.

**Home equity Line of Credit (HLOC)** is also an option for homeowners to finance their renewable energy project. Please check with your bank for interest rates and terms, to ensure it's the right financial decision for you.

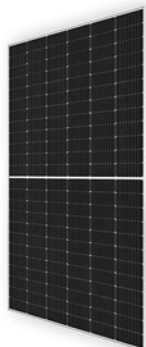
The following is a summary of PACE and other low-cost financing options currently available for Canadian homeowners.

PROVINCE/ TERRITORY	LOW-COST RESIDENTIAL SOLAR PV FINANCING OPTIONS
<b>Alberta</b>	Clean Energy Improvement Program (CEIP) is a PACE program. It is fully subscribed for Calgary and Edmonton residents, but continues to be available to residents of Canmore, Rocky Mountain House and other communities. Check your town's eligibility <a href="#">here</a> .  EQUS customers are eligible for low-cost financing of up to \$15,000 for eligible upgrades including residential solar PV. Financing information is available <a href="#">here</a> .
<b>British Columbia</b>	No PACE financing programs are currently available.
<b>Manitoba</b>	The Manitoba Hydro Home Energy Efficiency Loan offers 6.6% financing on loans of up to 15 years and \$20,000 for eligible upgrades, including solar PV. Financing information is available <a href="#">here</a> .
<b>New Brunswick</b>	NBTA Credit Union is currently offering members preferred rates (Prime + 1%) for Greener Home Loans toward eligible upgrades, including residential solar PV.
<b>Nova Scotia</b>	Nova Scotia is a leader in PACE programs, with low-cost clean energy financing options provided by municipalities across the province. Financing information available <a href="#">here</a> .
<b>Nunavut</b>	No PACE financing programs are currently available.
<b>Ontario</b>	The City of Toronto's Home Energy Loan Program (HELP) offers loans of up to \$125,000 toward a wide range of upgrade measures, including solar PV. Financing information is available <a href="#">here</a> .
<b>Prince Edward Island</b>	PEI's Energy Efficiency Loan Program offers a 15-year loan, of up to \$25,000 at a fixed interest rate of 5%, to residents who qualify for efficiency PEI's energy efficiency loan program for solar photovoltaic equipment. Financing information is available <a href="#">here</a> .
<b>Saskatchewan</b>	The City of Saskatoon offers PACE financing through their Home Energy Loan Participants (HELP) program. Additional information is available <a href="#">here</a> .



# Great pricing, great quality, and AAA Bankability, as rated by PV Tech

Jump ahead this summer season and procure your JA Solar Modules, with BayWa r.e.



## JA Solar JAM72D30 550W

- 144 cell
- Silver Frame
- Double glass modules
- 35mm frame & 1300mm cables
- MBB Bifacial Mono Perc



## JA Solar JAM54S31 405W

- 108 cell
- Monofacial
- MC4 Connectors
- JA Solar Deep Blue 3.0 Light
- 30mm Frame
- 1200mm cables



BayWa r.e.

JA SOLAR

Shop JA Solar with BayWa r.e. Solar

## Lease-to-own and power purchase agreements

Just like leasing a car, some solar companies offer leasing options for residential solar PV systems, rather than purchasing the system outright.

Similarly, in a Power Purchase Agreement (PPA), the customer and the installer enter into a financial agreement in which the solar panels are installed on the customer's property at little or no upfront cost, and the installer sells the generated power to the customer at a fixed rate. The typical length of the agreement varies, ranging from 10 to 25 years, after which the customer can have the system removed, buy the system or extend the PPA.

In both lease and PPA arrangements, it is important for customers to understand:

- How long will the arrangement last?
- What are the buyout options at the end of the term length?
- How do the monthly payments stack up versus the revenue (savings) you expect to generate with the solar system?
- What if you decide to sell your house and need to break the lease?

You may want a lawyer or financial advisor to review any lease or PPA documents before you sign. If you don't have enough cash to pay for a solar system up front, it is also worth considering other financing options, like home equity lines of credit.







## Choosing an installer

Choosing a contractor to install your solar PV system can be the most difficult decision in the process of going solar. Luckily, CanREA makes the process a bit easier for you with our [Member Directory](#).

Upon joining CanREA, each new solar installer member must agree to abide by our CanREA Member [Code of Conduct](#).

CanREA solar installers are dedicated to providing quality products and customer service and endeavour to ensure their customers are satisfied.

### BEFORE CHOOSING A SOLAR INSTALLER...

**1 /** Consider obtaining more than one quote, especially if an installer was not referred by someone you trust, or is not well known to you. Written quotes should cover all of the components and installation and make clear what, if any, costs you will be responsible for on top of the installer's quote. Here are some key elements you should discuss with your contractor and ensure are included in a quote:

- Costs of stamped engineering drawings.
- Costs of obtaining necessary permits.
- Maintenance costs and warranty support.
- Any available incentives, and assistance with applying for them.
- Any additional components or materials not included in the package price.



- 2 / Contact your insurance provider to check if the installation of a rooftop solar system will have implications for your home insurance.
- 3 / Make sure that the installer you are considering has experience in dealing with local utilities and understands all relevant incentive program rules.
- 4 / Check if the installer has training for the products from the manufacturers that they have specified in your quote.
- 5 / If possible, check references by speaking with former customers, as well as researching online reviews. Web reviews and recommendations can be a great way to find the right contractor for you, but keep in mind that there can often be two very different stories for any negative reviews.
- 6 / You should also ensure that any subcontractors the installer plans to use have the proper qualifications and the insurance needed to properly complete the work. Remember, work may need to be inspected for electrical or building safety, so it needs to be done right. Ask if their employees or contractors have specialized solar certifications, such as those issued by the North American Board of Certified Energy Practitioners (NABCEP). While NABCEP certification is not required in Canada, it is a very rigorous certification program that demonstrates the installer has been trained and tested on solar PV installations.

### DOOR-TO-DOOR SALES

With the rapidly growing interest in residential solar, there unfortunately has been a recent increase in door-to-door solar sales in many markets across Canada. **CanREA would strongly recommend avoiding any company that engages in these sales tactics.**

These companies may advertise “free” solar PV systems, which likely means a \$0 down payment arrangement with high financing costs. Or, they may be asking for a big up-front deposit in order to lock in a time-limited deal. These are major red flags.

It's always better to do your research, get multiple quotes in writing, and go with an established installer with many years of experience in your local community. With so many high-quality, reputable solar installers to choose from, there's no reason to say “yes” to anyone selling door to door.







## What if something goes wrong?

---

**Solar installers who are CanREA members are dedicated to providing quality products and customer service, endeavoring to ensure their customers are satisfied.**

If your solar system is not working as expected, there are installation issues or other problems, the first step is to call back your installer and try to work with them to resolve the issue. This is why it is important to take the time to select a reputable and experienced contractor from the beginning. Look at the remedies available to you under your contract or warranty if you are not satisfied with the contractor's response.

Upon joining CanREA, each solar installer company must abide by our CanREA Member Code of Conduct, which is why we recommend seeking out a CanREA member company.

If something goes wrong in the process and you believe a company has violated the CanREA Member Code of Conduct, please see our recommendations [here](#).





# Final checklist: Questions to ask your installer

---

- ☒ Have you secured a net-metering agreement with your local or provincial utility and received permission to proceed?
- ☒ Have you checked provincial electricity rates and understand the rules for banking credits?
- ☒ Have you checked references and qualifications for the contractor you have chosen?
- ☒ How long has your contractor been in business? Will they be around if something needs fixing in the future?
- ☒ Do you have a copy of warranty materials?
- ☒ Have you checked your roof condition and are you satisfied that it will hold up for the next 20 years?
- ☒ Are there any structural or electrical conditions you need to address before proceeding with installation?
- ☒ Have you and your installer assessed and addressed any potential shading issues, now or in the future, that may affect power production?
- ☒ Have you and/or your contractor calculated average annual power output in kilowatt hours for your system? This will give you a sense of how large your electricity bill savings will be.
- ☒ Is your system sized appropriately for your average annual consumption level?
- ☒ Have you factored in any financing costs (including leasing costs) in calculating your system costs and savings?
- ☒ Who will take care of any necessary building or electrical inspections?
- ☒ Who will apply for provincial incentives (if available) and what are the rules for accessing these?
- ☒ Do you need to inform your insurance company about this new addition to your home?



# Glossary of terms

---

**DC** / Electricity with a constant positive polarity, the same type of power produced by a common household battery.

**AC** / Electricity with an alternating polarity, the most commonly used type of power in our homes.

**Kilowatt (kW)** / A measure of how much energy is being produced. Calculated by multiplying the Voltage and Current values of a system.

**Kilowatt peak (kWp)** / Used to describe the energy output capability of a solar electric system under ideal solar energy conditions (e.g., during peak times during the middle of the day).

**Kilowatt hour (kWh)** / The amount of power delivered over a period of one hour.

**Voltage / Volts (V)** / The “pressure” created by electrons flowing through a system—the greater the pressure, the more power can be transported in an electrical wire.

**Ampere / Amps (A)** / The measure of how much electrical energy is flowing in an electrical conducting wire.

**Inverter(s)** / Devices that convert the direct current (DC) electricity generated by the panels into alternating current (AC) for use in your home or for export to the grid.

**Modules** / Individual solar panels that convert sunlight to electricity. Your system will likely be made up of multiple modules.

**Net metering** / An agreement where the local utility company credits you for the surplus power produced by your solar system that is not consumed in your home.

**Grid tie** / A system that is connected to the electrical network. This connection type allows excess power to be sent off site in return for payments/credits from your utility company.

**Off grid** / Solar generation that is not connected to the electricity distribution system; often associated with remote cabins/properties and is typically a seasonal option or requires batteries and/or a generator.

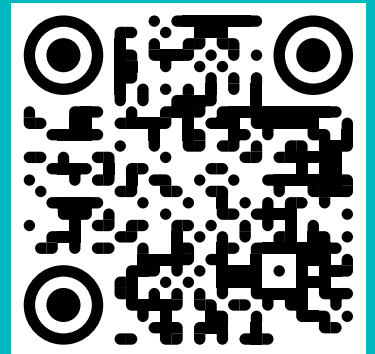




Canadian Renewable  
Energy Association  
CLEAN ENERGY JOBS CANADA

Association canadienne  
de l'énergie renouvelable  
EMPLOIS ÉNERGIE PROPRE CANADA

**Find your next  
great job in clean  
energy here!  
Trouvez votre  
prochain emploi  
dans le domaine de  
l'énergie propre!**



[www.CleanEnergyJobs.ca](http://www.CleanEnergyJobs.ca)



# Member Directory

CanREA's Go Solar Guide includes a directory of solar installers, equipment providers and other services updated every year. At press time (July 2024), it lists 45 solar installers and 14 equipment suppliers and other services, all CanREA members in good standing who have signed the CanREA Member Code of Conduct. The directory is organized alphabetically by company name, includes company addresses and contact information, and indicates the provinces (markets) in which they operate. This makes it easy to find a CanREA member company near you to install your solar PV system!

## CANREA'S SOLAR INSTALLER DIRECTORY

### Aecon Green Energy Solutions

20 Carlson Court  
Etobicoke, ON M9W 7K6  
greenenergysolutions@aecon.com  
855-GRN-NRGY (855-476-6749)

**Markets:** All of Canada

[www.aecon.com/greenenergysolutions](http://www.aecon.com/greenenergysolutions)

### AKA Energy Systems

23 Brook Street, PO Box 577  
Montague, PE C0A 1R0  
sales@aka-group.com  
902-620-4882

**Markets:** Prince Edward Island

[www.aka-group.com](http://www.aka-group.com)

### Appleseed Energy Inc.

1796 Janvrin Harbour Road, RR#1  
West Arichat, NS B0E 3J0  
sales@appleseedenergy.com  
902-227-8220

**Markets:** Nova Scotia

[www.appleseedenergy.com](http://www.appleseedenergy.com)

### ArntjenSolar NA Inc.

113 Winniett Street  
Woodstock, ON N4S 5Z8  
info@arntjensolar.com  
519-913-2346

**Markets:** Ontario

[www.arntjencleanenergy.com](http://www.arntjencleanenergy.com)

### CMI Solar

4560 Eastgate Parkway  
Mississauga, ON L4W 3W6  
info@cmisolar.ca  
888-331-3305

**Markets:** Ontario

[www.cmisolar.ca](http://www.cmisolar.ca)

### Empower Energy Corp.

8718 - 112 Street  
Grande Prairie, AB T8V 5X4  
sales@empowerenergy.ca  
780-532-3610

**Markets:** Alberta (Grande Prairie, Edmonton, Medicine Hat)

[www.empowerenergysolar.ca](http://www.empowerenergysolar.ca)

### Essex Energy Corporation

2199 Blackacre Drive, Suite 200  
Oldcastle, ON N0R 1L0  
info@essexenergy.ca  
519-946-2000

**Markets:** Ontario

[www.essexenergy.ca](http://www.essexenergy.ca)

### EVOLVSolar

4529 - 1 Street SE  
Calgary, AB T2G 2L2  
hello@evolvsolar.com  
403-510-8932

**Markets:** British Columbia, Alberta, Saskatchewan, Manitoba

[www.evolvsolar.com](http://www.evolvsolar.com)

### Execon Roofing and Solar

1104 Des Cerisiers Street  
Rockland, ON K4K 1K9  
mike@execonconstruction.com  
613-882-3525

**Markets:** Ontario

[www.execonconstruction.com](http://www.execonconstruction.com)

### Future West Solar Corp.

2 - 2300 Hunter Road  
Kelowna, BC V1X 6C1  
yes@futurewestsolar.com  
250-733-1189

**Markets:** British Columbia (In the Okanagan: Kelowna, Vernon, Penticton, Kamloops, Peachland, Summerland, Osoyoos, Oliver. In the Fraser Valley: Chilliwack, Abbotsford, Surrey, Coquitlam, Port Coquitlam, Mission, Langley, Maple Ridge.)

[www.futurewestsolar.com](http://www.futurewestsolar.com)

### Generation Solar Renewable Energy Systems Inc.

550 Gilchrist Street  
Peterborough, ON K9H 4N9  
info@generationsolar.com  
705-741-1700

**Markets:** Ontario (Peterborough and East Central Ontario)

[www.generationsolar.com](http://www.generationsolar.com)

### Go Solar Sask Ltd.

150 River Street  
Lumsden, SK S0G 3C0  
info@gosolarsask.ca  
833-727-5757

**Markets:** Saskatchewan

[www.gosolarsask.ca](http://www.gosolarsask.ca)

### Green Integrations Inc.

125 Norfinch Drive, 207  
North York, ON M3N 1W8  
info@greenintegrations.ca  
647-930-4336

**Markets:** Ontario

[www.greenintegrations.ca](http://www.greenintegrations.ca)



**Green Light Power Inc.**

3615 - 1 Street, NW  
Calgary, AB T2K 0W7  
info@greenlightpower.ca  
800-385-6354

**Markets: Alberta**

[www.greenlightpower.ca](http://www.greenlightpower.ca)

**Haliburton Solar + Wind**

1067A Garden Gate Drive  
Haliburton, ON K0M 1S0  
info@haliburtonsolarandwind.com  
705-455-2637

**Markets: Ontario**

[www.haliburtonsolarandwind.com](http://www.haliburtonsolarandwind.com)

**Hanna Energy Inc.**

200 - 980 West First Street  
North Vancouver, BC V7P 3N4  
admin@hannaenergy.ca  
604-330-2200/604-446-1937

**Markets: British Columbia**

[www.hannaenergy.ca](http://www.hannaenergy.ca)

**Hill Green Energy Co., Ltd.**

30 Greenwood Drive, Suite M203  
Summerside, PE C1N 3Y1  
pkang507@gmail.com  
902-786-8285

**Markets: New Brunswick, Nova Scotia, Prince Edward Island**

[www.hillge.ca](http://www.hillge.ca)

**iSolara Energy Services Incorporated**

30 Capital Drive  
Ottawa, ON K2G 0E9  
info@isolara.com  
613-738-2646

**Markets: Ontario**

[www.isolara.com](http://www.isolara.com)

**JAZZ Solar Solutions Inc.**

200 Colonnade Road, Unit 8  
Ottawa, ON K2E 7M1  
jon@jazzsolar.com  
613-288-5299

**Markets: Ontario**

[www.jazzsolar.com](http://www.jazzsolar.com)

**Kajk Constructors Inc.**

46 Grenfell, Unit B  
Nepean, ON K2G 0G4  
info@kajkconstructors.com  
613-869-8254

**Markets: Ontario (Ottawa)**

[www.kajkconstructors.com](http://www.kajkconstructors.com)

**Kuby Renewable Energy Ltd.**

4605 - 92 Avenue NW  
Edmonton, AB T6B 2J4  
shaun.m@kubyenergy.ca  
780-340-5829

**Markets: Alberta**

[www.kubyenergy.ca](http://www.kubyenergy.ca)

**MAG Solar**

101 - 7261 River Place  
Mission, BC V4S 0A2  
info@magsolar.ca  
604-723-1222

**Markets: Alberta (Calgary) and British Columbia (Greater Vancouver, Fraser Valley, Okanagan, Interior, Vancouver Island)**

[www.magsolar.ca](http://www.magsolar.ca)

**miEnergy**

801-57th Street E  
Saskatoon, SK S7K 5Z2  
info@mienergy.ca  
877-539-4448

**Markets: Alberta, Manitoba, Saskatchewan**

[www.mienergy.ca](http://www.mienergy.ca)

**Moji-Fast Technology Ltd.**

3 Bendella Drive  
Charlottetown, PE C1E 2L1  
mojifasttech@gmail.com  
902-208-0102

**Markets: Prince Edward Island**

[www.moji-fast.ca](http://www.moji-fast.ca)

**Okanagan Solar Ltd.**

7281 Fintry Delta Road  
Kelowna, BC V1Z 3V1  
info@oksolarhomes.com  
250-801-9464

**Markets: British Columbia**

[www.oksolarhomes.com](http://www.oksolarhomes.com)

**Otter Energy Inc.**

2H - 206 Main Street W  
Picton, ON K0K 2T0  
info@otterenergy.com  
613-961-9745

**Markets: Ontario**

[www.otterenergy.com](http://www.otterenergy.com)

**Penfolds Roofing and Solar**

2230 Hartley Ave  
Coquitlam, BC V3K 6X3  
info@penfoldsroofing.com  
877-252-2007

**Markets: British Columbia**

[www.penfoldsroofing.com/solar-pa-nels-vancouver](http://www.penfoldsroofing.com/solar-pa-nels-vancouver)

**Polaron Energy Corp.**

3761 Victoria Park Avenue, Unit 9  
Scarborough, ON M1W 3S2  
sales@polaronsolar.com  
888-318-1988

**Markets: Alberta, British Columbia, Nova Scotia, Ontario, Prince Edward Island**

[www.polaronsolar.com](http://www.polaronsolar.com)

**Powertec Solar**

1433 Erin Street  
Winnipeg, MB R3E 2S9  
info@powertecsolar.ca  
855-776-9371

**Markets: Manitoba, Northwest Ontario, Nunavut, Saskatchewan**

[www.powertecsolar.ca](http://www.powertecsolar.ca)

**Quantum Renewable Energy Inc.**

139 Joseph Street  
Kingston, ON K7K 2H8  
info@quantumenergy.ca  
613-546-2326

**Markets: Ontario (Kingston +100km)**

[www.quantumenergy.ca](http://www.quantumenergy.ca)

**Ready Solar**

7625 Sapperton Avenue  
Burnaby, BC V3N 4C9  
info@readysolar.ca  
604-781-3435

**Markets: British Columbia**

[www.readysolar.ca](http://www.readysolar.ca)

**Riverside Energy Systems**

#24 - 1425 Cariboo Place  
Kamloops, BC V2C 5Z3  
info@riversideenergy.ca  
250-578-0620

**Markets: British Columbia**

[www.riversideenergy.ca](http://www.riversideenergy.ca)

**Rock Paper Sun Ltd.**

422 - 44th Street E  
Saskatoon, SK S7K 0W1  
info@rockpapersun.com  
306-290-1875

**Markets: Saskatchewan**

[www.rockpapersun.com](http://www.rockpapersun.com)

**Rocky Mountain Solar Corp.**

3645 - 48 Avenue SE  
Calgary, AB T2B 3N8  
info@rmsolar.ca  
403-226-1745

**Markets: Alberta (Calgary +200km)**

[www.rmsolar.ca](http://www.rmsolar.ca)



### Shift

205-2657 Wilfert Road  
Victoria, BC V9B 5Z3  
info@shift.ca  
844-507-4438

**Markets:** Alberta, British Columbia,  
Ontario, Nova Scotia, New Brunswick  
[www.shift.ca](http://www.shift.ca)

### SkyFire Energy Inc.

4038A - 7 Street SE  
Calgary, AB T2G 2Y8  
info@skyfireenergy.com  
403-251-0668

**Markets:** Alberta (Calgary, Edmonton),  
Kelowna, serve all of Western Canada  
[www.skyfireenergy.com](http://www.skyfireenergy.com)

### Solar Optix Energy Services (Neu-Lite)

1320 - 36 Street N  
Lethbridge, AB T1H 5H8  
info@solaroptix.ca  
403-327-7711 ext. 110

**Markets:** Alberta  
[www.neu-lite.com/solar-optix-energy-services](http://www.neu-lite.com/solar-optix-energy-services)

### Solar YYC

3915 - 8 Street SE  
Calgary, AB T2G 3A5  
info@solaryyc.ca  
587-296-7375

**Markets:** Alberta  
[www.solaryyc.ca](http://www.solaryyc.ca)

### Solera Sustainable Energies Company Limited

9 Codeco Court  
Toronto, ON M3A 1A1  
gogreen@soleraenergies.com  
905-421-0430

**Markets:** Ontario  
[www.soleraenergies.com](http://www.soleraenergies.com)

### Solos Energy

24 - 1835 Nancee Way Court  
West Kelowna, BC V1Z 4C1  
info@solosenergy.ca  
250-258-8344

**Markets:** British Columbia  
[www.solosenergy.ca](http://www.solosenergy.ca)

### Terralta Inc.

557 - 18th Street SW  
Medicine Hat, AB T1A 8C4  
laura@terralta.ca  
403-488-0404

**Markets:** Alberta  
[www.terralta.ca](http://www.terralta.ca)

### The Smart Energy Company

135 Palmer Brook Road  
Quispamsis, NB E2G 2A9  
info@thesmartenergycompany.ca  
888-994-8786

**Markets:** New Brunswick,  
Newfoundland, Nova Scotia,  
Ontario, Prince Edward Island  
[www.thesmartenergycompany.ca](http://www.thesmartenergycompany.ca)

### Toews Power Inc.

42507 Kirkton Road  
Kirkton, ON N0K 1K0  
ken@toewspower.com  
519-229-6108

**Markets:** Ontario  
[www.toewspower.com](http://www.toewspower.com)

### Toronto Green Builders

347 Sorauren Avenue, Unit 121  
Toronto, ON M6R 2G5  
scott@torontogreenbuilders.ca  
647-991-3903

**Markets:** Ontario (GTA, Collingwood,  
Barrie, Parry Sound, Muskoka, & The  
Kawarthas)  
[www.torontogreenbuilders.ca](http://www.torontogreenbuilders.ca)

### Zeno Renewables

100 - 7909 Flint Road SE  
Calgary, AB T2H 1G3  
info@livezeno.com  
888-901-2792

**Markets:** Alberta  
[www.livezeno.com](http://www.livezeno.com)

## EQUIPMENT SUPPLIERS AND OTHER SERVICES

### BayWa r.e. Solar Systems Inc.

4703 - 101 Street  
Edmonton, AB T6E 5C6  
solar@baywa-re.ca  
844-851-2390

**Markets:** All of Canada  
<https://solar-distribution.baywa-re.ca/en/>

### Bullfrog Power Inc.

30 St. Patrick Street, Suite 600  
Toronto, ON M5T 3A3  
info@bullfrogpower.com  
877-360-3464

**Markets:** All of Canada  
[www.bullfrogpower.com](http://www.bullfrogpower.com)

### Charge Solar

3330 Tennyson Avenue  
Victoria, BC V8Z 3P3  
info@chargesolar.com  
866-258-0110

**Markets:** All of Canada  
[www.chargesolar.com](http://www.chargesolar.com)

### Core Renewable Energy Inc.

Winnipeg, MB  
info@coreenergy.ca  
**Markets:** All of Canada  
[www.coreenergy.ca](http://www.coreenergy.ca)

### Frankensolar Americas Inc.

3-165 Sun Pac Boulevard  
Brampton, ON L6S 5Z6  
admin@frankensolar.ca  
289-276-5279

**Markets:** All of Canada  
[www.frankensolar.ca](http://www.frankensolar.ca)

### Fronius Canada Ltd

2875 Argentia Road, Units 3-6  
Mississauga, ON L5N 8G6  
sales.canada@fronius.com  
905-288-2100

**Markets:** All of Canada  
[www.fronius.com/en-ca/canada/solar-energy/home-owners](http://www.fronius.com/en-ca/canada/solar-energy/home-owners)

### GoodWe USA Inc.

16075 E 32nd Avenue, #A  
Aurora, CO 80011  
salesna@goodwe.com  
925-304-3430

**Markets:** All of Canada  
[www.us.goodwe.com](http://www.us.goodwe.com)





**GPSI Solar**

131 Sheldon Drive, Unit 22  
Cambridge, ON N1R 6S2  
info@gpsi.ca  
519-654-9649

**Markets:** All of Canada

[www.gpsi.solar](http://www.gpsi.solar)

**hb Solar International Inc.**

244 Montrose Street, Unit 6  
Cambridge, ON N3H 2H7  
info@hbsolar.ca  
519-653-0889

**Markets:** All of Canada

[www.hbsolar.ca](http://www.hbsolar.ca)

**Heliene Inc.**

520 Allen's Side Road  
Sault Ste. Marie, ON P6A 5K8  
sales@heliene.com  
218-288-1900 ext. 104

**Markets:** All of Canada

[www.heliene.com](http://www.heliene.com)

**JA Solar**

2570 N. First Street, Suite 360  
San Jose, CA 95131  
info.us@jasolar.com  
408-586-0000

**Markets:** All of Canada

[www.jasolar.com](http://www.jasolar.com)

**LH Solar Inc.**

155 Shields Court  
Markham, ON L3R 9T5  
Info@lhsolar.ca  
289-859-5011

**Markets:** Ontario

[www.lhsolar.ca](http://www.lhsolar.ca)

**LONGi Solar**

3000 Executive Pkwy Ste 375  
San Ramon, CA 94583  
Market@longi.com  
86-4008-601012

**Markets:** All of Canada

[www.longi.com/us/](http://www.longi.com/us/)

**Rematek Énergie Inc.**

8975 boul. Henri-Bourassa O.  
St. Laurent, QC H4S 1P7  
sales@rematek-energy.com  
514-333-6414

**Markets:** All of Canada

[www.rematek-energie.com](http://www.rematek-energie.com)







## DISCLAIMER

*The material contained within this Guide is provided for general information purposes only and is not legal advice or commercial advice. This Guide is not intended to be relied upon as professional or expert advice or opinion. No person should act on information contained in this Guide, or any hyperlinks from this Guide, without professional advice or sufficient knowledge and experience.*

*While CanREA takes reasonable efforts to provide accurate information, CanREA does not warrant or guarantee the accuracy, currency or completeness of information contained in this Guide, or that it can or will be updated on a timely basis with applicable legal and industry changes. CanREA makes no warranties, expressed or implied, regarding any products or services provided by any person, including without limitation, implied warranties or conditions of merchantability, fitness for a particular purpose, or non-infringement of intellectual property or other violation of rights, to the fullest extent permitted by law.*

*Nothing in this Guide constitutes any guarantee or endorsement from CanREA of any particular installer, manufacturer or supplier listed herein. As always, like with any industry and any purchase, due diligence and research is required to determine what terms, conditions and warranties may or may not be available to you if developing a project, buying a system from any company, or allowing a system to be installed on your roof or your property. CanREA recommends you conduct your own due diligence and seek professional advice, opinions and recommendations before purchasing any equipment, hiring any installer, contracting with any company, or signing any contract with respect to solar energy production, hosting, or sale.*

*CanREA does not warrant or make any representations concerning the accuracy, likely results or reliability of the use of the materials, or otherwise relating to such materials on our website or on any sites linked to from CanREA's website. CanREA assumes no liability or responsibility for any errors or omissions in the content of this material and alerts you that information, pricing, programs, laws and policies can and will change over time.*

*The solar power production industry in Canada, particularly at the residential and small business level, is in a steady state of evolution and development, and all interested homeowners and property owners should familiarize themselves with current programs, offerings, pricing, financing, credits and/or rebates available in their local area. All information should be checked at each applicable time against official sources and applicable law before being relied on for commercial purposes. It is your responsibility to ensure that any project, system, or installation you participate in complies with applicable law and regulatory requirements in your jurisdiction.*

*Use of information contained in this Guide is at your own risk. CanREA cannot guarantee or warrant that any digital edition or website links will be free of errors or omissions, or free from viruses or other harmful components. The website and digital edition are provided on an as-is, as-available, basis without representation of any kind express or implied.*

*In no event or circumstance shall CanREA or its members, directors, officers, or employees be liable for any loss, expenses, costs, or damages whatsoever (including loss of business, profits, programs, data, information, missed application deadlines or opportunities), or any incomplete or information related to programs, criteria, regulatory requirements, laws or policies, whether direct, indirect, incidental, punitive, special, exemplary, consequential or otherwise arising from this Guide or any information contained herein or omitted from this Guide.*

*CanREA reserves the right to make additions, deletions or modifications to the information or materials on this document at any time and in any way without notice. You assume full responsibility and all risks arising from your access and use of this information.*



# Thank You

CanREA wishes to thank all its members for their support!

## INDUSTRY LEADER MEMBERS



## TERAWATT MEMBERS





# Thank You

3S Lift Americas	ComAp	Go Solar Sask Ltd.
ABO Energy Canada Ltd.	Communica Public Affairs Inc.	Goldbeck Solar Canada Corp.
Acestes Power	Compass Renewable Energy Consulting	Goldwind USA Inc.
Activa Environnement Inc	Composite Power Group Inc.	GoodWe USA Inc
AECON Group Inc.	Concord Green Energy	Gowling WLG (Canada) LLP
Agrivoltaics	Connor, Clark & Lunn Infrastructure	GPSI Solar
Akamihk Energy Inc	Cordelio Power	Gransolar Development Canada Inc.
Alltrade Industrial Contractors	Core Renewable Energy Inc.	Graybar Canada
Altus Group Limited	Cunningham Swan Carty Little & Bonham LLP	Green Integrations Inc.
Amazon Web Services (AWS)	CWP Energy	Green Light Power Inc.
American Wire Group	Davies Ward Phillips & Vineberg LLP	Greengate Power Corporation
AMSOIL INC.	Dentons Canada LLP	Greenplanet Energy Analytics Ltd.
AON	DLA Piper (Canada) LLP	Greenwood Sustainable Infrastructure
Appleseed Energy Inc.	Domino High Voltage Supply	Groupe Consertek LM
ARC Financial Corp.	DP Energy Canada Limited	Haliburton Solar & Wind
ArntjenSolar NA Inc. (ACES)	Dunsky Energy + Climate Advisors	Hammond Power Solutions
Arup Canada Inc.	Ebert Welding Limited	Hanna Energy Inc.
Aspin Kemp & Associates Inc.	Ecoener	Hatch
Atlantica Canada	EDI Environmental Dynamics Inc.	HB Solar International Inc.
Ausenco	Egis	Heliene Inc.
Avertex Utility Solutions Inc.	Elemental Energy Renewables Inc.	HEP Energy Canada Ltd.
Aviva Canada Inc.	Empower Energy Corp.	Hill Green Energy Co., Ltd.
Axiom Infrastructure Canada II Limited Partnership	Enel Green Power Canada Inc.	Hoymiles Power Electronics Inc.
Bandit Energy Services	Enercon Canada Inc.	Hub International
BayWa r.e. Solar Systems Inc.	Énergir	Hydro Québec
BBA Inc.	Energy Safety Canada	Hydromega Services Inc.
Bennett Jones LLP	Enfinite	Iconic Power Systems Inc.
BFL Canada	Enlightened Clean Energy Canada Inc.	Idéa Contrôle Inc.
Bird Construction Industrial Services Ltd.	ENMAX Energy	Innagreen Investments
Blake, Cassels & Graydon LLP	Eolectric Development Inc	Intact Insurance
Blaklader Workwear Canada Inc.	Essex Energy Corporation	Integrated Power Services
Borden Ladner Gervais LLP	EVLO	iSolara Energy Services Incorporated
Borea Construction ULC	Evolugen	J.L. Richards & Associates Limited
Bullfrog Power Inc	EVOLVsolar	JA Solar
Canada Crane - Sarens	Execon Roofing and Solar	JAZZ Solar Solutions Inc.
Canadian Power Holdings Inc.	Fasken	Joss Wind Power Inc.
Canadian Solar's e-STORAGE	FCDQ Desjardins	Kajk Constructors Inc
Capital Power	Fluent Solar	Kiwetinhok Energy Corp.
Carr Renewables	FM Global	Kuby Renewable Energy Ltd.
Cassels Brock & Blackwell LLP	FortisAlberta Inc.	LandSolutions Inc.
Castrol Industrial North America Inc.	Frankensolar Americas Inc	Leidos Engineering, LLC
Challenger Geomatics Ltd.	Fronius Canada Ltd	Lh Solar Inc.
Charge Solar	Future West Solar Corp.	LONGi Solar Technology (U.S.) Inc.
Chinodin Wind Power	Gallager (Arthur J Gallagher Canada Ltd.)	Longyuan Canada Renewables Ltd.
Chubb Insurance Company of Canada	Ganex Inc.	MAG Solar
CIMA+	GBG Solar Inc.	Marathon Capital
City of Medicine Hat	Generation Solar Renewable Energy Systems Inc.	Marmen Inc.
City of Toronto	Glooscap Energy	Marsh Canada Limited
Clem Geo-Energy Corp.	GME Supply/TEAM-1 Academy	Matrix Solutions Inc.
CMI Solar		Maxim Power Corp.
		McCallum Environmental Ltd.
		McCarthy Tetrault LLP
		McElhanney Ltd



# Thank You

McLarens Canada  
Métis Nation of Alberta  
Mi'gmaewi Mawiyomi Business Corporation  
miEnergy  
Miller Thomson LLP  
Minogi Corp.  
MNPA (Metis Nation Power Authority)  
Moji-Fast Technology Ltd.  
Morrison Hershfield Limited  
Mott MacDonald Canada  
Mytilineos Renewables  
Natural Forces  
Natural Resource Solutions Inc.  
Neoen  
Nergica  
Nexans Canada Inc.  
Nigig Power Corporation  
Norden Energy  
Nordex USA, Inc.  
Nova Scotia Power  
Nuance Energy Group Inc.  
Okanagan Solar Ltd.  
Osler, Hoskin & Harcourt LLP  
Otter Energy  
Oxford Properties Group  
PACE Canada LP  
Panasonic  
PCL Solar Constructors Canada Inc.  
Penfolds Roofing and Solar  
PESCA Environnement  
Peterborough Utilities Inc.  
Polar Racking Inc.  
Polaron Energy Corp.  
Power Advisory LLC  
Powertec Solar  
Prairie Sky Strategy  
Prince Edward Island Energy Corporation  
Procido LLP  
Prowind Inc.  
Quanta Canada Renewables  
Quantum Renewable Energy Inc.  
Quest  
Rabobank  
Rankin Construction Inc.  
Ready Solar  
reconcept RE Canada Ltd.  
Rematek Énergie Inc.  
Renewa  
RESCo Energy Inc.  
Revolve Renewable Power Corp.

Rising Edge Group  
Riverside Energy Systems  
Rock Paper Sun Ltd.  
Rocky Mountain Solar Corp.  
Roswall Development Inc.  
RWE Renewables Canada Ltd.  
Samsung Renewable Energy Inc.  
SaskPower  
Scale Cleantech Inc.  
Select Elevator Solutions Inc.  
Selkirk Advisory Group Inc.  
SFM Wind  
Shell Canada Limited  
Sherwood Electromotion Inc.  
Shift Energy Group  
Similan Consulting Inc.  
Six Nations of the Grand River Development Corporation  
SkyFire Energy Inc.  
Skyline Clean Energy  
SLR Consulting (Canada) Ltd.  
Solar Optix Energy Services (Neu-Lite)  
Solar YYC  
SolarOptim Ltd.  
Solas Energy Consulting Inc.  
Solera Sustainable Energies Company Limited  
Solos Energy  
Spark Power Corp.  
Stantec  
Starlight Energy LP  
Stewart McKelvey  
Stikeman Elliott LLP  
Stonebridge Financial Corporation  
Summit, An Earth Services Company  
SunGrid Solutions  
Superior Wind Solutions/RNWBL Canada  
Surerus Murphy Joint Venture  
Sustainable Energy Platforms Inc.  
Suzhou Talesun Solar Technologies Co., Ltd.  
SWEB Development LP  
SWOH Energy Supply  
Synergy Land Services  
TACT Intelligence - Conseil  
TC Energy (TransCanada)  
Technostrobe  
Terralta Inc.  
Tetra Tech  
The Smart Energy Company  
TIU Canada

Toews Power Inc.  
Tomorrow's Solutions Inc.  
Toronto Green Builders  
Toronto Hydro  
Torys LLP  
TotalEnergies Marketing Services Inc.  
TransAlta Corporation  
Trec SolarShare Co-operative  
TriSummit Utilities Inc./Bear Mountain  
Tundra Technical Solutions  
Universal Kraft  
Valard Construction  
Vancity Community Investment Bank (VCIB)  
Vector Construction  
Vortex Fdc Inc.  
Westbridge Renewable Energy Corp.  
Williams Form Hardware & Rockbolt  
Wind Energy Institute Of Canada  
Winergy  
World Energy GH2  
WPD Canada  
WSP Canada Inc.  
Zeno Renewables

*\*Note that this CanREA member list is current as of April 2024. Please check the member directory on [renewablesassociation.ca](https://renewablesassociation.ca) for current listing.*





Electricity  
Transformation  
Canada

Transformation  
Électrique  
Canada

**OCTOBER 21-23, 2024 | CALGARY, ALBERTA**



ORGANIZED BY



Canadian Renewable  
Energy Association  
WIND · SOLAR · STORAGE

Association canadienne  
de l'énergie renouvelable  
ÉOLIEN · SOLAIRE · STOCKAGE



ITALIAN  
EXHIBITION  
GROUP  
Providing the future



Deutsche Messe

**Join conversations** with industry buyers, suppliers, distributors, consultants, and more to explore solutions, exchange ideas, and discover new technologies within the industry.

**REGISTER NOW | [ELECTRICITY-TRANSFORMATION.CA](https://electricity-transformation.ca)**





Canadian Renewable  
Energy Association

WIND. SOLAR. STORAGE.

Association canadienne  
de l'énergie renouvelable

ÉOLIEN. SOLAIRE. STOCKAGE.

# Go Solar Guide 2024

---

July 2024 edition. All rights reserved.

© 2024 Canadian Renewable Energy Association

[www.renewablesassociation.ca](http://www.renewablesassociation.ca)

