

LIMITLESS LIFESTYLE



Be a leader, become a

Green Power Innovator

Matrix Energy Inc. is looking for *Green Power Innovators* who would consider installing photovoltaic (solar electric) systems on their residences or businesses to generate electricity. As a *Green Power Innovator* you'll be amongst the very select group of individuals that is leading us towards a new, environmentally friendly means of providing for our growing energy demands.

Our objectives:

- To familiarize the public as well as private utilities of the simplicity and potential of solar electric power
- To establish the interconnection standards with the utilities to facilitate future systems
- To showcase solar electric technology to others

Your benefits:

- Energy Independence
- Reduction of Greenhouse Gas emissions
- Pride of ownership

Whereas utilities in the US, Germany and Japan for example offer residential solar incentives, Canadian utilities do not. And despite our rank as the second largest per capita users of energy in the world, Canada sadly lags all other G7 countries in R & D spending on renewable technology. Yet,

solar energy does offer promise! In widespread application, photovoltaic systems offer a very real, practical and cost effective means of generating electricity.

Here are some interesting facts

- Each day more solar energy falls on Earth than the total amount of energy our world's 5.9 billion population would consume in 27 years (based on 1995 levels).
- Photovoltaic modules recover their environmental and recycling costs within eighteen months of their use.
- Over its lifetime, a 50 watt solar module operating in Canada will produce more than 5 MWh of power.
- Photovoltaic modules covering less than 0.3% of the land in the United States, equivalent to 25% of the area currently occupied by railroads, could provide all of the electrical power required by the United States.
- A 1kWp PV system will prevent 136 kgs of CO₂ from entering the atmosphere each month.

So how can you get started?

While there are no government programs available for residential installations, Matrix is ready to help you get started with uncomplicated "ready to go" systems, technical know-how and financial support of our own.

We have two standard packages available

A **Grid-Tie** system that continuously feeds excess power back to your Utility during the day. This modular system starts with a 600 watt solar array and 1.5 kW inverter.



You can easily add a second solar array to double the system's output at any time.

Our **Standby-Grid-Tie** package will not only allow you to feed power back into the grid, but it will also offer you the security of back-up power in the event of a power failure. During the day the solar array will feed any excess power you produce back to your Utility while during a black-out the system's battery bank will provide the electricity to run various loads from furnaces, and refrigerators in the home to lighting, phone and computer systems for businesses. Like the Grid-Tie system this package is modular starting with a 600 watt solar array, 10 kWh battery bank and 4.0 kW inverter. You may add more solar modules at a later time to increase the power you can produce.

With either system we'll supply you with the engineering documents you'll need for Code compliance and we'll work with you and your Utility to smooth out the process from inception to installation. You'll need to cover costs of any building permits, installation charges and contract with a local electrician or solar contractor for the electrical permit

In exchange for providing you with one of our grid-tie solar systems at a discounted price, we'll ask that you allow us to use your system for performance monitoring and to include your project as a show case for others wanting to have their own installation.

Be a Leader and become the first in your neighbourhood with one of our Green Power systems.

Call today to get things started.



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