



Solar energy st john s

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Despite Newfoundland and Labrador being behind some other provinces in Canada in terms of amount of sunlight received it's still a suitable place for solar with new breakthroughs in solar technology. An average solar power installation in St. John's will produce approximately 936 kWh for every 1KW of solar power installed. New solar technology has ensured that solar installations can reach their baseline production even in unfavorable sunlight conditions.

Newfoundland and Labrador has recently approved a rate increase that started this July 2024. Rates will increase between 3.4% and 6.7% for residential customers. This is expected to continue until 2030. The more you pay for electricity - the more you benefit by going solar. Choosing solar energy allows you to save money by avoiding these high electricity rates. With energy prices expected to rise through at least 2030, going solar protects you from increasing costs by generating your own power.

Your solar system will connect to the grid in St. John's via the Net-Metering program. Excess energy you produce is credited by your power company at the retail electricity rate, balancing out your usage across day and night, as well as summer and winter months. These credits expire yearly so it's important that your system is sized based on yearly usage. Expected increases in the costs of electricity in St. John's and the Net-Metering program in Newfoundland and Labrador make it a great place for solar.

This page contains all relevant information about installing solar in Newfoundland and Labrador including utility policies, system financing, solar incentives, and natural factors; updated as of Sep 9, 2023.

You can calculate your annual energy by adding up the amount shown for 12 consecutive months. Don't make the mistake of multiplying a single month by 12; usage fluctuates greatly depending on the season.

For example, let's pretend that you added up your power bills and determined that you use 10,000kWh over the course of a year. You would then do the above calculation and determine that you need a 10.54kW solar panel system!

Most residential homeowners in Newfoundland and Labrador put solar panels on their roof. Rural property owners put systems on the roof of their house or shop; or on the ground in their yard.

The last piece of basic information that you'll want to know is an approximation of how much your system will cost. To calculate this, you just need to know the size of the system in units of kW.

Every year, we score every province and territory in Canada on the relative feasibility of installing a solar power system. This year, Newfoundland and Labrador scores #13, receiving a total score of 50/100.



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Newfoundland and Labrador does not currently have any solar incentive programs. These factors are important because they reduce the upfront system costs. We've scored Newfoundland and Labrador 4/20 for this section.

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