

Green Energy: A Resource Guide

The Conservation Council of New Brunswick would like to help you make informed choices about the energy you use. We've created a series of fact sheets and videos to answer these and other questions. Our goal is get you the information you need to make decisions about the right energy choice for you.

Conservation Council of New Brunswick



Climate & Energy

Looking for quick information on climate change or renewable energy? Check out these resources!

NB Power



Smart Habits Program

Smart Habits has a series of tools and advice to help you find ways to waste less energy and lower your bills:



Home Energy Report

The **home energy report** provides detailed information about your energy use, including a comparison with similar homes in your area, and offers customized energy saving tips. You need a NB Power account to sign in to the portal.



Home Insulation Energy Savings

This program provides information and incentives to help homeowners reduce energy consumption through targeted air sealing and insulation upgrades.



Rebates

The rebate page explains how to save on products designed to reduce electricity use and save money.



Energy Saving Advice

Small changes can make a big difference on your electricity bill. Here you will find tips on saving energy through sealing and insulating your home, and ways to reduce costs associated with appliances, lighting, home heating and cooling, and hot water use.



Tools and Resources

Different appliances use different amounts of electricity. This website will help you calculate your use and find ways to save. It includes an appliance energy calculator and explains the appliance meter-lending program.



Beat the Peak

Cold winter mornings and evenings lead most people to increase their power use at the same time. This link provides tips on how to "beat the peak" power load and save energy.



Low-Income Energy Savings Program

The **Low-Income Energy Savings Program** targets homes in need of major energy efficiency upgrades, especially insulation and air sealing. Participants are placed on a waiting list and are chosen based on household income and their home's energy efficiency needs.



Net Metering

The NB Power **Net Metering program** allows customers to connect their own renewable energy unit to NB Power's distribution system. Find out if you qualify, and read case studies from people and groups using the program.

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Renewables NB

This online centre promotes energy efficiency and renewable technologies throughout New Brunswick.



Energy efficiency



Solar Power



Bioenergy



Hydro Power



Geothermal



Wind Power



Events

Find renewable energy and energy efficiency-related workshops, conferences, and other events.



Directory

Learn about companies in New Brunswick that can help you determine the type of renewable energy that works best for you.



Case Studies

Before installing a renewable energy system, you should consider the amount of energy you use now, the type of renewable resources you have, and how much it will cost to install a system – all questions this site will help answer. Case studies describe the experiences of people with renewable energy systems.

Government of New Brunswick
Department of Energy & Resource Development



Renewable Resources

The province is committed to increasing electricity produced from new renewable sources to 40 percent by 2020, from the current 28 percent. This site explores renewable energy from water, wind, solar, biomass and geothermal sources.



Community Renewable Energy

Locally Owned Renewable Energy Projects that are Small Scale (LORESS) is a program integrating small-scale renewable energy projects into the provincial power grid. This site includes a Frequently Asked Question section explaining the program.



Resource Maps

Here you will find maps showing the areas in New Brunswick best-suited for different renewable energy technologies (solar, wind, hydro and biomass).

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Natural Resources Canada



Renewables

This federal government site offers a broad overview of renewable energy issues with specific insights into Canadian options.



Energy Efficiency

Find details on how to use energy more effectively through the ENERGY STAR rating system, energy efficient products, and improved energy efficiency in communities and infrastructure, housing, buildings, industry and transportation.



HOT2XP

This fast, simple residential energy analysis software allows you to enter limited information about your home and characterizes your energy consumption.



PV Perform Mod

This software tool predicts the electricity output of a photovoltaic system (solar power), detects faults and evaluates system performance.

Home Energy Solutions (HESPV, Canadian Solar Installer)



Grid-Tied FAQ

This site explored the details of how a solar system connected to the provincial electricity grid works, and answers some frequently asked questions about these systems.



Off-Grid FAQ

Learn more about self-contained solar systems that aren't connected to the provincial electricity grid and answers some frequently asked questions about these systems.



The 2017 Case for Residential Solar in Canada

This blog post explains net-metering and shows how to calculate the cost of solar electricity in Canada.



Energy Saving Tips

These tips will help you conserve energy around the house and save money.



Residential Guides

These guides explain:

- Smart power bars
- Programmable thermostats
- Hot water heating
- Comparing quotes for insulation, windows and doors.



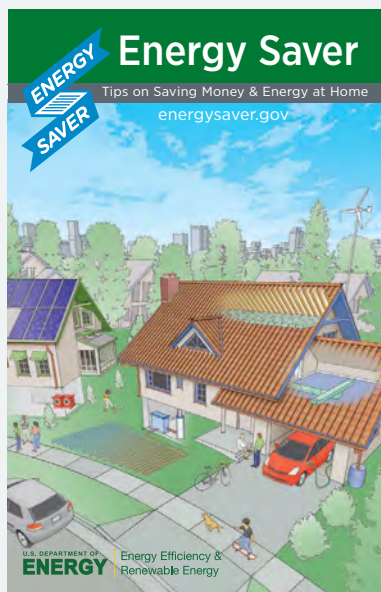
Residential Videos

Energy efficiency is the cheapest, greenest fuel. These videos explain energy efficiency and renewable energy.



Useful Tools



Here you will find a list of tools, including apps and calculators, showing where you can save energy and money in your home.



The Energy Saver e-Book includes each of the different sections listed above in a PDF eBook format.



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