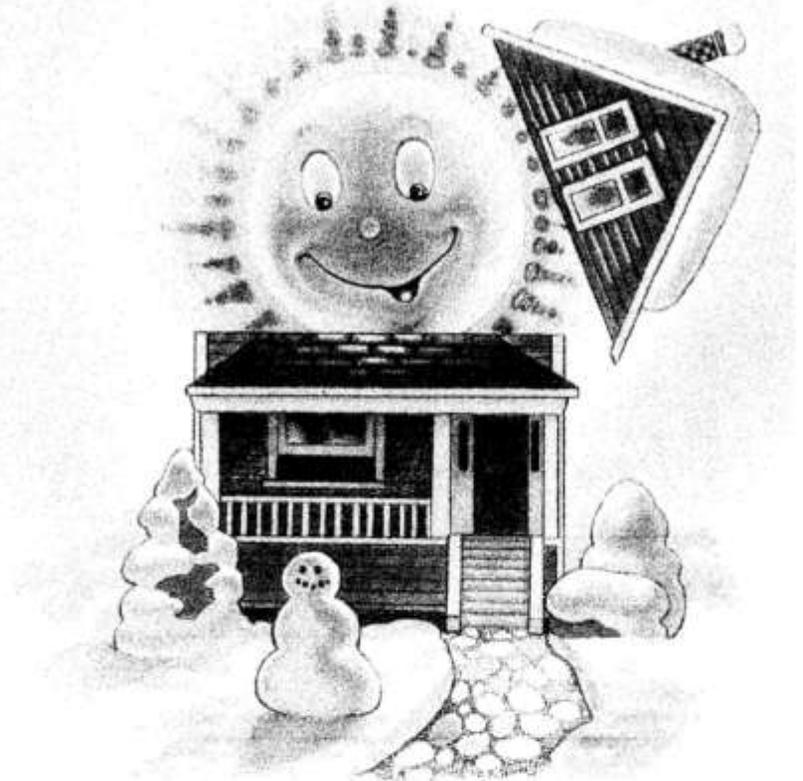


Q: How can
B.C. Hydro
help you put
summer into
your home
this winter?

**POWER
SMART
HOME**
Improvements



**POWER
SMART**

BC Hydro

Power Smart is our program to help all British Columbians become energy-efficient. By trimming energy waste at home, you save electricity and put money in your pocket, too. From energy-efficient lamps to energy-saving refrigerators to low-flow shower heads, there are Power Smart programs for every area of your home.

Power Smart is part of a new attitude about energy, an attitude that values efficiency and the wise use of our province's energy resources. And there's another benefit: By deferring the need for new generating projects, we all help the environment.

A: With
Power Smart
Home
Improvements,
the program
for all seasons.

When the temperature falls outside, does winter make its presence felt inside your home with chilling drafts? And during the summer, is your home uncomfortably warm? If so, your house needs to be made more energy-efficient — and B.C. Hydro's Power Smart Home Improvements program for electrically heated homes can help.

We'll help you carry out measures that will make your home Power Smart. Your family will enjoy increased comfort all year round, and save money, too.

Here's how it works.

A B.C. Hydro energy auditor will call at your home and, using a portable computer, do a free, on-the-spot energy audit of your house. It covers drafts, ventilation, insulation, windows and doors, and energy controls.

An immediate copy of the report will then be produced in your home for your consideration. The B.C. Hydro auditor will show you just how effectively your home can be made Power Smart.

The auditor arranges for two Hydro-registered contractors to bid on the Power Smart renovations. If you decide to go ahead with the improvements, you choose a contractor, and the work begins.



Low-cost financing plan

The Power Smart Home Improvements program offers homeowners with approved credit a financial package worth up to \$5,000. Hydro will give you a grant of 20% of the total cost, to a maximum of \$1,000, and provide you a loan on the balance of up to \$4,000.

The loan is repayable over a period of 5 years at the low interest rate of 5%. Repayments are conveniently handled on your Hydro bill.

Your assurance of quality

All Power Smart Home Improvements work is completed to high program standards and is monitored by the B.C.Hydro energy auditor.

At the end you'll have a home with greater comfort, improved air quality, enhanced resale value and lower energy consumption – a Power Smart home.

Let B.C.Hydro put summer into your home...the Power Smart way

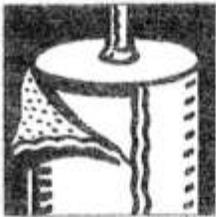
For more information or to find out if the Power Smart Home Improvements program is available in your area, please call 293-7777 in the Lower Mainland or 1-800-663-0431 in the rest of the province.

To qualify

- The home must be electrically heated.
- The home must have been built before 1986.
- You must be the owner and have approved credit.
- Program available in selected areas only.

Free & Easy

ENERGY SAVINGS KIT



Insulating blanket for hot water tank



Water pipe insulation



Energy-saving showerhead



Faucet aerators

Congratulations! You've just had Free and Easy Energy Savers installed in your home. These products are Power Smart – they'll make your home more comfortable and save you money and electricity.

Your Free and Easy Energy Savers should be trouble-free and simple to use. In the future, if they need to be replaced, you may find these items at your local do-it-yourself retail store.

Please take a few minutes to read the information below. It will tell you how to operate and maintain the products for maximum efficiency.

Insulating blanket for hot water tank

The insulating blanket reflects and retains up to 97 per cent of the radiant heat loss from your tank. The blanket can save up to 500 kilowatt-hours of electricity a year – worth about \$25 in water heating costs.

If you notice staining on the blanket or leaking from the tank, contact your plumbing contractor.

Water pipe insulation

Wrapping the pipes leading to and from your water heater will save you electricity and money.

If you notice any staining or leakage around the pipe insulation, contact your plumber.

Energy-saving showerhead

This Power Smart item can reduce the amount of water used by almost half, without affecting the quality of the shower. So you're saving not only water, but electricity too. And you'll get just as clean.

In areas with heavy sediment in the water, it's a good idea to clean the spray slots periodically. Here's how:

- 1 Unscrew the middle section and remove it from the showerhead assembly.
- 2 Rinse it thoroughly to remove sediment from the spray slots.
- 3 When replacing the section, make sure the large black rubber o-ring is in place around the outside lip of the black plastic screw thread, and that the white control plate is nested in the handle.
- 4 You may use pliers to tighten the unit. If you do, use a soft cloth to protect the showerhead finish. And be sure to tighten it only as much as necessary to prevent leaking. Over-tightening may break or strip the threads.

Faucet aerators

The aerators that have been installed in your kitchen and bathroom faucets can reduce the amount of hot water used in sinks by up to 40 per cent – and you'll never notice any difference in the quality of water flow.

If you need to remove an aerator for faucet repairs, or if you wish to install additional ones in other faucets, please follow these instructions:

Bathroom faucet aerator

This fits onto faucets with either outside or inside threads. It comes with two washers. For a faucet with outside thread, discard the thicker top washer and screw on the aerator with the thinner washer. For a faucet with inside thread, screw on the aerator with both washers.

Kitchen faucet aerator

Again, this may be installed onto faucets with either outside or inside threads. For faucets with outside thread, you don't need the plastic adapter. For faucets with inside thread, screw the adapter into the faucet thread first, then screw the aerator into the adapter.

Remember to repair any leaking taps right away. A dripping tap can waste up to 15,000 litres of water a year. If it's a hot water tap, you're wasting electricity, too – about \$10 to \$15 worth.



Fireplace flue draftstopper

Fireplace flue draftstopper

There's nothing like a crackling fire on a cold winter night. But the warm, cosy fireplace is a major source of heat loss when it's not in use, and it can also cause uncomfortable drafts.

Your fireplace flue draftstopper can save a portion of your heating and air conditioning losses and increase the comfort of your home.

Remember to remove the draftstopper when you want a fire – and then to put it back in! Here's how:

- ☒ Blow enough air into the draftstopper to give it shape. It should still be soft and flexible.
- ☒ Check the location of the damper handle. If it passes through the centre of the fireplace, determine where it will pass through the draftstopper when it is installed.
- ☒ Wedge the bottom back side of the draftstopper against the uppermost back part of the wall.
- ☒ Fold the front part of the draftstopper up into position against the front shelf. The ends may be tucked up, but if the unit is sealing well, leave them down.
- ☒ Check for air gaps. Reposition the draftstopper if necessary to get a better seal. Blow more air into it until it is drum-hard.

If the unit slips out of place, contact surfaces may be glazed. Wash the draftstopper with mild dish soap and dry it.

If you find the draftstopper lying deflated on the floor of the fireplace, it probably has a puncture. Find the cause of the puncture and fix it. Patch the unit with a vinyl patch and vinyl cement.

Compact fluorescent lamp

Your compact fluorescent lamp uses about one-quarter of the electricity of an incandescent bulb of similar wattage, and lasts 10 times as long.

If you want to move your compact fluorescent lamp to another location or install additional ones, you may locate them wherever low wattage incandescent lamps are used. Compact fluorescents are ideal for areas that require constant or frequent illumination, such as corridors, staircases, and indoor or outdoor walkways.

Do not install compact fluorescents on a dimmer circuit or outdoors in areas of extreme cold weather. If they are used outdoors, the lamps should be protected from rain and snow.

For maximum effectiveness, keep your compact fluorescent lamp free of dust and dirt.



Compact fluorescent lamp

Free and Easy Energy Savings
2013-2014 Edition | 15 Ways to Save and Stay on Power Smart

**POWER
SMART**
THE POWER

Improvements