

ENERGY EFFICIENCY

The Clean Energy Act will direct BC Hydro to meet 66 per cent of the province's incremental electricity needs through efficiency and conservation by 2020. This is up from the 50 per cent target set in the 2007 Energy Plan.

Power Smart: Leading the way

Since its inception in 1989, BC Hydro's Power Smart program has introduced numerous conservation programs tailored to the residential, commercial and industrial sectors.

The program delivers savings year-after-year. In fact, since the 2007 Energy Plan, Power Smart has helped consumers achieve over \$150 million in bill savings, and annual energy savings have grown to approximately 1,800 GWh per year – the equivalent of powering almost 168,000 homes.

In 2008, **77 per cent of B.C. homes used at least one CFL bulb** – up from 50 per cent in 2004.

A wide-ranging approach to conservation, involving government, manufacturers and retailers, has allowed for the accelerated adoption of energy efficient technologies. By reducing cost barriers, developing higher performance standards and increasing public awareness, BC Hydro has helped increase adoption of energy efficient products.

A new challenge: using electricity wisely

As our reliance on BC Hydro's supply of clean electricity steadily grows, we need to continue to be more efficient in how we use it.

Energy efficiency in the future will go beyond simply using energy efficient products. It will include a shift in behaviour to ensure we use electricity wisely and without waste.

A new smart grid and smart meters will give people tools to manage their power consumption and help them save. Government is also providing an additional \$35 million over three years for the Live Smart BC: Efficiency Incentive Program.

Holiday LED lights use 95 per cent less electricity than incandescents and last 10 times longer.

Power Smart introduced them to B.C. in 2002. Thanks to rebate programs and work with industry, close to 50 per cent of British Columbians now use at least one string of holiday LED lights.

Three key approaches

The Clean Energy Act has established ambitious, but realistic targets for achieving conservation and energy efficiency. BC Hydro will work towards these targets through:

