QUICK FACTS

FOR THE YEAR ENDED MARCH 31, 2010

Corporate Purpose

BC Hydro's corporate purpose is to provide reliable power, at low cost, for generations.

Our Business

BC Hydro is a commercial Crown corporation owned by the Province of British Columbia. BC Hydro is one of North America's leading providers of clean, renewable energy, and the largest electric utility in British Columbia, serving approximately 95 per cent of the province's population and approximately 1.8 million customers.

We are responsible for reliably generating between 42,000 and 52,000 gigawatt hours (GWh) of electricity. Electricity is delivered to our customers through a network of over 18,000 kilometres of transmission lines and 57,000 kilometres of distribution lines.

2010 Facts

- Net income was $447 million, compared with $365 million the year before, resulting in a return on equity of 12.49 per cent.
- Water inflows were five per cent lower than the prior year resulting in less hydro generation than in the prior year, which was partially offset by reduced domestic load requirements, primarily as a result of lower sales to large industrial customers impacted by the economic downturn during the year.
- Power Smart conservation programs continued to deliver cost-effective energy, producing cumulative annual energy savings of 1,778 GWh in fiscal 2010.
- Property, plant and equipment expenditures of $2,406 million are 72 per cent higher than the prior year primarily due to BC Hydro's acquisition of a one-third interest in Teck Metals Ltd.'s Waneta Dam and generating facility in March 2010, the Vancouver Island Transmission Reinforcement project, Revelstoke Unit 5 installation and system improvements to the distribution network. This is a positive result given the significant capital expenditure requirements over the next several years to be able to meet load growth requirements and maintain aging infrastructure.

Energy Facts

Definitions

power = how much electricity is consumed by customers (or produced by power generators) at any instant in time

energy = how much is consumed (or produced) over a period of time

capacity = the maximum sustainable amount of energy that can be produced or carried at any instant. Example: a car engine's horsepower rating is its energy capacity

Units of power

- 1 kilowatt (kW) = 1,000 watts
- 1 megawatt (MW) = 1,000 kilowatts (or 1 million watts)
- 1 gigawatt (GW) = 1,000 megawatts (or 1 billion watts)

Units of energy

- 1 kilowatt hour (kWh) = 1,000 watts for 1 hour (1,000 watt hours)
- 1 megawatt hour (MWh) = 1,000 kWh
- 1 gigawatt hour (GWh) = 1,000 MWh

(Note that the abbreviations for prefixes follow metric convention, so kilo is k, while mega and giga are capitalized. The abbreviation for watt is W.)

Power to Energy ratios – rule of thumb

- Power to energy – for thermal electric: MW x 8 = GWh per year
- Power to energy – for large hydro: MW x 5 = GWh per year

Comparison statistics

- The average household in BC Hydro's service area uses about 11,000 kWh per year.
- A large industrial customer, such as a pulp mill, might use 400 GWh in a year, equal to the consumption of 40,000 households.
- A typical large office building of 20–25 storeys might consume 5 GWh in a year, equal to the consumption of 500 households.
- A large "big box" retail outlet might consume 3.5 GWh per year, or roughly the equivalent of 350 households.
- A 1 MW micro hydro plant produces about 5 GWh per year of green energy.

Financial Information
(in millions)

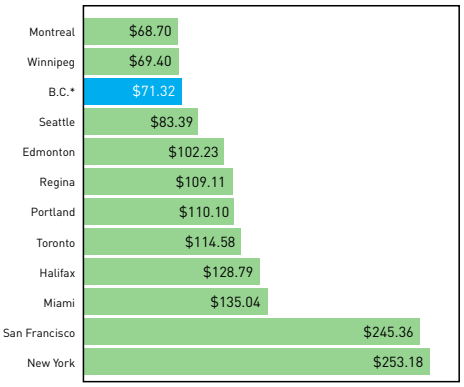
For the years ended as at March 31

	2010	2009
Revenues	**$ 3,822**	$ 4,269
Net income	**$ 447**	$ 365
Property, plant and equipment and intangible assets	**$ 14,104**	$12,099
Property, plant and equipment and intangible additions	**$ 2,406**	$ 1,397
Net long-term debt[1]	**$ 10,696**	$ 9,135

[1]Consists of long-term debt, including the current portion, net of sinking funds and cash and cash equivalents.

Residential Rates

Monthly $ Bills per 1,000 KWh



Source: "Comparison of Electricity Prices in Major North American Cities—Rates Effective on April 1, 2010"—Hydro Quebec.

Note: All bills and average rates are in Canadian currency and exclude taxes. "B.C." refers to BC Hydro service territory.

BC Hydro
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A downloadable version of this information is available at:

bchydro.com/quickfacts

Operating Statistics

For the years ended as at March 31

	2010	2009
Customers		
Residential	**1,633,558**	1,606,156
Light industrial and commercial	**193,522**	191,286
Large industrial	**163**	162
Other	**3,455**	3,434
Trade	**287**	290
Total	**1,830,985**	1,801,328
Electricity sold *(gigawatt hours)*		
Residential	**17,593**	17,861
Light industrial and commercial	**17,811**	18,265
Large industrial	**13,020**	14,303
Other energy sales	**1,809**	2,083
Total domestic	**50,233**	52,512
Trade *(electricity and gas)*	**48,842**	50,799
Total	**99,075**	103,311
Domestic Change Over Previous Year (%)	**(4.3)**	(1.5)
Revenues *(in millions)*		
Residential	**$ 1,300**	$ 1,197
Light industrial and commercial	**1,133**	1,054
Large industrial	**485**	481
Other energy sales	**172**	82
Total domestic	**3,090**	2,814
Trade	**732**	1,455
Total	**$ 3,822**	$ 4,269
Average revenue *(per kilowatt-hour)*		
Residential	**7.4¢**	6.7¢
Light industrial and commercial	**6.4**	5.8
Large industrial	**3.7**	3.4
Other	**9.5**	3.9
Trade[1]	**4.4**	6.6
Average annual kilowatt hour use per residential customer	**10,857**	11,258
Peak one-hour demand integrated system *(megawatts)*	**9,847**	10,010
Lines in service		
Distribution *(kilometres)*	**57,278**	56,780
Transmission *(circuit kilometres)*	**18,603**	18,531
Number of employees[2]	**5,842**	5,844

[1] The method used to calculate trade revenue per kWh is based on gross trade revenues.

[2] Includes full and part-time employees of BC Hydro and its subsidiaries.

Generating Capacity in kW

	Hydroelectric*	Kilowatts (kW)
	Aberfeldie	25,000
	Alouette	9,000
	Ash River	28,000
	Bridge River	478,000
	Cheakamus	158,000
†	Clayton Falls	2,002
	Clowhom	33,000
	Elk River	12,000
	Falls River	7,000
V	GM Shrum	2,730,000
	John Hart	126,000
	Jordan	170,000
	Kootenay Canal	583,000
	Ladore	47,000
	La Joie	25,000
R	Lake Bunzten	72,800
	Mica	1,805,000
V	Peace Canyon	694,000
R	Puntledge	24,000
V	Revelstoke	1,980,000
	Ruskin	105,000
R	Seton	48,000
	Seven Mile	805,000
R	Shuswap	6,000
	Spillimacheen	4,000
V R	Stave Falls	91,000
R	Strathcona	64,000
R	Wahleach	65,000
	Walter Hardman	8,000
	Whatshan	54,000
		10,258,802

* Maximum sustained generating capacity
R Has recreational area
V Has visitor centre
† Non-integrated area

Thermal

	Burrard	950,000
	Fort Nelson	47,000
	Prince Rupert	46,000
		1,040,500

Diesel Generation

†	Ah-Sin-Heek	6,580
†	Anahim Lake	3,650
†	Atlin	2,650
†	Bella Bella	3,300
†	Dease Lake	3,450
†	Eddontenajon	2,550
†	Masset	12,945
†	Sandspit	9,150
†	Telegraph Creek	1,800
		46,075

Total Capacity 11,345,377

Generation capacity figures may vary slightly from those stated in BC Hydro's Annual Report due to recent plant upgrades/updates.

BC hydro
FOR GENERATIONS

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