BC Hydro quick facts*

We are here to safely provide our customers with reliable, affordable, clean electricity

A commercial **crown corporation** owned by the province of British Columbia

Provides approximately **5,000,000** customers with reliable electricity

First quartile ** ranking for our residential, commercial and industrial rates

97.4% clean electricity generated in B.C. in 2021/22

Serves **95%** of the province's population

The average household uses approximately **10,000 kWh** per year

Our Demand Side Management portfolio achieved **661 GWH of new incremental electricity savings in 2021/22*****

30 Hydro Plants

BC Hydro has a network of approximately **80,000 kms** of transmission & distribution lines

Over 300 substations

bchydro.com/quickfacts

* For the year ended 2021/2022

** Out of 22 North American Utilities surveyed for the 2021 Comparison of Electricity Prices in Major North American Cities annual report by Hydro-Québec

***Including programs, codes and standards and conservation rates

BC Hydro
Power smart

CS-2480

Financial Information

(in millions)

for the years ended or as at March 31	2022	2021
Revenues	$ 7,591	$ 6,414
Net income	$ 668	$ 688
Property, plant and equipment, Right-of-way assets and intangible assets	$35,991	$33,682
Property, plant and equipment and intangible expenditures	$ 3,475	$ 3,207
Net long-term debt	$25,642	$24,470

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 electricity that can be produced or delivered 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

Operating Statistics

for the years ended or as at March 31	2022	2021
Customer accounts		
Residential	1,931,041	1,896,518
Light industrial and commercial	221,573	218,196
Large industrial	201	202
Other	3,387	3,383
Total	2,156,202	2,118,299
Domestic Electricity Sold (gigawatt-hours)		*
Residential	19,440	18,983
Light industrial and commercial	19,029	18,091
Large industrial	13,312	12,438
Other	1,671	1,628
Total	53,452	51,140
Revenues (in millions)		
Residential	$2,342	$2,210
Light industrial and commercial	1,952	1,830
Large industrial	854	762
Surplus Sales	—	—
Other sales	471	435
Total Domestic Revenues	$5,619	$5,237
Average Revenue (per kilowatt-hour)		
Residential	12.0¢	11.6¢
Light industrial and commercial	10.3¢	10.1¢
Large industrial	6.4¢	6.1¢
Average Annual Kilowatt-Hour Use Per Residential Customer Account	10,158	10,997
Peak One-Hour Integrated System Demand (megawatts)	10,787	10,076
Lines In Service		
Distribution (kilometres)	60,093	59,907
Transmission (circuit kilometres)	20,148	19,958

Generating Capacity in MW

	Hydroelectric	Megawatts (MW)
	Aberfeldie	25.0
	Alouette	9.0
	Ash River	28.0
	Bridge River	478.0
	Cheakamus	174.0
†	Clayton Falls	2.0
	Clowhom	33.0
	Elko	12.0
	Falls River	7.0
V	GM Shrum	2,857.0
	John Hart	136.0
	Jordan River	170.0
	Kootenay Canal	583.0
	Ladore	47.0
	La Joie	25.0
R	Lake Bunzten	76.8
	Mica	2,746.5
	Peace Canyon	694.0
R	Puntledge	24.0
V	Revelstoke	2,480.0
	Ruskin	105.0
R	Seton	48.0
	Seven Mile	805.0
R	Shuswap	6.0
	Spillimacheen	4.0
V R	Stave Falls	91.0
R	Strathcona	64.0
	Waneta (1/3)	164.4
R	Wahleach	65.0
	Walter Hardman	8.0
	Whatshan	59.0
		12,026.7
	Thermal	
	Fort Nelson	73.0
	Prince Rupert	46.0
		119.0
	Diesel Generation	
†	Ah-Sin-Heek	8.9
†	Anahim Lake	2.9
†	Atlin	2.7
†	Bella Bella	4.9
†	Dease Lake	2.5
	Eddontenajon	1.2
†	Ehthlateese	0.2
†	Good Hope Lake	0.8
†	Hartley Bay	1.0
†	Kwadacha	1.8
†	Masset	11.4
	McBride	5.0
†	Sandspit	10.0
	Takla	0.5
†	Telegraph Creek	1.8
†	Toad River	0.6
†	Tsay Keh Dene	2.4
		58.6
	Total Capacity	12,204.3

R Has recreational area
V Has visitor centre
† Non-integrated area

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

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A downloadable version of this information is available at:

bchydro.com/quickfacts