

# 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 



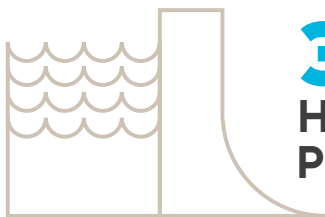
**98%** of our electricity came from clean or renewable sources in 2022/23

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

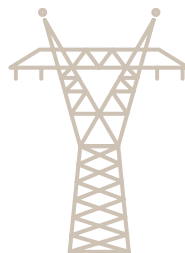
The average household uses approximately **10,000 kWh** per year

Our energy conservation portfolio achieved **96 megawatts**

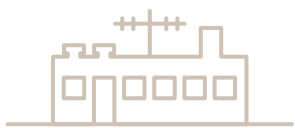
in annual new incremental capacity savings in 2022/23\*\*\* 



**30** Hydro Plants



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

**Over 300**  substations

[bchydro.com/quickfacts](https://bchydro.com/quickfacts)

\* For the year ended 2022/23

\*\* Out of 22 North American utilities surveyed for the 2022 Comparison of Electricity Prices in Major North American Cities 2022

\*\*\* Capacity saving targets are derived from the Demand Side Plan and 2021 Integrated Resource Plan

## Financial Information

(in millions)

for the years ended or as at March 31	2023	2022*
Revenues	\$ 8,027	\$ 7,591
Net income	\$ 360	\$ 668
Property, plant and equipment, Right-of-use assets and intangible assets	\$ 38,870	\$ 35,926
Property, plant and equipment and intangible expenditures	\$ 3,919	\$ 3,475
Net long-term debt	\$ 26,630	\$ 25,642

### 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

\* In 2021/22, certain amounts were reclassified to conform to the 2022/23 presentation.

### BC Hydro

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British Columbia, Canada V6B 5R3

A downloadable version of this information is available at:

[bchydro.com/quickfacts](http://bchydro.com/quickfacts)

## Operating Statistics

for the years ended or as at March 31	2023	2022
<b>Customer accounts</b>		
Residential	1,961,208	1,931,041
Light industrial and commercial	223,915	221,573
Large industrial	203	201
Other	3,367	3,387
<b>Total</b>	<b>2,188,693</b>	<b>2,156,202</b>

#### Domestic Electricity Sold (gigawatt-hours)

Residential	19,547	19,440
Light industrial and commercial	19,247	19,029
Large industrial	13,437	13,312
Other	2,028	1,671
<b>Total</b>	<b>54,259</b>	<b>53,452</b>

#### Revenues (in millions)

Residential	\$ 2,146	\$ 2,342
Light industrial and commercial	\$ 1,840	\$ 1,952
Large industrial	\$ 848	\$ 854
Other sales	\$ 470	\$ 471
<b>Total Domestic Revenues:</b>	<b>\$ 5,304</b>	<b>\$ 5,619</b>

#### Average Revenue (per kilowatt-hour)

Residential	11.0¢	12.0¢
Light industrial and commercial	9.6¢	10.3¢
Large industrial	6.3¢	6.4¢

#### Average Annual Kilowatt-Hour

Use Per Residential Customer Account	10,044	10,158
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#### Peak One-Hour Integrated

System Demand (megawatts)	10,977	10,787
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#### Lines In Service

Distribution (kilometres)	60,289	60,093
Transmission (circuit kilometres)	20,192	20,148

## Generating Capacity in MW

### Hydroelectric

### Megawatts (MW)

Aberfeldie	25.0
Alouette	9.0
Ash River	28.0
Bridge River	490.9
Cheakamus	174.0
† Clayton Falls	2.0
Clowhom	33.0
Elko	12.0
Falls River	7.0
∇ 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	77.8
Mica	2,746.5
Peace Canyon	694.0
R Puntledge	24.0
∇ Revelstoke	2,480.0
Ruskin	105.0
R Seton	48.0
Seven Mile	805.0
R Shuswap	6.0
Spillimacheen	4.0
∇ R Stave Falls	91.0
R Strathcona	64.0
Waneta (1/3)	164.4
R Wahleach	65.0
Walter Hardman	8.0
Whatsan	59.0
	<u>12,040.6</u>

### Thermal

Fort Nelson	73.0
Prince Rupert	46.0
	<u>119.0</u>

### Diesel Generation

† Ah-Sin-Heek	8
† Anahim Lake	2.9
† Atlin	2.7
† Bella Bella	4.9
† Dease Lake	2.5
Eddontenajon	1.2
† Ehtlateese	0.2
† Good Hope Lake	0.8
† Hartley Bay	1.0
† Kwadacha	1.8
† Masset	1.0
McBride	5.0
† Sandspit	8.6
Takla	0.5
† Telegraph Creek	1.5
† Toad River	0.6
† Tsay Keh Dene	2.4
	<u>54.6</u>

### Total Capacity

R Has recreational area	
∇ 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.