

BC Hydro quick facts*



Providing customers with **reliable, affordable and clean** electricity throughout B.C., safely

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



Provides **4,000,000** customers with reliable power

Among the lowest residential rates in North America**

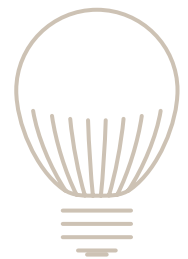


98.4% clean electricity generated in B.C. in fiscal 2017

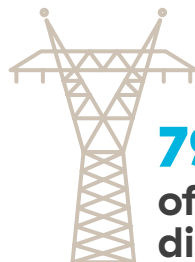
Serves **95%** of the province's population

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

Our Demand Side Management portfolio achieved **733 GWh of new incremental electricity savings in fiscal 2017**

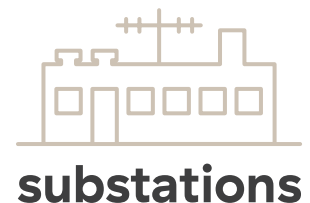


30 Hydro Plants



BC Hydro has a network of over **79,000 kms** of transmission & distribution lines

Over 300



bchydro.com/quickfacts

* For the year ended March 31, 2017

** Out of 22 North American Utilities surveyed for the 2016 Comparison of Electricity Prices in Major North American Cities by Hydro-Québec

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

 **BC Hydro**
Power smart

Financial Information

(in millions)

for the years ended or as at March 31	2017	2016
Revenues	\$ 5,874	\$ 5,657
Net income	\$ 684	\$ 655
Property, plant and equipment and intangible assets	\$ 23,599	\$ 21,994
Property, plant and equipment and intangible expenditures	\$ 2,444	\$ 2,306
Net long-term debt	\$ 19,796	\$ 18,002

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

BC Hydro

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British Columbia, Canada V6B 5R3

A downloadable version of this information is available at:

bchydro.com/quickfacts



Operating Statistics

for the years ended or as at March 31	2017	2016
Customer accounts		
Residential	1,776,503	1,751,296
Light industrial and commercial	207,802	205,615
Large industrial	191	185
Other	3,467	3,459
Trade	204	214
Total	1,988,167	1,960,769

Domestic Electricity Sold (gigawatt-hours)

Residential	18,068	17,331
Light industrial and commercial	18,968	18,421
Large industrial	13,177	13,669
Other	7,439	7,879
Total	57,652	57,300

Revenues (in millions)

Residential	\$2,012	\$1,842
Light industrial and commercial	1,800	1,685
Large industrial	770	766
Other energy sales	428	464
Domestic Revenues before Regulatory Transfers	5,010	4,757
Regulatory Transfers	189	299
Total Domestic Revenues	\$5,199	\$5,056

Average Revenue (per kilowatt-hour)¹

Residential	11.1¢	10.6¢
Light industrial and commercial	9.5¢	9.1¢
Large industrial	5.8¢	5.6¢

Average Annual Kilowatt-Hour Use Per Residential Customer Account

Customer Account	10,241	9,958
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Peak One-Hour Integrated System Demand (megawatts)

System Demand	10,194	9,602
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Lines In Service

Distribution (kilometres)	59,078	58,765
Transmission (circuit kilometres)	20,278	20,176

Water Inflows (% of average)	101	97
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¹ Average Revenue is before regulatory transfers.

Generating Capacity in MW

Hydroelectric

	Megawatts (MW)
Aberfeldie.....	25.0
Alouette.....	9.0
Ash River.....	28.0
Bridge River.....	478.0
Cheakamus.....	158.0
† Clayton Falls.....	2.0
Clowhom.....	33.0
Elko.....	12.0
Falls River.....	7.0
∨ GM Shrum.....	2,730.0
John Hart.....	126.0
Jordan River.....	170.0
Kootenay Canal.....	583.0
Ladore.....	47.0
La Joie.....	25.0
R Lake Bunzten.....	76.8
Mica.....	2,746.0
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
R Wahleach.....	65.0
Waneta (1/3).....	164.0
Walter Hardman.....	8.0
Whatshan.....	55.0
	11,868.8

Thermal

Fort Nelson.....	73.0
Prince Rupert.....	46.0
	119.0

Diesel Generation

† Ah-Sin-Heek.....	7.3
† Anahim Lake.....	3.9
† Atlin.....	2.7
† Bella Bella.....	4.9
† Dease Lake.....	3.5
† Eddontenajon.....	1.7
† Elhlateese.....	0.2
† Good Hope Lake.....	0.8
† Hartley Bay.....	1.1
† Kwadacha.....	1.8
† Masset.....	16.5
† McBride.....	5.0
† Sandspit.....	10.2
† Takla.....	0.7
† Telegraph Creek.....	1.8
† Tsay Keh Dene.....	1.1
† Toad River.....	0.6
	63.8

Total Capacity..... **12,051.6**

- 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.