

# BC Hydro quick facts\*

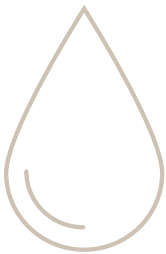


Providing customers with **reliable, affordable** and **clean** electricity throughout B.C., safely.

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

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

The third lowest residential rates in North America 

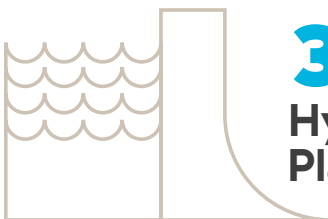


**98.3%**  
clean electricity generated in B.C. in fiscal 2016

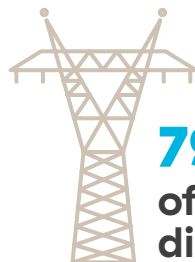
Serves **95%** of the province's population

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

Power Smart conservation programs achieved **cumulative energy savings of 5,091 GWh in fiscal 2016**\*\*\*



**30**  
Hydro Plants



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

**Over 300**  
  
substations

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

\* For the year ended March 31, 2016

\*\* Out of 22 North American Utilities surveyed for the 2015 Comparison of Electricity Prices in Major North American Cities by Hydro-Québec.

\*\*\*Cumulative energy savings from fiscal 2008 to fiscal 2016

 **BC Hydro**  
Power smart

## Financial Information

(in millions)

for the years ended or as at March 31	2016	2015
Revenues	\$ 5,657	\$ 5,748
Net income	\$ 655	\$ 581
Property, plant and equipment and intangible assets	\$ 21,994	\$ 20,480
Property, plant and equipment and intangible expenditures	\$ 2,306	\$ 2,169
Net long-term debt	\$ 18,002	\$ 16,682

### 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

333 Dunsmuir Street, Vancouver  
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 2016 2015

Customer accounts	2016	2015
Residential	1,751,296	1,727,945
Light industrial and commercial	205,615	203,466
Large industrial	185	183
Other	3,459	3,474
Trade	214	226
<b>Total</b>	<b>1,960,769</b>	<b>1,935,294</b>

Domestic Electricity Sold (gigawatt-hours)	2016	2015
Residential	17,331	17,047
Light industrial and commercial	18,421	18,564
Large industrial	13,669	14,020
Other	7,879	1,582
<b>Total</b>	<b>57,300</b>	<b>51,213</b>

Revenues (in millions)	2016	2015
Residential	\$1,842	\$1,712
Light industrial and commercial	1,685	1,597
Large industrial	766	748
Other energy sales	464	280
Domestic Revenues before Regulatory Transfers	4,757	4,337
Regulatory Transfers	299	492
<b>Total Domestic Revenues</b>	<b>\$5,056</b>	<b>\$4,829</b>

Average Revenue (per kilowatt-hour) <sup>1</sup>	2016	2015
Residential	10.6¢	10.0¢
Light industrial and commercial	9.1	8.6
Large industrial	5.6	5.3

Average Annual Kilowatt-Hour Use Per Residential Customer Account	2016	2015
	9,958	9,919

Peak One-Hour Integrated System Demand (megawatts)	2016	2015
	9,602	9,441

Lines In Service	2016	2015
Distribution (kilometres)	58,765	58,518
Transmission (circuit kilometres)	20,176	19,792

Water Inflows (% of average)	2016	2015
	97	102

<sup>1</sup> 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
Elk River.....	12.0
Falls River.....	7.0
V GM Shrum.....	2,730.0
John Hart.....	126.0
Jordan.....	170.0
Kootenay Canal.....	583.0
Ladore.....	47.0
La Joie.....	25.0
R Lake Bunzten.....	76.8
Mica.....	2,746.5
V 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
R Wahleach.....	65.0
Waneta (1/3).....	164.4
Walter Hardman.....	8.0
Whatshan.....	54.0
	<b>11,868.7</b>

### Thermal

Fort Nelson.....	73.0
Prince Rupert.....	46.0
	<b>119.0</b>

### Diesel Generation

† Ah-Sin-Heek.....	7.6
† Anahim Lake.....	3.9
† Atlin.....	2.7
† Bella Bella.....	4.9
† Dease Lake.....	3.5
† Eddontenajon.....	1.7
† Elhlateese.....	0.2
† Hartley Bay.....	1.1
† Kwadacha.....	1.8
† Masset.....	13.1
† McBride.....	5.0
† Sandspit.....	10.2
† Takla.....	0.6
† Telegraph Creek.....	1.8
† Tsay Keh Dene.....	1.1
† Toad River.....	0.6
	<b>59.8</b>
<b>Total Capacity.....</b>	<b>12,047.5</b>

- \* Maximum sustained generating capacity
- 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 Report due to recent plant upgrades/updates. For capacity in kW see BC Hydro's Annual Financial Report to the British Columbia Utilities Commission.