BC Hydro quick facts*

Safely provide reliable, affordable, clean electricity throughout B.C.  

A commercial crown corporation owned by the province of British Columbia

Provides over 4,000,000 customers with reliable electricity  

Third lowest residential rates in North America

97.8% clean electricity generated in B.C. in 2018/19  

Serves 95% of the province’s population

The average household uses approximately 10,000 kWh per year

Our Demand Side Management portfolio achieved 868 GWh of new incremental electricity savings in fiscal 2018/19***

30 Hydro Plants  

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

Over 300 substations

bchydro.com/quickfacts

* For the year ended March 31, 2019  

** Out of 22 North American Utilities surveyed for the 2018 Comparison of Electricity Prices in Major North American Cities by Hydro-Québec

***Including programs, codes and standards and conservation rates
Operating Statistics for the years ended or as at March 31 2019 2018

Customer accounts
Residential 5,833,097 5,803,752
Light Industrial and commercial 212,446 210,673
Large Industrial 195 190
Other 3,414 3,429
Trade 165 182
Total 2,049,322 2,018,226

Domestic Electricity Sold (gigawatt-hours)
Residential 18,000 18,150
Light Industrial and commercial 19,007 18,874
Large Industrial 13,896 13,440
Other 3,740 6,709
Total 54,643 57,173

Revenues (in millions)
Residential $2,117 $2,097
Light Industrial and commercial 1,925 1,860
Large industrial 873 811
Surplus Sales 115 139
Other energy sales 392 316
Total Domestic Revenues $5,432 $5,223

Average Revenue (per kilowatt-hour)
Residential 11.8¢ 11.6¢
Light industrial and commercial 10.1¢ 9.9¢
Large industrial 6.3¢ 6.0¢

Average Annual Kilowatt-Hour Use Per Residential Customer Account 9,899 10,139

Peak One-Hour Integrated System Demand (megawatts) 10,045 9,651

Lines In Service
Distribution (kilometres) 59,095 59,222
Transmission (circuit kilometres) 20,385 20,306

Water Inflows (% of average) 87 98

Financial Information (in millions) for the years ended or as at March 31 2019 2018
Revenues $ 6,573 $ 5,954
Net Income (Loss) (428) 684
Property, plant and equipment and intangible assets $28,554 $25,670
Property, plant and equipment and intangible expenditures 3,826 2,473
Net long-term debt $22,101 $20,140

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

Generators 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
Clotho ......................................... 33.0
Elko .......................................... 12.0
Falls River ..................................... 7.0
V GM Shrum .................................. 2,778.0
John Hart ..................................... 126.0
Jordan River .................................. 170.0
Kootenay Canal ............................... 583.0
Ladore ......................................... 47.0
La Jole ......................................... 25.0
R Lake Bunten ................................ 76.8
Mica ............................................. 2,746.5
Peace Canyon ............................... 694.0
Puntledge ...................................... 24.0
V Revelstoke .................................. 2,480.0
Ruskîn ......................................... 105.0
R Seton ......................................... 48.0
Seven Mile ................................... 805.0
R Shuswap ..................................... 6.0
Spillimacheen .................................. 4.0
V R Steele Falls ............................... 91.0
R Strathcona ................................... 64.0
R Wahleach .................................... 65.0
V Waneta (1/3) .................................. 164.4
Walter Hardman ............................. 8.0
Whatshan ...................................... 59.0

11,921.7

Thermal
Fort Nelson .................................. 73.0
Prince Rupert ................................ 46.0

119.0

Diesel Generation
† Ah–Sin–Heek ..................................... 8.1
† Anaehim Lake .................................. 3.7
† Atlin ........................................... 2.7
† Bella Bella ..................................... 4.9
† Dease Lake .................................... 3.0
† Edendemâjokon ............................... 0.6
† El háteese ..................................... 0.2
† Good Hope Lake ............................. 0.8
† Hartley Bay .................................... 1.1
† Kwadacha ..................................... 1.9
† Masset ......................................... 10.5
† McBride ....................................... 5.0
† Sandspit ...................................... 9.7
† Takla ........................................... 0.6
† Telegraph Creek .............................. 1.8
† Tsay Keh Dene ................................ 2.5
† Toad River .................................... 0.6

57.7

Total Capacity .................................. 12,098.4
R Has recreational area
V Has visitor centre
† Non–Integrated area

* The Company adopted IFRS in fiscal 2019, and restated the comparative period (fiscal 2018).

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A downloadable version of this information is available at:
bchydro.com/quickfacts