# BC Hydro quick facts\*



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

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

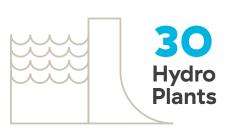
10,000 kWh

Per Year

Our Demand Side Management portfolio achieved

661 GWH of new incremental electricity savings in 2021/22\*\*\*





BC Hydro has a network of approximately

80,000 kms

of transmission & distribution lines



### bchydro.com/quickfacts

- \* For the year ended 2021/2022
- \*\* Out of 22 North American Utilities surveyed for the 2O21 Comparison of Electricity Prices in Major North American Cities annual report by Hydro-Québec
- \*\*\*Including programs, codes and standards and conservation rates



#### **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**

	. ,
Нус	roelectric Megawatts (MW)
	Aberfeldie25.0
	Alouette
	Ash River
	Bridge River478.0
	Cheakamus174.0
†	Clayton Falls
	Clowhom
	Elko
	Falls River
V	GM Shrum 2,857.0
	John Hart136.0
	Jordan River
	Kootenay Canal583.0
	Ladore
	La Joie25.0
R	Lake Bunzten
	Mica
_	Peace Canyon
R	Puntledge24.0
V	Revelstoke 2,480.0
D	Ruskin
R	Seton
_	Seven Mile
R	•
\/ D	Spillimacheen
v r R	Strathcona 64.0
K	Waneta (1/3)
R	Wahleach
1	Walter Hardman 8.0
	Whatshan
	12,026.7
I ne	rmal
	Fort Nelson
	Prince Rupert46.0
	119.0
Die	sel Generation
†	Ah-Sin-Heek 8.9
†	Anahim Lake 2.9
†	Atlin 2.7
†	Bella Bella4.9
†	Dease Lake
	Eddontenajon
†	Ehthlateese
†	Good Hope Lake
†	Hartley Bay1.0
†	Kwadacha
†	Masset
+	McBride 5.0
†	Sandspit         10.0           Takla         0.5
†	Telegraph Creek
†	Toad River
†	Tsay Keh Dene
	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.

#### **BC Hydro**

333 Dunsmuir Street, Vancouver British Columbia, Canada V6B 5R3

A downloadable version of this information is available at:

bchydro.com/quickfacts

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