
BPA FACTS



The information contained in
BPA Facts is for fiscal year 2018,
unless otherwise noted.

Profile

The Bonneville Power Administration is a nonprofit federal power marketing administration based in the Pacific Northwest. Although BPA is part of the U.S. Department of Energy, it is self-funding and covers its costs by selling its products and services. BPA markets wholesale electrical power from 31 federal hydroelectric projects in the Northwest, one nonfederal nuclear plant and several small nonfederal power plants. The dams are operated by the U.S. Army Corps of Engineers and the Bureau of Reclamation. The nonfederal nuclear plant, Columbia Generating Station, is owned and operated by Energy Northwest, a joint operating agency of the state of Washington. BPA provides about 27% of the electric power generated in the Northwest, and its resources — primarily hydroelectric — make BPA power nearly carbon free.

General information

BPA established	1937
Service area size (square miles)	300,000
Pacific Northwest population	13,932,397
Transmission line (circuit miles)	15,209
BPA substations	261
Employees (FTE)	2,793 ¹

1/ FTE estimate for fiscal year 2018 from the FY 2020 Congressional Budget.

Customers

Cooperatives	54
Municipalities	42
Public utility districts	28
Federal agencies	7
Investor-owned utilities	6
Direct-service industries	2
Port districts	1
Tribal utilities	<u>3</u>
Total	143
Marketers (power and transmission) ²	188
Transmission customers	546

2/ As of February 2019.

Wholesale power rates³

(fiscal years 2018–2019)

Priority Firm Tier 1	3.56 cents/kWh (average ⁴ , undelivered)
Priority Firm Avg. Tier 1 + Tier 2	3.70 cents/kWh (undelivered)
Priority Firm Exchange	6.19 cents/kWh (average, undelivered)
Industrial Firm	4.35 cents/kWh (average, undelivered)
New Resources	7.90 cents/kWh (average, undelivered)

3/ The rates shown do not include the cost of transmission. They also do not include Spill Surcharge costs.

4/ The actual rate paid by an individual customer will vary according to the shape of the load and the products and services purchased.

Transmission rates⁵

(fiscal years 2018–2019)

Network rates

Long-Term Firm	\$1.471/kW-month
Short-Term	0.423 cents/kWh

Southern Intertie rates

Long-Term Firm	\$1.038/kW-month
Short-Term	0.956 cents/kWh

5/ Reflects the rates for point-to-point transmission service. All short-term firm and nonfirm rates are downwardly flexible.

2018 Financial highlights⁶

For the Federal Columbia River Power System

(\$ in millions)

Total operating revenues ⁷	\$3,710
Total operating expenses	<u>3,032</u>
Net operating revenues	678
Net interest expense	<u>270</u>
Net revenues	<u>\$ 471</u>

6/This information is consistent with BPA's 2018 Annual Report.

7/ Includes both power and transmission revenues.

Sources of revenues⁸ (\$ in millions)

Publicly owned utilities	\$2,155
Wheeling and other sales	\$921
Sales outside the Northwest	\$387
U.S. Treasury credits	\$75
Direct-service industries	\$25
Investor-owned utilities	\$92
Miscellaneous revenues	\$75

Disposition of revenues⁸ (\$ in millions)

Operations and maintenance	\$2,099
Federal projects depreciation	\$507
Non-federal projects	\$267
Purchased power	\$180

8/ Does not reflect bookouts of -\$20,380.

Transmission system

Operating voltage	Circuit miles
1,100 kV	1
1,000 kV	264 ⁹
500 kV	4,869
345 kV	570
287 kV	229
230 kV	5,329
161 kV	119
138 kV	56
115 kV	3,476
below 115 kV	<u>296</u>
Total ¹⁰	15,209

9/ BPA's portion of the PNW/PSW direct-current intertie. The total length of this line from The Dalles, Oregon, to Los Angeles is 846 miles.

10/ Total circuit miles as of February 2019.

Federal hydro projects

31 federal dams (max. capacity) . . . 22,458 MW

Projects owned and operated by:

U.S. Army Corps of Engineers (14,651 MW) .21 dams

Bureau of Reclamation (7,807 MW) 10 dams

Federal generation

Hydro generation	8,886 aMW
Total generation	10,040 aMW
60-min. hydro peak generation	14,857 MW
60-min. total peak generation	15,653 MW
All-time 60-min. total peak generation record (June 2002)	18,139 MW

Fish and wildlife (\$ in millions)

Total F&W costs for FY 2018¹¹ \$481

BPA has committed nearly \$16.9 billion since 1978 to support Northwest fish and wildlife recovery.

11/ Program expenses include integrated program and action plan/high priority.

Energy efficiency

In FY 2018, based on preliminary figures, BPA acquired about 55 average megawatts of new energy efficiency savings. That brings the cumulative total savings to 2,159 aMW since 1982.

Photo by Robert Meyers

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DOE/BP-4904 • April 2019