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 .......................... 3
Total . .................................. 143

Marketers (power and transmission)\(^2\) .......... 188
Transmission customers ................ 546

\(^2\) As of February 2019.
Wholesale power rates\(^3\)
(fiscal years 2018–2019)

<table>
<thead>
<tr>
<th>Category</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority Firm Tier 1</td>
<td>3.56 cents/kWh</td>
</tr>
<tr>
<td>Priority Firm Avg. Tier 1 + Tier 2</td>
<td>3.70 cents/kWh</td>
</tr>
<tr>
<td>Priority Firm Exchange</td>
<td>6.19 cents/kWh</td>
</tr>
<tr>
<td>Industrial Firm</td>
<td>4.35 cents/kWh</td>
</tr>
<tr>
<td>New Resources</td>
<td>7.90 cents/kWh</td>
</tr>
</tbody>
</table>

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 rates\(^5\)
(fiscal years 2018–2019)

Network rates

<table>
<thead>
<tr>
<th>Category</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long-Term Firm</td>
<td>$1.471/kW-month</td>
</tr>
<tr>
<td>Short-Term</td>
<td>0.423 cents/kWh</td>
</tr>
</tbody>
</table>

Southern Intertie rates

<table>
<thead>
<tr>
<th>Category</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long-Term Firm</td>
<td>$1.038/kW-month</td>
</tr>
<tr>
<td>Short-Term</td>
<td>0.956 cents/kWh</td>
</tr>
</tbody>
</table>

5/ Reflects the rates for point-to-point transmission service. All short-term firm and nonfirm rates are downwardly flexible.
2018 Financial highlights
For the Federal Columbia River Power System
($ in millions)

Total operating revenues $3,710
Total operating expenses 3,032
   Net operating revenues 678
Net interest expense 270
   Net revenues $471

6/ This information is consistent with BPA’s 2018 Annual Report.
7/ Includes both power and transmission revenues.

Sources of revenues ($ 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 revenues ($ 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

<table>
<thead>
<tr>
<th>Operating voltage</th>
<th>Circuit miles</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,100 kV</td>
<td>1</td>
</tr>
<tr>
<td>1,000 kV</td>
<td>2649</td>
</tr>
<tr>
<td>500 kV</td>
<td>4,869</td>
</tr>
<tr>
<td>345 kV</td>
<td>570</td>
</tr>
<tr>
<td>287 kV</td>
<td>229</td>
</tr>
<tr>
<td>230 kV</td>
<td>5,329</td>
</tr>
<tr>
<td>161 kV</td>
<td>119</td>
</tr>
<tr>
<td>138 kV</td>
<td>56</td>
</tr>
<tr>
<td>115 kV</td>
<td>3,476</td>
</tr>
<tr>
<td>below 115 kV</td>
<td>296</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15,209</strong></td>
</tr>
</tbody>
</table>

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.

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### 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 2018\textsuperscript{11} ................ $481

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

\textsuperscript{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.