

# BPA facts

Information is for fiscal year 2013, unless otherwise noted.

## Profile

The Bonneville Power Administration is a federal nonprofit 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 hydro projects in the Columbia River Basin, 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. About 30 percent of the electric power used in the Northwest comes from BPA. BPA's resources — primarily hydroelectric — make its power nearly carbon free.

BPA also operates and maintains about three-fourths of the high-voltage transmission in its service territory. BPA's service territory includes Idaho, Oregon, Washington, western Montana and small parts of eastern Montana, California, Nevada, Utah and Wyoming.

BPA promotes energy efficiency, renewable resources and new technologies that improve its ability to deliver on its mission. BPA also funds regional efforts to protect and enhance fish and wildlife populations affected by hydropower development in the Columbia River Basin.

BPA is committed to public service and seeks to make its decisions in a manner that provides opportunities for input from stakeholders. In its vision statement, BPA dedicates itself to providing high system reliability, low rates consistent with sound business principles, environmental stewardship and accountability.

## BPA Mission

The Bonneville Power Administration's mission as a public service organization is to create and deliver the best value for its customers and constituents as it acts in concert with others to assure the Pacific Northwest:

- an adequate, safe, efficient, economical and reliable power supply;
- a transmission system that is adequate to the task of integrating and transmitting power from federal and nonfederal generating units, providing service to BPA's customers, providing interregional interconnections, and maintaining electrical reliability and stability; and
- mitigation of the Federal Columbia River Power System's impacts on fish and wildlife.

BPA is committed to cost-based rates and public and regional preference in its marketing of power. BPA will set its rates as low as possible consistent with sound business principles and the full recovery of all of its costs, including timely repayment of the federal investment in the system.

## BPA Vision

BPA will be an engine of the Northwest's economic prosperity and environmental sustainability. BPA's actions advance a Northwest power system that is a national leader in providing:

- high reliability;
- low rates consistent with sound business principles;
- responsible environmental stewardship; and
- accountability to the region.

We deliver on these public responsibilities<sup>1/</sup> through a commercially successful business.

<sup>1/</sup> Our public responsibilities are defined by the four characteristics listed above.

## General Information

|                                   |                     |
|-----------------------------------|---------------------|
| BPA established                   | 1937                |
| Service area size (square miles)  | 300,000             |
| Pacific Northwest population      | 12,922,668          |
| Transmission line (circuit miles) | 15,169              |
| BPA substations                   | 260                 |
| Employees (FTE)                   | 3,200 <sup>2/</sup> |

<sup>2/</sup> FTE budget for FY 2014 from the 2015 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          | 2   |
| Total                     | 142 |
| Transmission customers    | 483 |

## Rates

### Wholesale power rates<sup>3/</sup> (10/1/13–9/30/14)

|  |                |
|--|----------------|
| Priority Firm Tier 1 (average <sup>4/</sup> , undelivered) | 3.15 cents/kWh |
| Priority Firm Avg. Tier 1 + Tier 2 (undelivered)           | 3.29 cents/kWh |
| Priority Firm Exchange (average, undelivered)              | 5.91 cents/kWh |
| Industrial Firm (average, undelivered)                     | 3.90 cents/kWh |
| New Resources (average, undelivered)                       | 7.77 cents/kWh |

<sup>3/</sup> The rates shown do not include the cost of transmission. They also do not include the application of the Conservation Rate Credit.

<sup>4/</sup> 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<sup>5/</sup> (FYs 2012–2013)

#### Network rates:

|         |                |
|---------|----------------|
| Firm    | \$17.748/kW/yr |
| Nonfirm | .426 cents/kWh |

#### Southern intertie rates:

|         |                |
|---------|----------------|
| Firm    | \$13.536/kW/yr |
| Nonfirm | .325 cents/kWh |

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

## 2013 Financial Highlights\*

For the Federal Columbia River Power System  
(\$ in thousands)

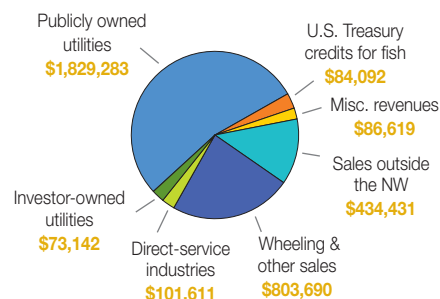
|  |              |
|--|--------------|
| Total operating revenues <sup>6/</sup> | \$3,346,281  |
| Total operating expenses               | 3,161,175    |
| Net operating revenues                 | 185,106      |
| Net interest expense                   | 289,871      |
| Net (expenses) revenues                | \$ (104,765) |

<sup>6/</sup> Includes both power and transmission revenues.

\* This information is consistent with BPA's 2013 Annual Report.

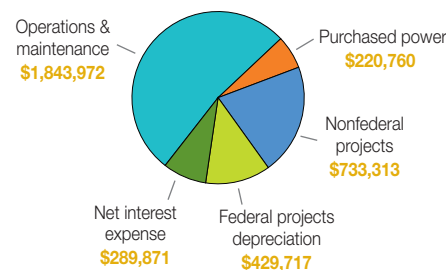
### Sources of revenue<sup>7/</sup>

(\$ in thousands)



### Disposition of revenue<sup>7/</sup>

(\$ in thousands)



<sup>7/</sup> Does not reflect bookouts of -\$66,587.

## Transmission System

### Operating voltage

### Circuit miles

|                     |                   |
|---------------------|-------------------|
| 1,000 kV            | 264 <sup>8/</sup> |
| 500 kV              | 4,803             |
| 345 kV              | 570               |
| 287 kV              | 229               |
| 230 kV              | 5,327             |
| 161 kV              | 119               |
| 138 kV              | 53                |
| 115 kV              | 3,522             |
| below 115 kV        | 282               |
| Total <sup>9/</sup> | 15,169            |

<sup>8/</sup> BPA's portion of the PNW/PSW direct-current intertie. The total length of this line from The Dalles, Ore., to Los Angeles is 846 miles.

<sup>9/</sup> Total circuit miles as of January 2014.



## Federal Hydro Projects

| Name                              | River, state            | In service  | Max. capacity   |
|-----------------------------------|-------------------------|-------------|-----------------|
| Albeni Falls                      | Pend Oreille, ID        | 1955        | 49 MW           |
| <i>Anderson Ranch</i>             | <i>Boise, ID</i>        | <i>1950</i> | <i>40 MW</i>    |
| Big Cliff                         | Santiam, OR             | 1953        | 21 MW           |
| <i>Black Canyon</i>               | <i>Payette, ID</i>      | <i>1925</i> | <i>10 MW</i>    |
| <i>Boise River Diversion</i>      | <i>Boise, ID</i>        | <i>1912</i> | <i>3 MW</i>     |
| Bonneville                        | Columbia, OR/WA         | 1938        | 1,225 MW        |
| <i>Chandler</i>                   | <i>Yakima, WA</i>       | <i>1956</i> | <i>12 MW</i>    |
| Chief Joseph                      | Columbia, WA            | 1958        | 2,614 MW        |
| Cougar                            | McKenzie, OR            | 1963        | 28 MW           |
| Detroit                           | Santiam, OR             | 1953        | 115 MW          |
| Dexter                            | Willamette, OR          | 1954        | 17 MW           |
| Dworshak                          | Clearwater, ID          | 1973        | 465 MW          |
| Foster                            | Santiam, OR             | 1967        | 23 MW           |
| <i>Grand Coulee<sup>10/</sup></i> | <i>Columbia, WA</i>     | <i>1942</i> | <i>7,079 MW</i> |
| Green Peter                       | Santiam, OR             | 1967        | 92 MW           |
| <i>Green Springs</i>              | <i>Emigrant Crk, OR</i> | <i>1960</i> | <i>17 MW</i>    |
| Hills Creek                       | Willamette, OR          | 1962        | 34 MW           |
| <i>Hungry Horse</i>               | <i>Flathead, MT</i>     | <i>1953</i> | <i>428 MW</i>   |
| Ice Harbor                        | Snake, WA               | 1962        | 693 MW          |
| John Day                          | Columbia, OR/WA         | 1971        | 2,480 MW        |
| Libby                             | Kootenai, MT            | 1975        | 605 MW          |
| Little Goose                      | Snake, WA               | 1970        | 930 MW          |
| Lookout Point                     | Willamette, OR          | 1953        | 138 MW          |
| Lost Creek                        | Rogue, OR               | 1977        | 56 MW           |
| Lower Granite                     | Snake, WA               | 1975        | 930 MW          |
| Lower Monumental                  | Snake, WA               | 1969        | 930 MW          |
| McNary                            | Columbia, OR/WA         | 1952        | 1,120 MW        |
| <i>Minidoka</i>                   | <i>Snake, ID</i>        | <i>1909</i> | <i>28 MW</i>    |
| <i>Palisades</i>                  | <i>Snake, ID</i>        | <i>1958</i> | <i>177 MW</i>   |
| <i>Roza</i>                       | <i>Yakima, WA</i>       | <i>1958</i> | <i>13 MW</i>    |
| The Dalles                        | Columbia, OR/WA         | 1957        | <i>2,086 MW</i> |
| Total (31 dams)                   |                         |             | 22,458 MW       |

Owned and operated by the U.S. Army Corps of Engineers (21 dams, 14,651 MW)  
 Owned and operated by the Bureau of Reclamation (10 dams, 7,807 MW)

10/ Includes pump generation.

## BPA Resources<sup>11/</sup>

(for OY 2014 under 1937 water conditions)

### Sustained 120-hour peak capacity (January) 11,968 MW

|                                   |                  |
|-----------------------------------|------------------|
| Hydro:                            | 9,906 MW (82.8%) |
| Nuclear:                          | 1,130 MW (9.5%)  |
| Firm contracts & other resources: | 922 MW (7.7%)    |

### Firm energy (12-month annual avg.) 8,505 aMW

|                                   |                   |
|-----------------------------------|-------------------|
| Hydro:                            | 6,909 aMW (81.3%) |
| Nuclear:                          | 1,030 aMW (12.1%) |
| Firm contracts & other resources: | 576 aMW (6.6%)    |

## Regional Resources<sup>11/</sup>

(for OY 2014 under 1937 water conditions)

### Sustained 120-hour peak capacity (January) 48,698 MW

|                                |                   |
|--------------------------------|-------------------|
| Hydro:                         | 20,584 MW (53.2%) |
| Coal:                          | 5,866 MW (12.8%)  |
| Combustion turbines:           | 6,193 MW (16%)    |
| Cogeneration:                  | 3,098 MW (8%)     |
| Imports:                       | 1,408 MW (3.7%)   |
| Nuclear:                       | 1,130 MW (2.5%)   |
| Renewables:                    | 160 MW (0.4%)     |
| Other miscellaneous resources: | 258 MW (0.6%)     |

### Firm energy (12-month annual avg.) 29,124 aMW

|                                |                    |
|--------------------------------|--------------------|
| Hydro:                         | 11,887 aMW (40.8%) |
| Coal:                          | 5,105 aMW (17.5%)  |
| Combustion turbines:           | 5,428 aMW (18.7%)  |
| Cogeneration:                  | 2,613 aMW (9.0%)   |
| Imports:                       | 776 aMW (2.7%)     |
| Nuclear:                       | 1,030 aMW (3.5%)   |
| Renewables:                    | 1,997 aMW (6.8%)   |
| Other miscellaneous resources: | 287 aMW (1.0%)     |

11/ Forecast figures from BPA's "2013 Pacific Northwest Loads & Resources Study." Firm resource projections before adjustment for reserves, maintenance and transmission losses. The hydro capacity is reduced by an operational peaking adjustment to estimate the monthly maximum operational capability that is available to meet the 120-hour peak load for 1937 critical-water conditions. For January 2014, the reduction is -8,043 peak MW.

## Federal Generation

|   |           |
|---|-----------|
| Hydro generation  | 8,540 aMW |
| Total generation  | 9,559 aMW |
| 60-min. hydro peak generation                             | 14,000 MW |
| 60-min. total peak generation                             | 15,176 MW |
| All-time 60-min. total peak generation record (June 2002) | 18,139 MW |

## Fish & Wildlife

(\$ in millions)

|  |       |
|--|-------|
| BPA F&W program expense <sup>12/</sup><br>(does not include \$156 million capital) | \$239 |
| Direct funded expenditures   | 79    |
| Interest, depreciation & amortization expenses                                     | 143   |
| Total direct costs   | \$461 |
| Operational impacts:   |       |
| Replacement power purchases  | 86    |
| Estimated foregone power revenues  | 135   |
| Total F&W costs for FY 2013  | \$682 |

BPA has committed nearly \$13.8 billion since 1978 to support Northwest fish and wildlife recovery.

12/ Integrated program and action plan/high priority.

## Energy Efficiency<sup>13/</sup>

|                         | FY 2013 | Total <sup>14/</sup> |
|-------------------------|---------|----------------------|
| <b>Megawatts saved</b>  |         |                      |
| Residential programs    | 20 aMW  | 413 aMW              |
| Commercial programs     | 25 aMW  | 318 aMW              |
| Industrial programs     | 19 aMW  | 210 aMW              |
| Agricultural programs   | 7 aMW   | 51 aMW               |
| Multi-sector programs   | 0 aMW   | 109 aMW              |
| Improved building codes | 0 aMW   | 189 aMW              |
| Market transformation   | 10 aMW  | 207 aMW              |
| Total aMW saved         | 81 aMW  | 1,497 aMW            |

13/ All figures are preliminary, unofficial and subject to final revision.

14/ Cumulative total, FY 1982-2013.

## Points of Contact

### General BPA offices & website

**BPA Headquarters** — 905 N.E. 11th Ave., P.O. Box 3621, Portland, OR 97208 • 503-230-3000 • [www.bpa.gov](http://www.bpa.gov)

**Public Information Center** — 905 N.E. 11th Ave., P.O. Box 3621, Portland, OR 97208 • 503-230-INFO [4636] • 800-622-4520

**Public Engagement** — P.O. Box 14428, Portland, OR 97293-4428 • 800-622-4519 • [www.bpa.gov/comment](http://www.bpa.gov/comment)

**Washington, D.C. Office** — Forrestal Bldg., Room 8G-061, 1000 Independence Ave., S.W., Washington, DC 20585 • 202-586-5640

**Crime Witness Program** — To report crimes to BPA property or personnel • 800-437-2744

### Transmission Services

**Transmission Services Headquarters** — P.O. Box 491, Vancouver, WA 98666-0491 • 360-418-2000

**Covington District** — 28401 Covington Way S.E., Kent, WA 98402 • 253-638-3770

**Eugene District** — 86000 Hwy. 99 S., Eugene, OR 97405 • 541-988-7401

**Idaho Falls Regional Office** — 1350 Lindsay Blvd., Idaho Falls, ID 83402 • 208-612-3100

**Kalispell District** — 2520 U.S. Hwy. 2 East, Kalispell, MT 59901 • 406-751-7800

**Longview District** — 3750 Memorial Park Drive, Longview, WA 98632 • 360-414-5601

**Olympia Regional Office** — 5240 Trospen Rd. S.W., Olympia, WA 98512-5623 • 360-570-4300

**Redmond District** — 3655 S.W. Highland Ave., Redmond, OR 97756 • 541-516-3200

**Salem District** — 2715 Tepper Lane N.E., Keizer, OR 97303 • 503-304-5900

**Snohomish District** — 914 Ave. D, Snohomish, WA 98290 • 360-563-3600

**Spokane District** — 2410 E. Hawthorne Rd., Mead, WA 99201 • 509-466-3833

**The Dalles District** — 3920 Columbia View Dr. E., The Dalles, OR 97058 • 541-296-4694

**Tri-Cities District** — 3404 Swallow Ave., Pasco, WA 99301 • 509-542-5459

**Wenatchee District** — 13294 Lincoln Park Rd., East Wenatchee, WA 98802 • 509-886-6019

### Power Services

**Bend Customer Service Center** — 1011 S.W. Emkay Dr., Suite 211, Bend, OR 97702 • 541-318-1680

**Burley Customer Service Center** — 2700 Overland, Burley, ID 83318 • 208-677-6775

**Eastern Area Customer Service Center** — 707 W. Main Ave., Suite 500, Spokane, WA 99201 • 509-625-1300

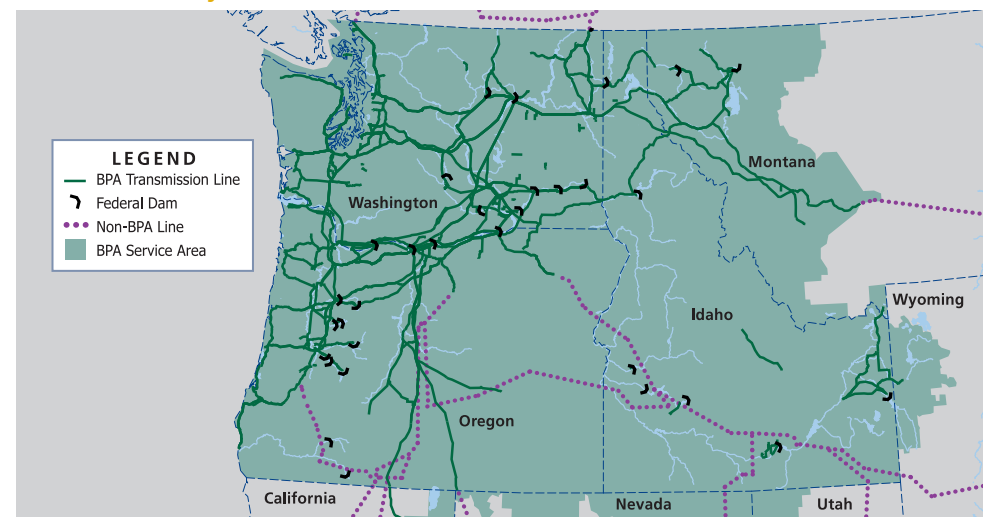
**Montana Customer Service Center** — P.O. Box 640, Ronan, MT 59864 • 406-676-2669

**Richland Customer Service Center** — Kootenai Bldg., Room 214, North Power Plant Loop, P.O. Box 968, Richland, WA 99352 • 509-372-5088

**Seattle Customer Service Center** — 909 First Ave., Suite 380, Seattle, WA 98104-3636 • 206-220-6770

**Western Area CSC** — 905 N.E. 11th Ave., P.O. Box 3621, Portland, OR 97208 • 503-230-5204

## Transmission System and Federal Dams



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