

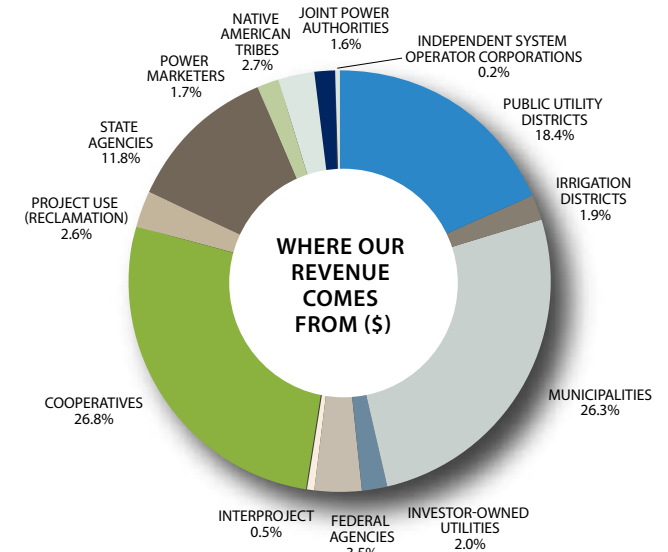
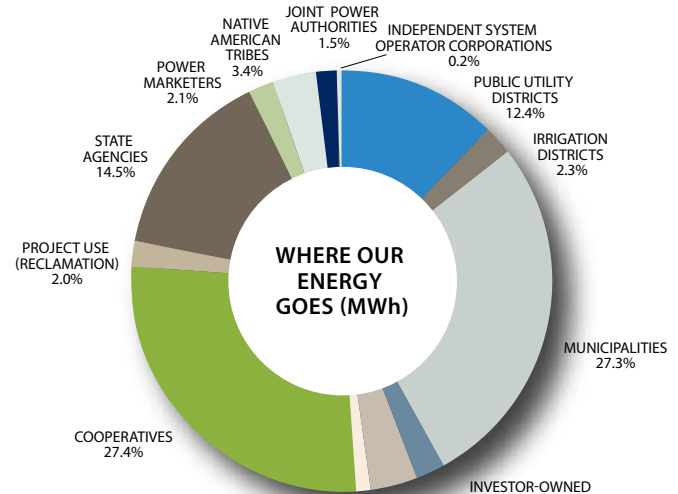
# FY 2015 Western at a glance

## About Western

Western Area Power Administration is a federal organization under the Department of Energy that markets and delivers clean, renewable, reliable, cost-based federal hydroelectric power and related services across 15 central and western states.

Western's 1,441 employees work around the clock to sell power and operate and maintain an integrated 17,000-plus circuit mile, high-voltage transmission system that provides wholesale energy to not-for-profit utilities who then provide electricity to more than 40 million people in the West.

Western also runs the Transmission Infrastructure Program, which develops and upgrades new and existing electrical infrastructure to facilitate the delivery of renewable generation.



## Marketing profile

FY 2015

Long-term energy sales	26.6 billion kWh
Pass-through energy sales	0.5 billion kWh
Other energy sales	4.9 billion kWh
<b>Total</b>	<b>32.0 billion kWh</b>

## Financial profile

Sales of electric power	\$910.7 million
Total operating revenues	\$1,345.8 million
Total operating expenses	\$1,023.6 million
Purchased power and transmission expenses	\$266.0 million

## Assets

Powerplants <sup>1</sup>	57
Installed capacity (MW)	10,503
Net generation (GWh)	28.4
Substations	319
Transmission line miles	17,231

## Customers

681<sup>2</sup>

Firm electric service (long-term)	579
Term, nonfirm, seasonal, peaking (other)	85
Project use	84
Interproject	5

<sup>1</sup> Includes 56 hydropower and 1 coal-fired powerplants.

<sup>2</sup> Total removes 72 duplicate customers who are listed in more than one category and project.

## Long-term and other customers by state<sup>1</sup>

Arizona	92
California	80
Colorado	45
Iowa	54
Kansas	14
Minnesota	69
Montana	14
Nebraska	77
Nevada	15
New Mexico	40
North Dakota	40
South Dakota	64
Texas	5
Utah	20
Wyoming	11
Other <sup>2</sup>	24

## Long-term and other customers by category

Municipalities	294
Cooperatives	65
Public utility districts	13
Federal agencies	42
State agencies	52
Irrigation districts	43
Native American tribes	93
Investor-owned utilities	26
Power marketers	28
Joint power authorities	4
Transportation districts	2
Independent system operators	2

<sup>1</sup> Excludes project-use and interproject customers.

<sup>2</sup> States that fall outside Western's marketing area.

# Functional responsibilities

## Western's mission and vision

**Mission** - Market and deliver clean, renewable, reliable, and cost-based hydroelectric power and related services.

**Vision** - Provide premier power marketing and transmission services to our customers, as well as contribute to enhancing America's energy security and sustaining our nation's economic vitality.

**Construction** – Engineers throughout Western are responsible for the construction of new and upgraded transmission lines and related facilities.

**Design** – Western's Design staff provides transmission system engineering services and expertise with an emphasis on substation, transmission line and building designs.

**Maintenance** – Western's Maintenance staff, which makes up more than one-half of Western's workforce, focuses on reliability and providing superior customer service in keeping the system in good operating condition.

**Natural Resources** – The Natural Resources Office is made up of Environment and Lands teams. The Environment team focuses on environmental planning and compliance, National Environmental Policy Act compliance, cultural resources and endangered species issues, and hazardous material transportation. The Lands team assists in the development, acquisition and management of land and land rights required for Western's transmission system.

**Planning** – Western's Planning staff conduct short-and long-term planning studies to assess the impacts to power flows on the transmission system in response to upgraded or new facilities that intend to interconnect to Western's grid. They also actively participate in regional planning groups to ensure Western's support and involvement in collaborative future planning.

**Power Marketing** – Western primarily markets wholesale federal power.

**Power System Operations** – Western's Power System Operations staff is responsible for the reliable operations of Western's transmission system and multiple balancing authorities.

**Transmission Infrastructure Program** – This Western program is responsible for developing transmission and related technology projects to deliver, or facilitate the delivery of, renewable energy. To accomplish this, Congress granted Western \$3.25 billion in borrowing authority through the American Recovery and Reinvestment Act of 2009.

**Transmission Marketing** – Western is also in the business of transmission marketing. Utilities may purchase available transmission capacity on Western's system after meeting Western's capacity needs to deliver federal hydropower to its firm power customers. Available transmission capacity is sold on Western's Open-Access, Same-Time Information System.

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Western works with many regulating entities within the electrical industry to meet industry standards and guidelines. These entities include:

**Federal Energy Regulatory Commission (FERC)** – Although FERC does not have jurisdiction over Western for most purposes, Western is a transmitting utility subject to FERC jurisdiction under Section 211 of the Federal Power Act. Additionally, because Western is a major transmission system owner and provides wholesale electricity across the West, it voluntarily chooses to follow many FERC rules and has an Open Access Transmission Tariff on file with FERC.

**North American Reliability Corporation (NERC)** – Western is a member of the Western Electricity Coordinating Council (WECC) and the Midwest Reliability Organization (MRO), two of NERC's eight reliability councils. As a transmission provider, Western is responsible for the reliable operation and maintenance of its transmission system by complying with all NERC Reliability Standards.

