

FAST FACTS

An Overview of the SPP System

SPP has members in 14 states: Arkansas, Iowa, Kansas, Louisiana, Minnesota, Missouri, Montana, Nebraska, New Mexico, North Dakota, Oklahoma, South Dakota, Texas and Wyoming.

- **Service territory:** 546,000 square miles (approx.) (2019)
- **Substations:** 5,003 (2019)
- **Generation plants:** 757 (2019)
- **Miles of transmission:** 66,892 (2019)
- **Coincident peak load:** 50,622 MW (July 21, 2016)
- **Generating capacity:** 89,999 MW (based on nameplate capacity as of Jan. 1, 2019)
 - 40.3% natural gas
 - 28.6% coal
 - 22.9% wind
 - 3.8% hydro
 - 2.3% nuclear
 - 1.8% fuel oil
 - 0.2% solar
 - 0.1% other
- **Energy production:** 275.8 TWh in 2018
 - 42.4% coal
 - 23.5% wind
 - 23.4% natural gas
 - 5.4% nuclear
 - 4.8% hydro
 - 0.2% fuel oil
 - 0.2% solar
 - 0.1% other

Primary Services Provided to Members and Customers

SPP provides many services to its members and customers. These services include:

- **Reliability Coordination:** SPP monitors power flow throughout our footprint and coordinates regional response in emergency situations or blackouts.

- **Tariff Administration:** SPP provides "one-stop shopping" for use of the region's transmission lines and independently administers an **Open Access Transmission Tariff** with consistent rates and terms. SPP processed an average of 7,900 member transmission service requests per month in 2018. 2018 transmission service transactions totaled \$4.47 billion.
- **Regional Scheduling:** SPP ensures the amount of power sent is matched with power received.
- **Transmission Expansion:** SPP's **planning processes** seek to identify system limitations, develop transmission upgrade plans, and track project progress to ensure timely completion of system reinforcements.
- **Market Operations:** The **Integrated Marketplace** launched in 2014, replacing the Energy Imbalance Service (EIS) market. It includes a day-ahead market with transmission congestion rights, a reliability unit commitment process, a real-time balancing market replacing the EIS market, and the incorporation of price-based operating reserve procurement. SPP's own analysis showed its markets provide participants with net savings of \$570 million annually.
- **Training:** SPP offers continuing education for operations personnel at SPP and throughout the region. SPP's 2018 training program delivered over 30,240 training hours to 157 organizations, representing reliability, train-the-trainer, Integrated Marketplace and transmission settlement courses.