

## Where Does Burbank's Power Come From?

*Burbank Water and Power gets electricity from a number of sources, using a wide variety of technologies and fuels, located in California, Arizona, Nevada, Washington, Wyoming, and Utah. Here is one.....*



Located in western Nevada, Don Campbell geothermal is a new 25 megawatts (MW) geothermal power plant. Geothermal uses the earth's heat to produce steam, which then drives a steam turbine-generator to produce electricity. Geothermal is not intermittent unlike wind and solar. It is designed to operate continuously, not just when the wind blows or the sun shines. This makes geothermal easier to integrate into BWP's operations.

Geothermal is technically challenging. The geothermal steam can be uncertain and can be very wearing on plant equipment. The plant uses a high portion of a facility's own energy production in the operation of the facility. This is primarily due to the extensive network of geothermal wells and pipelines associated with a

geothermal plant. Don Campbell's capacity is 25 MW but the net facility output is closer to 16 MW.

BWP has contracted to purchase approximately 2.2 MW for 20 years. The contract was secured through Burbank's membership in the Southern California Public Power Authority better known as SCPPA. Fellow SCPPA member Los Angeles Department of Water and Power purchases the balance of the project's output.

Don Campbell helps BWP comply with California's Renewable Energy Standards which mandate that California utilities procure a significant portion of their energy from renewable sources. BWP currently receives about 25% of its energy from renewable sources, increasing to 33% by 2020.