

Why we need a diverse power supply

Associated Electric Cooperative Inc.

A Touchstone Energy® Cooperative



Power supply facts

... to ensure
reliable,
affordable
electricity

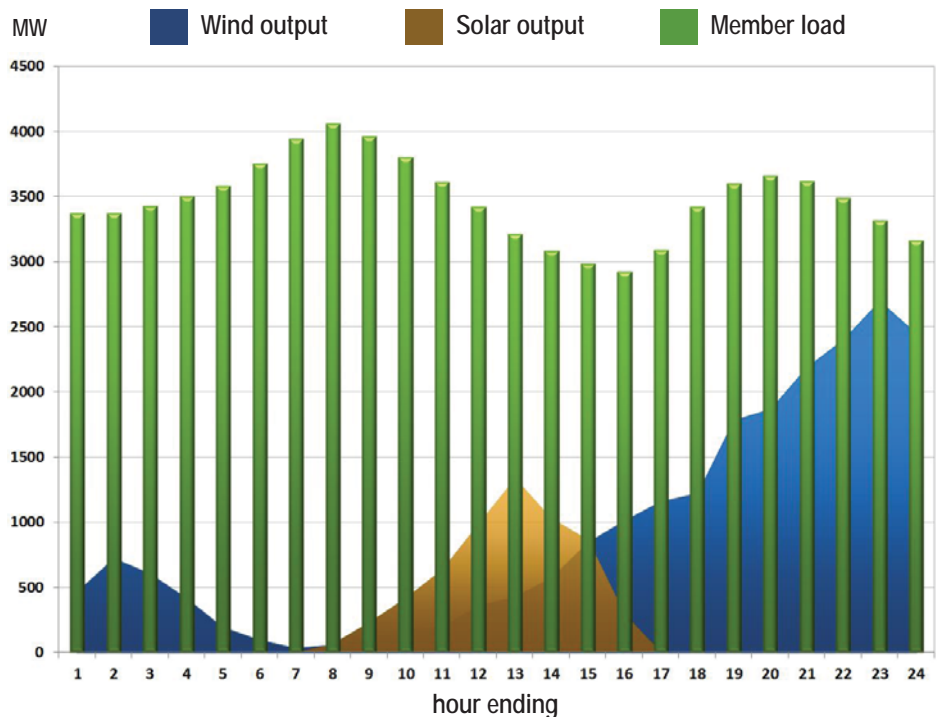
There are some that would have you believe the solution to climate change is as simple as building more wind and solar generation.

The simple truth is generation output from a solar array or wind turbine does not typically coincide with when we need resources to meet our member peak load – early in the morning on a cold winter's day or late in the day on a hot summer day.

That is why having a diverse power supply that includes baseload resources like coal and gas is so important. The charts show that replacing our existing 5,000 megawatts of coal and gas with 5,000 megawatts of wind or solar would not meet our members' need for power.

Chart information is based on actual hourly output from existing AECl wind generation and the Platte-Clay Solartech community solar project extrapolated to equal 5,000 megawatts of capacity.

Peak load comparisons – Jan. 18, 2016



Peak load comparisons – July 28, 2015

