



THE ACWD CONNECTION



ACWD Creates Hydroelectric Power ---A Commitment to Environmental Stewardship

Hydroelectric power is electricity that is created using energy from moving water. It is renewable energy, or “green energy,” that costs less and has fewer environmental impacts than other energy sources. Since 1993, ACWD has produced hydroelectric power reducing demands on the environment.

And just how does ACWD create hydroelectric power? Water from the South Bay Aqueduct, which sits 340 feet higher than ACWD’s treatment plant, travels downhill as it enters the plant. Turbines capture the energy from this falling water, which generates electricity. With 24/7 operations, the facility makes both electricity and drinking water around-the-clock!

When the treatment plant is producing 21 million gallons per day (MGD) in the summertime, approximately 6 million KW-hours of electricity can be produced each day. That’s enough electricity to power 450 four-person homes for one year!

Water can do amazing things, and creating hydroelectric power is one of them. By using this renewable energy source, ACWD is able to reduce operating costs *and* minimize use of less sustainable energy sources – a winning strategy for our customers and the environment!



Turbine generator



Proud to provide a reliable supply of high quality water at a reasonable price to Fremont, Newark and Union City

