

Don't Let Your Pool Drain Your Wallet

Learn How to Reduce Your Pool Pump Electricity Use by 70%

Did you know that the largest energy user in your home is probably your pool pump?

	Est. Annual Usage
Clothes Washer	110 kWh
Central A/C	493 kWh
Dryer	587 kWh
Television	620 kWh
Refrigerator	725 kWh
Freezer	898 kWh
Water Heater	2,149 kWh
Pool Filter Pump	3,794 kWh

Source: 2010 CEC CA Residential Appliance Saturation Survey

By converting to an energy efficient variable speed pool pump you can **reduce the energy usage of your pool pump by 70%** and your **total energy usage by up to 30%**!



"We are delighted that in the first two months with the new variable speed pool pump we are averaging over \$50/month in electricity savings."

-Jeff & Mardee Layton, Santee Homeowners
North Cuyamaca neighborhood

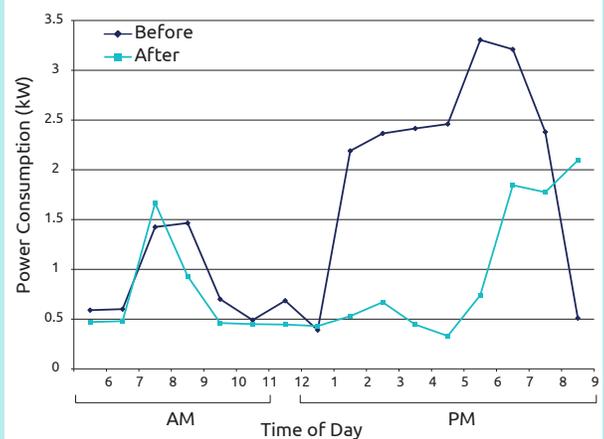
CURRENT POOL SYSTEM VS. NEW POOL SYSTEM

	Current	New
Pump Info		
Manufacturer	Pentair	Pentair
Model	Whisperflo	IntelliFlo® VS-3050 Variable Speed
Type	Single Speed	Variable Speed
		Filter Speed Clean Speed
HP/Speed	2 HP	1400 RPM 2400 RPM
Watts	2040 W	184 W 794 W
Flow	130 GPM	41 GPM 68 GPM
Hours Per Day	6 Hours	7 Hours 2 Hours
Turns Per Day		1.2 Turns
		(0.2 Turns Above Target)
Current Monthly Electricity Use	New Monthly Electricity Use	
Pool Pump	372 kWh	87 kWh
Current Electrical Costs	New Electrical Costs	
Monthly Cost	\$93.02	\$21.86
Annual Cost	\$1,116.90	\$262.44

Energy Audit and Installation completed by Payan Pool Service, Santee, CA

The Layton family was paying high monthly energy bills, but by replacing their pool pump with a variable speed model, they are able to **save \$70/month or \$850/year** while improving the water quality of their pool.

SMART METER INTERVAL DATA



Old Pool Pump Ran from 2:00 p.m. to 8:00 p.m.

Power Draw of Old Pool Pump was > 3 Times Layton's Base House Load

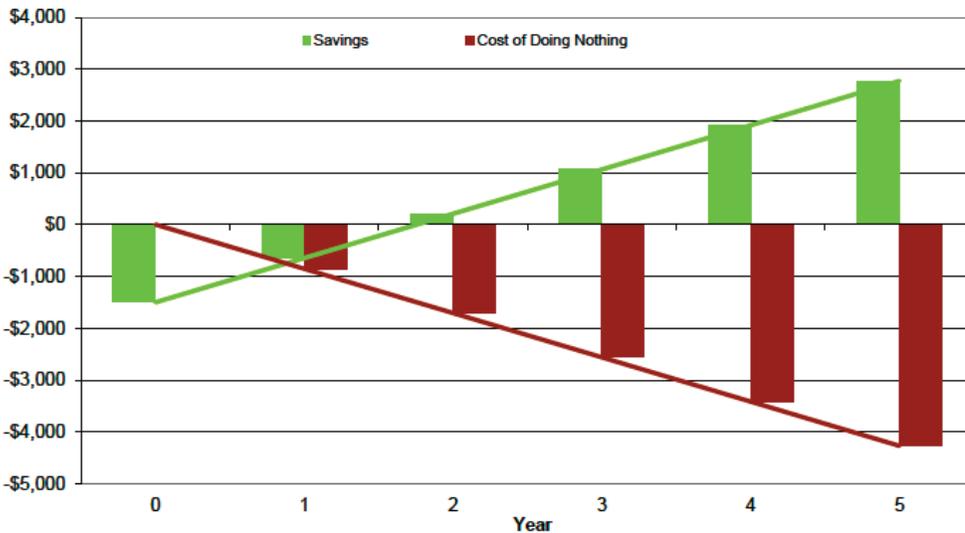
Jeff and Mardee Layton and their two young children enjoy backyard barbecues with friends and neighbors. They also enjoy keeping cool during the hot Santee summers in their beautiful pool, but the high electricity bills take a significant bite into their available discretionary income.

After speaking with a trained and licensed pool service contractor, Jeff and Mardee learned that they could upgrade their 2-horsepower single speed pool pump to a variable speed pump that runs a longer total cycle time but at significantly lower power. Their first two electricity bills with the new variable speed pump in operation have averaged over \$50 per month in lower electricity bills compared to those same two months in the previous year. They also noted that at the lower operating speeds not only is the new pump quieter, but the clarity of the water is even better. The new pump's programmable timer has also been set so that it no longer runs at the higher cleaning speed between the peak demand hours of 11:00 a.m. and 6:00 p.m.



- Layton's save >\$800 annual electricity cost
- Pump pays for itself in <2 years
- Layton's save > \$4,000 over the next 5 years, compared to if they didn't upgrade their pool pump

RETURN ON INVESTMENT



Jeff and Mardee Layton and their contractor took advantage of SDG&E's \$200 rebate which resulted in a net installation cost of \$1500 -- and with the energy savings the new system provides, it will pay for itself in just 21 months. They justified this initial \$1,500 investment when their pool contractor shared with them the chart above which shows that if they didn't do the upgrade they would have to spend more than \$4200 in higher electric bills over the next 5 years.

If you currently have a pool with a single speed filter pump, contact a C-53 or C-61 certified pool contractor that can make this upgrade, so that you too can start saving. **You can confirm their Active Contractor's License at www.cslb.ca.gov on the left side "check a License or HIS Registration" tab.**



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