

Pool Pump Upgrade through the SMUD Home Performance Program Save Up to \$760 on Your Electricity Bill This Year

WHAT IS A POOL PUMP?

A pool pump is a device that recirculates pool water through a filter to ensure the water in your pool stays clean. A pump typically circulates the entire volume of your pool once per day.

Pump speed types

There are three basic speeds of pool pump: single-speed, two-speed, and variable-speed. A single-speed pump has only one speed setting. It runs on “high” the entire time it is used. A two-speed pump has a “low” and a “high” setting. The high speed is used only for vacuuming or circulating heated water.

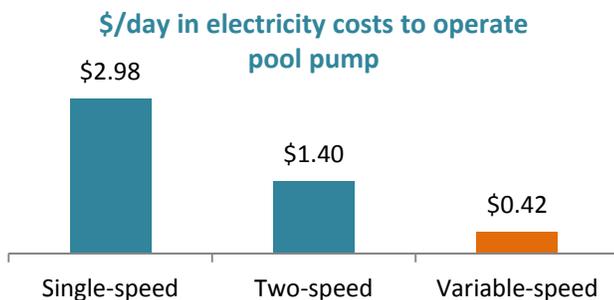
Both single-speed and two-speed pumps use old-fashioned induction motors, which are louder and less efficient than variable-speed pumps.

Variable-speed pumps use a permanent magnet motor — the same technology under the hood of most electric hybrid cars. Instead of being locked in to one of two pumping speeds, variable-speed pump technology finds the exact speed needed to optimize efficiency.

Overall, a variable-speed pump is 30-90% more efficient than your existing single-speed or two-speed pump.

HOW MUCH MONEY DOES MY POOL PUMP USE?

It costs almost \$3 every day to run a pump in a typical pool in the SMUD service area.¹ If you have a two-speed pump, that cost is about \$1.40 per day.



¹ <http://www.pentairpool.com/support/calculators/pool-pump-calc/index.htm>. 20,000 gallon pool, 8 hours per day, at SMUD’s Tier 2 electricity rates (\$0.18/kWh)

Over the course of a year, this can add up to big spending: \$903 if you operate your single-speed pump 10 months a year.



Variable-speed pool pump. Source: Pentair.

HOW MUCH MONEY CAN I SAVE WITH A POOL PUMP UPGRADE?

Replacing a single-speed pool pump with a variable-speed pool pump can save you \$2.56 per day, or up to \$760 a year!

WHAT REBATES ARE AVAILABLE FOR VARIABLE-SPEED POOL PUMPS THROUGH THE SMUD HPP?

If you have a single-speed pool pump: \$400

If you have a two-speed pool pump: \$250

HOW DO I UPGRADE MY POOL PUMP?

Ask your SMUD Home Performance Program contractor about whether a pool pump upgrade is right for your home. Your contractor can install the pump themselves, or work with a certified pool pump professional to install the pump.

FOR MORE INFORMATION

For more information about energy efficiency incentives available through SMUD, contact Jim Mills at james.mills@smud.org.

For more information about duct installation:

<http://www.eere.energy.gov/>

<http://www.energystar.gov/>