



## A new, variable speed pool pump can cool down your energy bills



Owners of single-family homes can make a big splash with energy savings by replacing their swimming pool's old, single-speed pumps with variable-speed pumps.

### Savings can run up to \$1,000 a year

You should know that single-speed pool pumps are prohibited and you can save more by purchasing a variable-speed pool pump. For single family pool owners, a single-speed pump often uses more energy than any other appliance in a home. A two-speed pump can cut energy use up to 55%. Because a variable speed pump's speed, power, and energy usage can be set to just what is needed, replacing a residential pool's filtration pump with a variable-speed model can **cut pool pump energy use by up to 75%**.

### Increased savings plus rebates

PG&E strongly recommends that homeowners exceed the minimum requirement of purchasing a two-speed pump set by Title 20 and purchase a variable-speed pump. The variable-speed approach offers increased savings for little additional cost. What's more, utility rebates are available for qualified products.

The advantages of variable-speed pumps are clear. Older pool pumps with only a single speed draw the same, large amount of power whenever they run. Two-speed pumps and motors offer some energy savings with reduced speed for pool filtration, yet they do not offer the flexibility and savings that can be achieved by purchasing a variable-speed pump.

**Variable-speed pumps enable the speed, power and energy usage to be set to a pool's individual conditions. The savings are significant.**



### Single-speed filtration pumps are prohibited in California

California has adopted energy-efficiency regulations regarding the sale of inefficient, costly-to-operate pumps and motors. The California Energy Commissions' Appliance Efficiency Regulations (Title 20) prohibit the sale of single-speed residential pool filtration pumps or replacement motors with a capacity of one horsepower or over.

Contractors and pool-supply stores should not sell these products. They don't meet regulations because they eat up energy, which eats away at your budget. And they contribute to increased carbon emissions, which damages our environment. So it makes no sense for anyone to buy them inside or outside California.

## Determining if you need a pump with two or more speeds

If a residential pool-filtration pump or replacement motor has a capacity of one or more horsepower (HP), it must have *two or more speeds*. It must also be installed with a CEC-approved controller that can run the pump or motor at both speeds.

It's simple to determine a pump's capacity. Multiply the nameplate horsepower (HP) by the pump's service factor (SF).

\*This pump's HP capacity measures over one horsepower, so a motor with at least two speeds is legally required.

### EXAMPLE: TO FIGURE PUMP CAPACITY

.75 Horsepower (HP)

X 1.65 Service Factor (SF)

1.24 HP Capacity\*

If you need a new pump, or simply want to reduce your energy costs, this is a great time to purchase a variable-speed pump. Qualifying products can be found on [www.pge.com/pools](http://www.pge.com/pools) or in the Appliance Efficiency Database on the CEC's website at [www.energy.ca.gov/appliances](http://www.energy.ca.gov/appliances).



## Dive in and control your energy bills

Replace your residential pool filtration pump with a variable-speed model now. You'll save money as you enjoy your pool over the years to come.

Ask your contractor about variable-speed pumps and a rebate application form or visit [www.pge.com/pools](http://www.pge.com/pools).