

IPSSAN ARTICLE  
California Energy Commission  
Adoption of Amendments to California Title 20

On December 3, 2008 the California Energy Commission voted to adopt the final 15-day language of amendments to Title 20. Included within the amendments were clarification amendments and the additional regulation of swimming pool replacement motors. Several definitions were fine-tuned and became an integral part of interpreting the implementation requirements of the regulation. The addition of replacement motors was deemed to be a significant change to Title 20; therefore there is a delay to January 1, 2010 before replacement motors are regulated. Until January 1, 2010 replacement motors not regulated and exact replacement is allowable. As for pump installation,  $\frac{3}{4}$  HP **nameplate** pumps are allowable until January 1, 2010. The 2008 language did not define the word "capacity" as used in the regulation. Effective January 1, 2010 the term capacity will be defined as **total horsepower**. Total horsepower is defined as the product of the motor's rated horsepower multiplied by the motor's stated service factor. Full rated  $\frac{3}{4}$  HP pumps normally have a total horsepower rating of 1.25 HP and will exceed the regulatory threshold. Therefore, full rated  $\frac{3}{4}$  HP pumps manufactured on or after January 1, 2010 and sold as filter circulation pumps, shall be capable of operating at least two speeds and be controlled by an appropriate timer control defaulting to the low speed which shall be no more than  $\frac{1}{2}$  the motor's maximum rotation speed.

There were additional requirements placed on manufacturers for reporting the energy efficiency of pumps. There was 3<sup>rd</sup> flow curve; curve C, added to the reporting requirements. Manufacturer reporting information can be found on the Energy Commission website.

Manufacturer labeling requirements are clearly stated in the amendments.

1. Pump motors must be labeled with the Total Horsepower of the motor.
2. Pumps must be labeled with their rated horsepower.
3. Two-speed, multi speed and variable speed pumps must be labeled with a notice that an appropriate controller must be used with the pump.

There will be a more through discussion on the impact and implementation of Title 20 at the IPPSSA Energy Conference to be held in conjunction with the Leadership Seminar in February 2009. Look for more information in this months IPSSAN.

Photos Attached:

Terry Snow and Bob Nichols on the steps of the California Capitol Building  
Dec 3, 2008