

## CALIFORNIA ENERGY COMMISSION

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## Regulatory Advisory

### Residential Pool Pump and Motor Combinations and Replacement Residential Pool Pump Motors

California's Appliance Efficiency Standards (California Code of Regulations (CCR), Title 20, Section 1601, et seq.) require residential pool pump and motor combinations and replacement residential pool pump motors sold or offered for sale in California to be certified to the California Energy Commission and appear in the Commission's Modernized Appliance Efficiency Database. The Appliance Efficiency Standards allow the certification of five types of motor construction: Permanent Split Capacitor (PSC), Capacitor Start-Capacitor Run, Electrically Commutated Motor (ECM), Capacitor Start-Induction Run, or Split Phase. Permanent magnet synchronous motors (PMSM) are not a permissible motor construction type listed in the regulation and cannot be sold or offered for sale in California (See CCR, Title 20, Section 1606, Table X, Subsection G).

At the Energy Commission's March 8, 2017, Business Meeting, Commission staff will propose an emergency rulemaking to add PMSM motors as a permissible motor construction type to CCR, Title 20, Section 1606, Table X, Subsection G. In the meantime, Energy Commission staff will not refer matters involving PMSM motors for penalties or other enforcement action against distributors, importers, manufacturers, or retailers that have not certified their residential pool pumps powered by PMSM motors, to the Commission's Appliance Database.

#### For more information

To obtain a copy of the CCR or other related compliance assistance documents, visit the Appliance Efficiency Program website at <http://www.energy.ca.gov/appliances>. Additional questions may be addressed by calling the Appliances Hotline, toll free at (888) 838-1467, or outside California at (916) 651-7100, or by emailing [appliances@energy.ca.gov](mailto:appliances@energy.ca.gov).