

## DOCKETED

<b>Docket Number:</b>	17-AAER-03
<b>Project Title:</b>	Appliance Efficiency Standards Emergency Rulemaking for Residential Pool Pump and Motor Combinations
<b>TN #:</b>	216285
<b>Document Title:</b>	Notice of Consideration and Possible Adoption of Emergency Regulations for Residential Pool Pump Motors
<b>Description:</b>	Notice of Consideration and Possible Adoption of Emergency Regulations to Amend the Appliance Efficiency Regulations for Residential Pool Pump Motors in California Code of Regulations - Wednesday, March 8, 2017
<b>Filer:</b>	Sean Steffensen
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Commission Staff
<b>Submission Date:</b>	2/28/2017 2:08:26 PM
<b>Docketed Date:</b>	2/28/2017

**CALIFORNIA ENERGY COMMISSION**

1516 Ninth Street  
Sacramento, California 95814

Main website: [www.energy.ca.gov](http://www.energy.ca.gov)

CEC-70 (Revised 10/16)



In the matter of:	)	Docket No. 17-AAER-03
	)	
Appliance Efficiency Regulations for	)	RE: Emergency Regulations to
Residential Pool Pump and Motor	)	Amend the Appliance Efficiency
Combinations	)	Regulations for Residential Pool
	)	Pump and Motor Combinations

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**Notice of Consideration and Possible Adoption of  
Emergency Regulations to Amend the Appliance  
Efficiency Regulations for Residential Pool Pump and  
Motor Combinations and Replacement Residential  
Pool Pump Motors in California Code of Regulations,  
Title 20, Sections 1602 (g), and 1606, Table X and  
Finding of Emergency Pursuant to  
Government Code Section 11346.1**

The California Energy Commission will conduct a hearing to consider adoption of the proposed *Emergency Regulations to Amend the Appliance Efficiency Regulations for Residential Pool Pump and Motor Combinations and Replacement Residential Pool Pump Motors in California Code of Regulations, Title 20, Sections 1602 (g), and 1606, Table X*, attached hereto as Attachment A, and the proposed *Finding of Emergency Pursuant to Government Code Section 11346.1*, attached hereto as Attachment B.

Wednesday, March 8, 2017  
10 a.m.  
CALIFORNIA ENERGY COMMISSION  
1516 Ninth Street  
First Floor, Arthur Rosenfeld Hearing Room  
Sacramento, California  
Wheelchair Accessible

Remote Access Available by Computer or Phone via WebEx™  
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## **Background**

Staff proposes to allow the certification of permanent magnet synchronous motors (“PMSM” or “PMSM motor”), found in residential pool pump and motor combinations or used as replacement residential pool pump motors, to the Commission. Specifically, staff proposes to amend California Code of Regulations, Title 20, section 1602(g) to define PMSM motors and to amend California Code of Regulations, Title 20, section 1606, Table X, subsection G, to add “permanent magnet synchronous” as a permissible motor construction type for residential pool pump motors. These proposed changes would allow pool pumps powered by PMSM motors to be certified and appear in the California Appliance Efficiency Database and to be sold or offered for sale in California.

The Commission may adopt these amendments to the appliance efficiency regulations pursuant to the authority granted by Public Resources Code sections 25213, 25218(e), and 25402(a)-25402(c). Public Resources Code sections 25402(a)-25402(c) require the Commission to reduce the wasteful, uneconomic, inefficient, or unnecessary consumption of energy, including prescribing, by regulation, standards for minimum levels of operating efficiency and other cost-effective measures that are found to reduce a significant amount of energy consumption on a statewide basis, to be feasible, and to be cost-effective for California consumers and businesses.

Residential pool pump motors manufactured on or after January 1, 2006 and sold or offered for sale in California are subject to appliance efficiency regulations that require mandatory testing, certification, and marking requirements. The regulations set design standards for pool pump and motor combinations and replacement pool pump motors. These design standards prohibit the sale or offer for sale of two types of inefficient residential pool pump motors, split phase and capacitor start-induction run type motors, to encourage the use of more efficient residential pool pump motors. The appliance efficiency regulations monitor compliance with this requirement by requiring manufacturers to certify the motor construction type by choosing from a list of five motor construction types. PMSM motors are not included in this list of motor construction types. In November 2015, manufacturers notified the Commission about their inability to certify residential pool pumps powered by PMSM motors to comply with the appliance efficiency regulations. As a result, residential pool pumps powered by PMSM motors cannot be sold or offered for sale in California.

In February 2017, Commission staff learned that the barriers to compliance with the residential pool pump motor regulations has created emergency conditions that impact the public and stakeholders affected by the existing regulations. Commission staff believes that it is necessary to define PMSM and to update the list of permissible motor construction types to allow the certification of PMSM found in residential pool pump and motor combinations or used as replacement residential pool pump motors. These changes will prevent the unavailability of storable pools containing residential pool pumps powered by PMSM motors, and provide the public with affordable, less energy consuming, residential pool pump motors.

## Public Comment

**Oral comments.** The Commission will accept oral comments during the hearing. Comments may be limited to three minutes per speaker. Any comments will become part of the public record in this proceeding.

**Written comments.** Written comments should be submitted to the Dockets Unit by 5:00 p.m. on March 7, 2017. Written comments will be also accepted at the hearing, however, the Commission may not have time to review them before the conclusion of the meeting.

Please note that your written and oral comments, attachments, and associated contact information (e.g. your address, phone, email, etc.) become part of the viewable public record. This information may become available via Google, Yahoo, and other search engines.

The Energy Commission encourages use of its electronic commenting system. Visit the website at <https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=17-AAER-03>.

This will take you to the page for adding comments to this docket. Please enter your contact information, any organization name, and a comment title describing the subject of your comments. You may include comments in the box titled "Comment Text" or attach a file in a downloadable, **searchable format** in Microsoft® Word (.doc, .docx) or Adobe® Acrobat® (.pdf). Maximum file size is 10 MB.

Written comments may also be submitted by e-mailing them (include the docket number 17-AAER-03 and Pool Pump Motors in the subject line) to the Docket Unit at:

[docket@energy.ca.gov](mailto:docket@energy.ca.gov)

If you prefer, you may send a paper copy of your comments to:

California Energy Commission  
Docket Unit, MS-4  
Re: Docket No. 17-AAER-03  
1516 Ninth Street  
Sacramento, CA 95814-5512

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If you have a disability and require assistance to participate, please contact Poneh Jones at [Poneh.Jones@energy.ca.gov](mailto:Poneh.Jones@energy.ca.gov) or (916) 654-4425 at least five days in advance.

Media inquiries should be sent to the Media and Public Communications Office at [mediaoffice@energy.ca.gov](mailto:mediaoffice@energy.ca.gov) or (916) 654-4989.

If you have questions on the subject matter of this meeting, please contact Sean Steffensen at [Sean.Steffensen@energy.ca.gov](mailto:Sean.Steffensen@energy.ca.gov) or (916) 651-2908.

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## **Availability of Documents**

Documents for this hearing will be available online at:

<https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=17-AAER-03>.

February 28, 2017

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Robert P. Oglesby  
Executive Director

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