

Results of Invitation to Participate: Residential Pool Pumps & Motors

2013 Appliance Efficiency Rulemaking
California Energy Commission

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Agenda

- ❑ Purpose
- ❑ Summary and discussions of responses received
- ❑ Open forum
- ❑ Next Steps



Purpose

- ❑ The Commission is gathering information to determine how to proceed with products listed in Phase 1 of the OIR.
- ❑ The ITP is an opportunity for stakeholders to inform the Commission's policy, direction, and process.
- ❑ ITP requests product, market, and other relevant information.
- ❑ During this session, we will discuss the results of the ITP for Residential Pool Pumps & Motors.



Information Requested

- ❑ Product definition & scope
- ❑ Existing test procedures
- ❑ Sources of test data
- ❑ Existing standards & standards in development
- ❑ Product lifetime and duty cycle
- ❑ Product development trends
- ❑ Energy-saving technologies & features
- ❑ Costs
- ❑ Market characteristics



Responses

- American Council for an Energy-Efficient Economy (ACEEE)
- Appliance Standards Awareness Project (ASAP)
- California Investor-Owned Utilities (IOU)
- Hayward Industry, Inc. (HII)
- Natural Resources Defense Council (NRDC)
- National Grid
- Northeast Energy Efficiency Partnerships (NEEP)

Link to the documents:

http://www.energy.ca.gov/appliances/2013rulemaking/documents/responses/Residential_Pool_Pumps_and_Replacement_Motors_12-AAER-2F/



Responses

Product definition & scope	All pumps motor < 5hp	Yes
Existing test procedures	IEEE 114-2001, HI 1.6-2000 T20 Section 1604 (g)(3)	Yes
Sources of test data	Existing CEC, Energy Star, APSP databases	Yes
Standards (New & Existing)	Updating test method in T20 to current IEEE 114-2010, HI 2011 and APSP 15	Yes
Product lifetime & duty cycle	All over the map	???
Product development trends	Variable speed w. better hydraulic performance	Yes



Responses

Energy-saving technologies & features	Variable speed w. better hydraulic performance What about retrofitting existing SS pumps?	???
Costs	\$200 - \$1400 depending on size	Yes
Incremental costs	No response	????
Market characteristics	No response	????
Small business	No response	????

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What's Next?

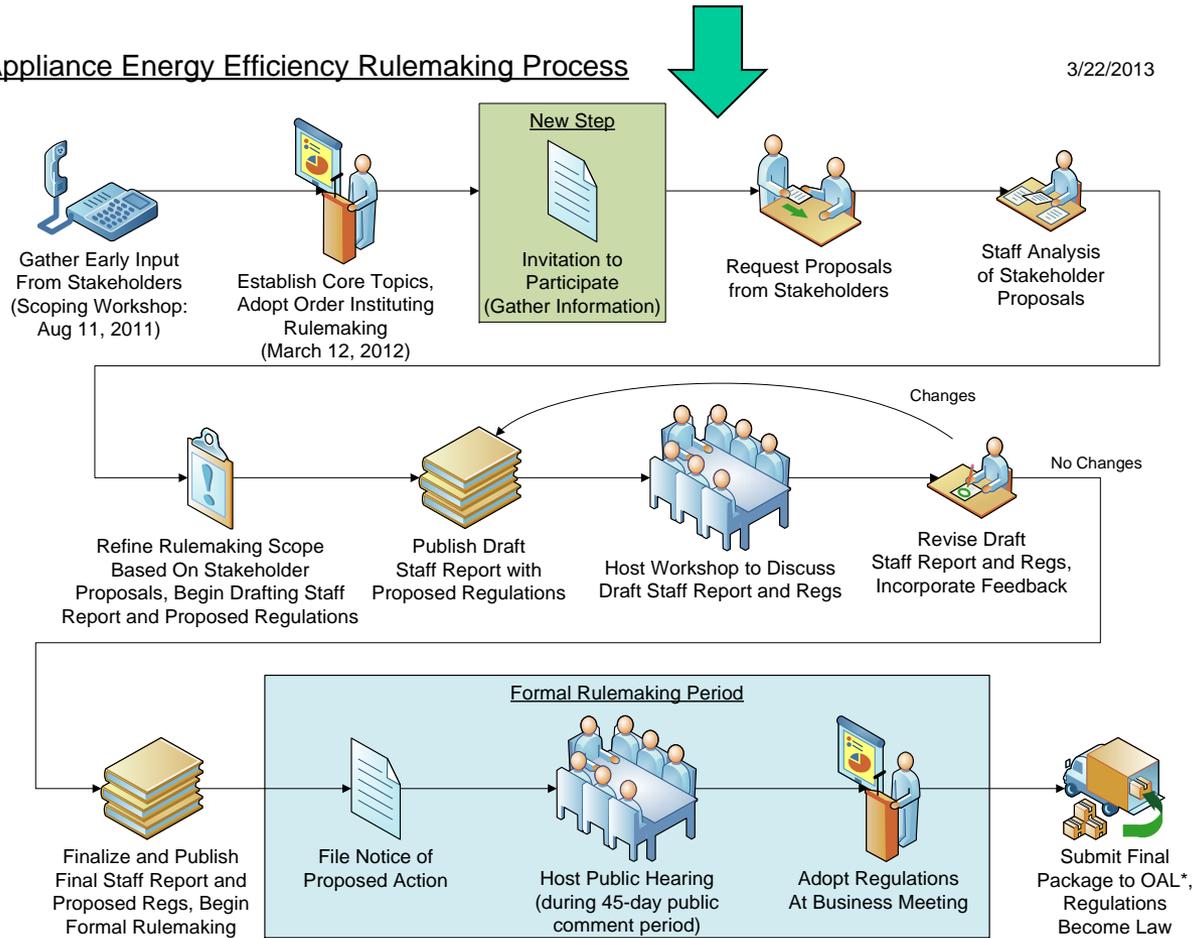
- ❑ Following the ITP workshops, the Commission staff will request proposals for new/updated efficiency standards or measures.
- ❑ Interested parties may submit proposals from **June 10 to July 25, 2013.**
- ❑ Proposal template and guidance is forthcoming(June 10?).
- ❑ Commission staff are available to discuss questions and concerns at anytime during the proceeding.



Public Participation

Appliance Energy Efficiency Rulemaking Process

3/22/2013



*Office of Administrative Law



Discussion & Comments

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