

# Results of Invitation to Participate: Toilets & Urinals

2013 Appliance Efficiency Rulemaking  
California Energy Commission

May 31, 2013

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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 Toilets & Urinals.



# Information Requested

- ❑ Product definition & scope
- ❑ Sources of test data
- ❑ Existing standards & standards in development
- ❑ Product lifetime and duty cycle
- ❑ Product development trends
- ❑ Energy-saving technologies & features
- ❑ Costs
- ❑ Market characteristics
- ❑ Consumer acceptance
- ❑ Compatibility with existing plumbing system



# Responses

- American Council for an Energy-Efficient Economy (ACEEE)
- Appliance Standards Awareness Project (ASAP)
- California Investor-Owned Utilities (IOU)
- Consumer Federation of America (CFA)
- H2Options, Inc.
- 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/Water\\_Appliances\\_12-AAER-2C/](http://www.energy.ca.gov/appliances/2013rulemaking/documents/responses/Water_Appliances_12-AAER-2C/)



# Responses

Product definition & scope	All tank types and valve types toilets and urinals	Yes
Sources of test data	WaterSense, MaP, CEC, and DOE databases	Yes
Standards (New & Existing)	SB 407, AB 715, Ca.Plumbing Code, CalGreen, others	Yes
Product lifetime & duty cycle	12 – 25 years	???
Product development trends	Not clear	???
Consumer Acceptance	No issue with efficient units	Yes



# Responses

Energy-saving technologies & features	Pressure/vacuum assist, better valve control, dual flush	Yes
Incremental costs	No difference	Yes
Compatibility with exis. plumbing system	City of San Francisco	???
False/multiple flushes	Need better setting and maintenance, wall facing sensor	???
Small business	Not clear	????

Link to the documents:

[http://www.energy.ca.gov/appliances/2013rulemaking/documents/responses/Water\\_Appliances\\_12-AAER-2C/](http://www.energy.ca.gov/appliances/2013rulemaking/documents/responses/Water_Appliances_12-AAER-2C/)



# What's Next

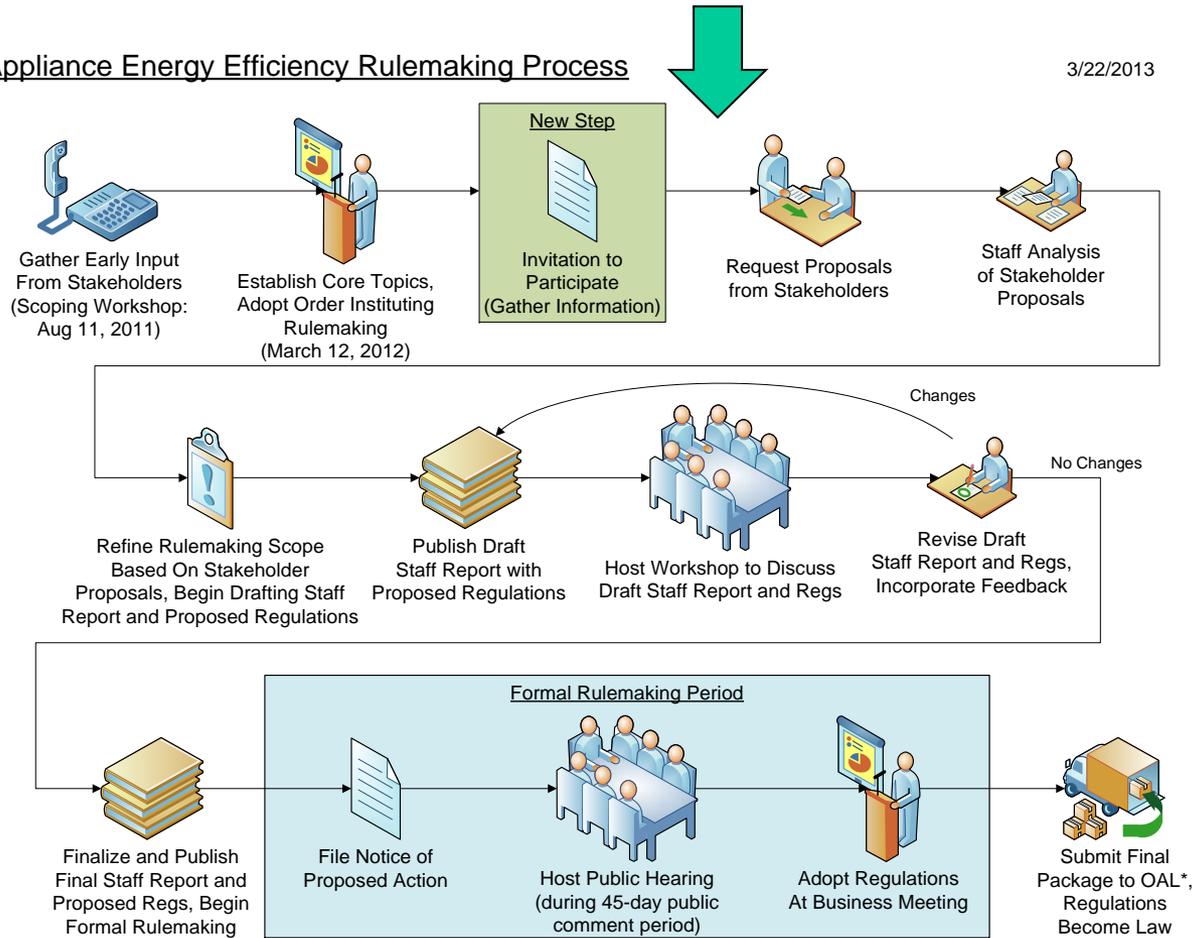
- ❑ Following the ITP workshops, Commission staff will request proposals for new/updated efficiency standards or measures.
- ❑ Interested parties may submit proposals from **June 10 to July 25, 2013.**
- ❑ Proposal template and guidance is forthcoming.
- ❑ Commission staff are available to discuss questions 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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Toilets & Urinals #12-AAER-2F

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