

DOCKETED

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Project Title:	Order Instituting Informational Proceeding for Drought Executive Order B-37-16
TN #:	213952
Document Title:	Presentation - Water Conservation and Water Loss Detection and Controls Technologies Workshop
Description:	Introduction Workshop Slides by Energy Commission Staff: Sean Steffensen, October 11, 2016
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California Energy Commission

Water Conservation and Water Loss Detection and Control Technologies Workshop

October 11, 2016

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California Energy Commission

Workshop Agenda

Time	Topic	Presenter
10:00 a.m.	Introduction	Sean Steffensen Energy Commission
10:10 a.m.	EPIC Research and Development Water Conservation Strategic Objectives	Colin Corby Energy Commission
10:20 a.m.	Demonstrating Innovative Leakage Reduction Strategies (EPC-15-096)	Kevin Mori Energy Commission
10:30 a.m.	Detection and Reduction of Leaks in Distribution Systems	Max Gomberg State Water Resources Control Board
10:40 a.m.	Implementation of SB 555 and Leak Detection	Todd Thompson P.E. Department of Water Resources
10:50 a.m.	Open Discussion and Public Comments	
12:30 p.m.	Conclusion	



Need For Change

- A growing population and fifth year of drought require the elimination of water waste
- Executive Order B-37-16 directs the California Energy Commission to:
 - *“Certify innovative water conservation and water loss detection and control technologies that also increase energy efficiency.”*



Implementation Timeline

- July 18, 2016: The Energy Commission adopted the Order Instituting Informational Proceeding
- October 11, 2016: Public Workshop to gather public comments
- November 7, 2016: Public Workshop to Review the Draft Inter-Agency Drought Executive Order Report
- January 10, 2017: Public Workshop to Review the Final Inter-Agency Drought Executive Order Report



Information Gathering

- Energy Commission completes rulemakings to improve appliance efficiency through setting standards
- Energy Commission gathers information to support rulemakings
 - Commission must show technical feasibility of achieving the efficiency goal with technologies available as of the standard's effective date
 - Commission must show cost effectiveness to consumers by showing water and energy savings will offset costs of complying with the standard



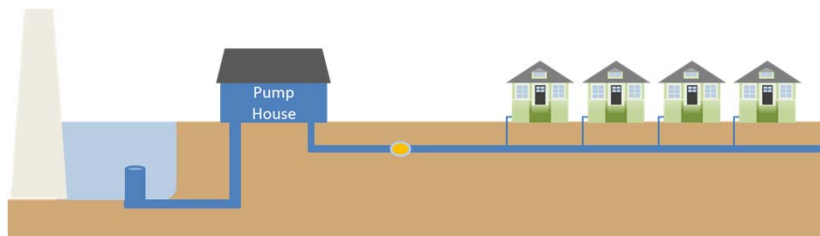
Discussion Items

- Identify approaches to water savings that may become the starting point for future appliance efficiency rulemakings
- Recent Commission rulemakings on low flow toilets, urinals, faucets, and showerheads will yield 150 billion gallons per year of savings for California

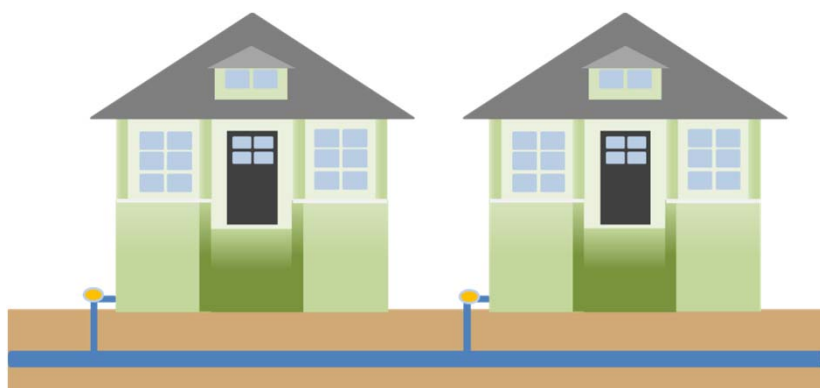


Discussion Items

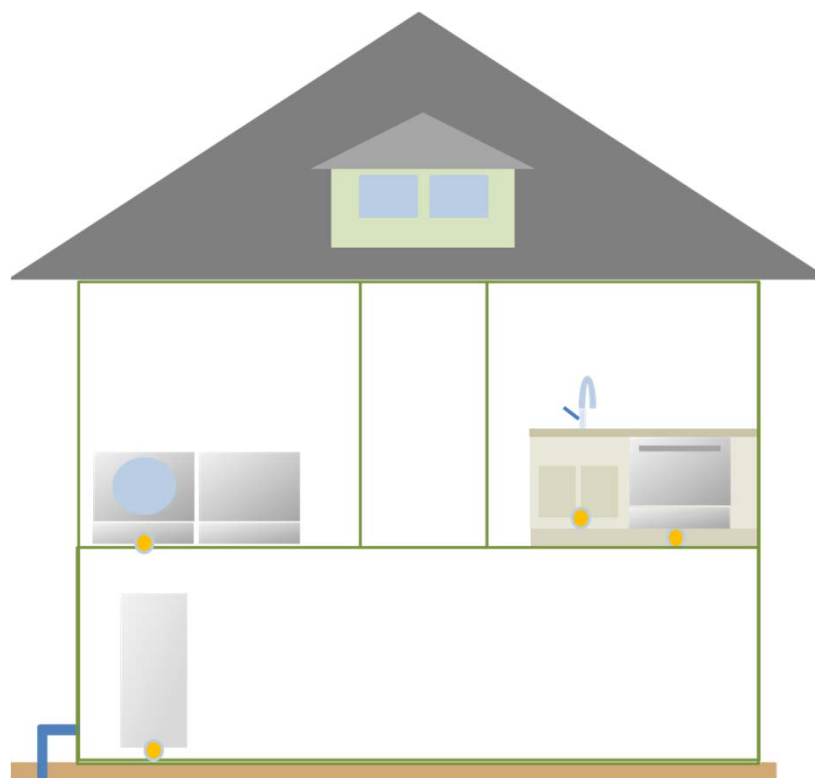
- Identify water loss detection and control technologies



Distribution Level Loss Detection



Household Level Loss Detection



Appliance Level Loss Detection



Comments

- Comments due **by 5:00 p.m. (PDT) on October 28, 2016**
- To submit electronically:
 - Go to <http://energy.ca.gov/appliances/2016-OII-01/>
 - Click on “Submit eComment”
- To send a hard copy:

California Energy Commission
Dockets Office, MS-4
Re: Docket No. **16-OII-01**
1516 Ninth Street
Sacramento, CA 95814-5512
- To send a digital copy: docket@energy.ca.gov, include docket number **16-OII-01** and indicate Water Conservation and Water Loss Detection and Control Technologies in the subject line



California Energy Commission

Thank You!

Sean Steffensen

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