DOCKETED

Docket Number:	17-AAER-01
Project Title:	Appliance Efficiency Pre-Rulemaking for Commercial Tumble Dryers and Air Filter Labeling
TN #:	220527
Document Title:	Presentation - Draft Commercial Clothes Dryers Testing, Certification, and Marking Requirements
Description:	By Ryan Nelson, P.E., for the August 3, 2017 Workshop
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Draft Commercial Clothes Dryers Testing, Certification, and Marking Requirements

August 3, 2017

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Agenda

- Purpose
- Staff Proposal
- Discussion Topics
- Next Steps
- Stakeholder Presentations

Purpose

- Review proposal
- Staff seeks public comments on the proposal
- The draft staff report contains the proposal details located here:

  http://docketpublic.energy.ca.gov/PublicDocuments/17-AAER-01/TN220249_20170718T124042_Analysis_of_Testing_Certification_and_Marking_Requirments__for.pdf

Commercial Dryer Rulemaking History

- March 14, 2012: Commercial clothes dryers were included in the Order Instituting Rulemaking (OIR) which started this process
- March 25, 2013: Phase 1 Invitation to Participate was released

Commercial Dryer Rulemaking History

- May 28, 2014: Energy Commission requested additional information
- January 26, 2015: California IOU CASE* team submitted a revised draft proposal

*California Investor Owned Utilities Codes and Standards Enhancement (CA IOU CASE)

Commercial Dryer Rulemaking History

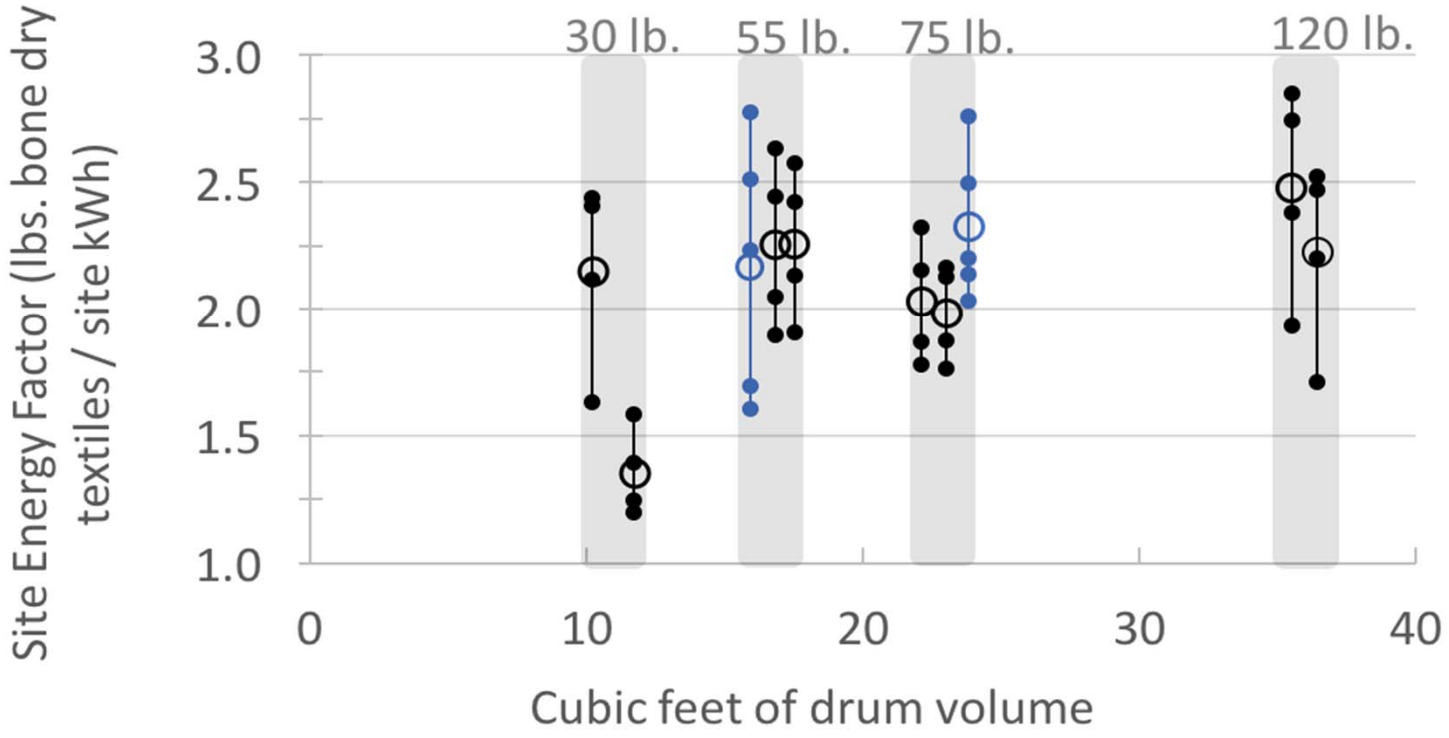
- February 7, 2017: California IOU CASE team submitted a test procedure and proposal
- June 30, 2017: California IOU CASE team submitted an updated test procedure

Staff Proposal

- Why a test, certification, and marking requirement for commercial tumble clothes dryers?
  - Estimated over 500,000 commercial clothes dryers in Calif.
  - Estimated consumption of 900 GWh electricity and 260 million therms of natural gas per year
  - Estimated operating costs of $440 million per year
- Testing, certification, and marking will provide consumers valuable information to aid decisions when purchasing new and replacement equipment

Staff Proposal

Current CA IOU CASE Team Test Results



Staff Proposal - Scope

- Commercial clothes dryers included within the scope would be “commercial tumble clothes dryers” with capacity greater than 6.0 cubic feet drum volume and less than or equal to 65 cubic feet.





Staff Proposal - Definitions

- “Clothes dryer” means a cabinet-like appliance that is designed to dry fabrics in a tumble-type drum with forced air circulation and that has a drum and a blower driven by an electric motor.

- “Commercial tumble clothes dryer” means a tumble clothes dryer not covered by 10 C.F.R. part 430.32(h) and that has a capacity larger than 6.0 cubic feet drum volume and less than or equal to 65 cubic feet drum volume.

Staff Proposal - Test Method

Existing Test Procedures(all residential):

- U.S. Department of Energy: Referred to as DOE 2015
- Australian/New Zealand Standards: AS/NZS 2442.1
- American National Standard Institute(ANSI)/Association of Home Appliance Manufacturers (AHAM): ANIS/AHAM HLD-1: 1992
- International Electrotechnical Commission (IEC): 1121:1991

Staff Proposal - Test Method

Proposed Test Method:

- California Investor Owned Utilities Codes and Standards Enhancement (CASE) “Energy Efficiency Test Procedure for Commercial Clothes Dryers” Version 2.6, June 30, 2017

Staff Proposal - Reporting

Reporting Requirements:

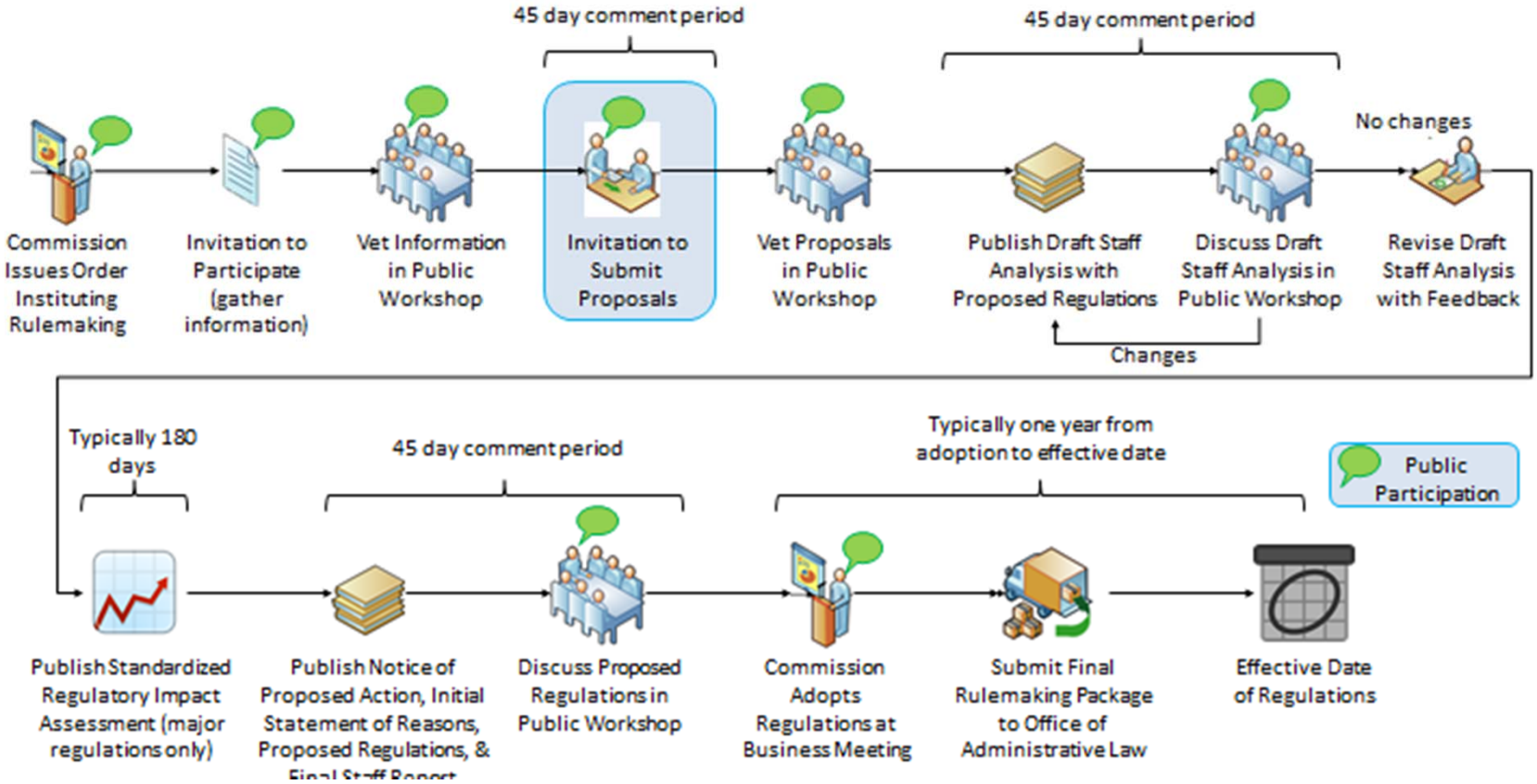
Energy Source		E_{low} (kWh)
Measured Drum Capacity (ft^3)		P_S (W)
Load Size Drum Capacity (ft^3)		P_N (W)
Load Weight Capacity (lbs)		P_W (W)
Gas Heat Input (Btuh)		P_{OFF} (W)
Electric Heat Input (kW)		Power Factor ($PF_{AVERAGE}$)
Voltage		$W_{bone\ –Run\ X}$(lbs)*
Combination Washer/Dryer		$G_{cycle\text{-}Run\ X}$ (kWh)*
Automatic Termination Control		$E_{cycle\text{-}Run\ X}$(kWh)*
Combined Energy Factor (CEF)		$T_{cycle\text{-}Run\ X}$ (Minutes)*

***** Report for runs AB, C, D, E and F

Discussion

- Discussion:
  - Are the capacities proposed as in scope reasonable?
  - Is application of the test procedure clear?
  - Are the number of runs per test enough to capture the energy consumption of the appliance?
  - For all of these questions please support your comment.

Next Steps


45 day comment period
45 day comment period
No changes
Commission Issues Order Instituting Rulemaking
Invitation to Participate (gather information)
Vet Information in Public Workshop
Invitation to Submit Proposals
Vet Proposals in Public Workshop
Publish Draft Staff Analysis with Proposed Regulations
Discuss Draft Staff Analysis in Public Workshop
Revise Draft Staff Analysis with Feedback
Changes
Typically 180 days
45 day comment period
Typically one year from adoption to effective date
Public Participation
Publish Standardized Regulatory Impact Assessment (major regulations only)
Publish Notice of Proposed Action, Initial Statement of Reasons, Proposed Regulations, &
Discuss Proposed Regulations in Public Workshop
Commission Adopts Regulations at Business Meeting
Submit Final Rulemaking Package to Office of Administrative Law
Effective Date of Regulations

Comments

Comments due by 5:00 p.m. on September 1, 2017

Docket Number 17-AAER-01

Visit the website at:
https://efiling.energy.ca.gov/EComment/ECommentSelectProceeding.aspx
Or email comments directly to:

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-01
1516 Ninth Street Sacramento, CA
95814-5512

Comments

If you wish to submit confidential data or information, please contact:

Jared Babula, Chief Counsel's Office, at Jared.Babula@energy.ca.gov or (916) 651-1462.

Please do not send information you consider confidential prior to contacting the Chief Counsel's Office.

Thank You

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