

DOCKETED

Docket Number:	15-AAER-06
Project Title:	Small Diameter Directional LED Lamps and General Purpose LED Lamps
TN #:	210097
Document Title:	Various Public Comments: Docket Number 15-AAER-06
Description:	N/A
Filer:	System
Organization:	Various Public
Submitter Role:	Public
Submission Date:	1/28/2016 1:44:14 PM
Docketed Date:	1/25/2016

Comment Received From: Various Public

Submitted On: 1/28/2016

Docket Number: 15-AAER-06

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Various public comments submitted after the deadline (5p.m., January 22, 2016)

Additional submitted attachment is included below.

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:58 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

Thank you for the opportunity to comment on the revised 15-day proposal for small diameter directional LED lamps and General Purpose LED Lamps published on January 7, 2016.

The California Energy Commission (CEC) has proposed that general service LED lamps manufactured on or after January 1, 2018 shall have a CRI of 82 or greater and individual color scores (R) of 72 or greater. These new regulations provide an optimal combination of key performance attributes, luminous, color rendering and longevity.

The CEC has proposed stronger standards for LED lighting, which will save Californians billions in the coming years, and cut greenhouse gas emissions (GHG). These standards also allow us to enjoy the quality of full-color lighting we had with traditional light bulbs, but in an eco-friendly way.

However, opponents of the proposal claim the CEC wants to promote LED lighting that is more expensive and less efficient. This is a misunderstanding of what is being required of the lamps. The function of the general service lamp is to both illuminate a room and provide the ability to discern colors. Efficiency would be defined as its ability to perform both tasks with less energy. The opponents want to "improve" efficiency by making light bulbs that only do half the job. That's not efficiency, that's poor service.

In other words, the opponents want me to pay for bulbs that don't deliver.

As a consumer, I don't want the industry to short change me. I want robust standards that allow me to enjoy quality lighting at a price I can afford. I support the CEC's proposal and reject the opposition's efforts to weaken the standards.

Sincerely,

Burnett Dougherty

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:31 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Byron Fogel

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:19 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Chris Rice

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 7:08 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Derek Baker

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:50 PM
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Sincerely,

Diane Kim Lazzareschi

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:50 PM
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Sincerely,

Ellen Koivisto

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 7:25 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Ellen Wade

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:49 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Gloria Hafner

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 7:09 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Jan Hansen

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 7:48 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Janine Comrack

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 7:17 PM
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Subject: Docket Number 15-AAER-06

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Sincerely,

Jeanne Hirshfield

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 7:54 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Jim Yarbrough

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:12 PM
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Subject: Docket Number 15-AAER-06

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John Pasqua

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:16 PM
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Jon Anderholm

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:14 PM
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Subject: Docket Number 15-AAER-06

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Joseph Buhowsky

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:40 PM
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Marcia Flannery

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 7:39 PM
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Sincerely,

Marsha Lowry

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:30 PM
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Sincerely,

Michael Kemmling

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 7:18 PM
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Nancy Heck

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 7:37 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

Thank you for the opportunity to comment on the revised 15-day proposal for small diameter directional LED lamps and General Purpose LED Lamps published on January 7, 2016.

The California Energy Commission (CEC) has proposed that general service LED lamps manufactured on or after January 1, 2018 shall have a CRI of 82 or greater and individual color scores (R) of 72 or greater. These new regulations provide an optimal combination of key performance attributes, luminous, color rendering and longevity.

The CEC has proposed stronger standards for LED lighting, which will save Californians billions in the coming years, and cut greenhouse gas emissions (GHG). These standards also allow us to enjoy the quality of full-color lighting we had with traditional light bulbs, but in an eco-friendly way.

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In other words, the opponents want me to pay for bulbs that don't deliver.

As a consumer, I don't want the industry to short change me. I want robust standards that allow me to enjoy quality lighting at a price I can afford. I support the CEC's proposal and reject the opposition's efforts to weaken the standards.

Sincerely,

Nicholas Lenchner

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:34 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

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Sincerely,

Norm Stanley

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:28 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

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Sincerely,

Paul Cofrancesco

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:16 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Phil Gardner

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 7:27 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Phoury Chhun

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:20 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Sandra Reynolds

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:11 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Scott Coahran

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 8:46 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Scott McKay

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:42 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Sean Corrigan

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:57 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Steve Catton

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 7:34 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Steven Hibshman

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Sent: Friday, January 22, 2016 8:39 PM
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Sincerely,

Suzanne Donnelly

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 9:42 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

suzanne Lande

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 9:53 PM
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Sincerely,

Tad Frantz

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:31 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Terry Badger

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:53 PM
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Subject: Docket Number 15-AAER-06

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Sincerely,

Theresa Owens

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 7:51 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Thomas Habermann

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 8:54 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

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Sincerely,

Thomas Knecht

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 8:01 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Thomas Morse

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 5:35 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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In other words, the opponents want me to pay for bulbs that don't deliver.

As a consumer, I don't want the industry to short change me. I want robust standards that allow me to enjoy quality lighting at a price I can afford. I support the CEC's proposal and reject the opposition's efforts to weaken the standards.

Sincerely,

Tim Butler

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 8:28 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

Thank you for the opportunity to comment on the revised 15-day proposal for small diameter directional LED lamps and General Purpose LED Lamps published on January 7, 2016.

The California Energy Commission (CEC) has proposed that general service LED lamps manufactured on or after January 1, 2018 shall have a CRI of 82 or greater and individual color scores (R) of 72 or greater. These new regulations provide an optimal combination of key performance attributes, luminous, color rendering and longevity.

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Sincerely,

Timothy Hoang

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 10:39 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

Thank you for the opportunity to comment on the revised 15-day proposal for small diameter directional LED lamps and General Purpose LED Lamps published on January 7, 2016.

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Sincerely,

Tom Fitzpatrick

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:58 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

Thank you for the opportunity to comment on the revised 15-day proposal for small diameter directional LED lamps and General Purpose LED Lamps published on January 7, 2016.

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Sincerely,

Trisha Lotus

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 10:00 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

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Sincerely,

Vance Handley

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 5:18 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

Thank you for the opportunity to comment on the revised 15-day proposal for small diameter directional LED lamps and General Purpose LED Lamps published on January 7, 2016.

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Sincerely,

Will Noble

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:44 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

Thank you for the opportunity to comment on the revised 15-day proposal for small diameter directional LED lamps and General Purpose LED Lamps published on January 7, 2016.

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Sincerely,

Yazmin Gonzalez

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 5:33 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

Thank you for the opportunity to comment on the revised 15-day proposal for small diameter directional LED lamps and General Purpose LED Lamps published on January 7, 2016.

The California Energy Commission (CEC) has proposed that general service LED lamps manufactured on or after January 1, 2018 shall have a CRI of 82 or greater and individual color scores (R) of 72 or greater. These new regulations provide an optimal combination of key performance attributes, luminous, color rendering and longevity.

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As a consumer, I don't want the industry to short change me. I want robust standards that allow me to enjoy quality lighting at a price I can afford. I support the CEC's proposal and reject the opposition's efforts to weaken the standards.

Sincerely,

Mayela Guzman

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 7:22 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

Thank you for the opportunity to comment on the revised 15-day proposal for small diameter directional LED lamps and General Purpose LED Lamps published on January 7, 2016.

The California Energy Commission (CEC) has proposed that general service LED lamps manufactured on or after January 1, 2018 shall have a CRI of 82 or greater and individual color scores (R) of 72 or greater. These new regulations provide an optimal combination of key performance attributes, luminous efficacy, color rendering and longevity.

The proposed standards provide an opportunity for Californians to save \$4 billion over the next 13 years. By 2029, the standards will be saving about 3,000 Gwh per year, which is equivalent to about 400,000 average homes indefinitely or avoiding the construction of one 500 MW power plant. That means 10.3 million metric tons of CO2 avoided between 2017 and 2029, which is equivalent to the emissions of about 168,000 cars.

However, opponents of the proposal want to weaken the standards, which will harm the reputation of LED lighting, thereby chipping away at potential monetary and energy savings, thwarting efforts to fight climate change and making them less enjoyable.

As a consumer, I don't want to see the standards weakened because it means I save less money, the planet suffers and I don't get to enjoy quality lighting at a price I can afford. I support the CEC's proposal and reject the opposition's efforts to weaken the standards.

Sincerely,

Zera Hair

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:09 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

Thank you for the opportunity to comment on the revised 15-day proposal for small diameter directional LED lamps and General Purpose LED Lamps published on January 7, 2016.

The California Energy Commission (CEC) has proposed that general service LED lamps manufactured on or after January 1, 2018 shall have a CRI of 82 or greater and individual color scores (R) of 72 or greater. These new regulations provide an optimal combination of key performance attributes, luminous, color rendering and longevity.

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Sincerely,

Emily Brandt

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:00 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

Thank you for the opportunity to comment on the revised 15-day proposal for small diameter directional LED lamps and General Purpose LED Lamps published on January 7, 2016.

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Sincerely,

S Pais

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 11:37 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

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Sincerely,

Jessica Denham

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 11:37 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Probyn Gregory

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 5:33 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

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Sincerely,

Mayela Guzman

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:07 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

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Sincerely,

Kathleen Krauss

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 11:29 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Kathleen Kuczynski

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 5:51 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

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Sincerely,

Pat Magrath

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 5:51 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Heidi Miller

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 11:14 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

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Sincerely,

Alan Miller

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 5:48 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

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Sincerely,

Theodore Milkoff

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 11:41 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

Dear Commissioner McAllister:

Thank you for the opportunity to comment on the revised 15-day proposal for small diameter directional LED lamps and General Purpose LED Lamps published on January 7, 2016.

The California Energy Commission (CEC) has proposed that general service LED lamps manufactured on or after January 1, 2018 shall have a CRI of 82 or greater and individual color scores (R) of 72 or greater. These new regulations provide an optimal combination of key performance attributes, luminous, color rendering and longevity.

The CEC has proposed stronger standards for LED lighting, which will save Californians billions in the coming years, and cut greenhouse gas emissions (GHG). These standards also allow us to enjoy the quality of full-color lighting we had with traditional light bulbs, but in an eco-friendly way.

However, opponents of the proposal claim the CEC wants to promote LED lighting that is more expensive and less efficient. This is a misunderstanding of what is being required of the lamps. The function of the general service lamp is to both illuminate a room and provide the ability to discern colors. Efficiency would be defined as its ability to perform both tasks with less energy. The opponents want to "improve" efficiency by making light bulbs that only do half the job. That's not efficiency, that's poor service.

In other words, the opponents want me to pay for bulbs that don't deliver.

As a consumer, I don't want the industry to short change me. I want robust standards that allow me to enjoy quality lighting at a price I can afford. I support the CEC's proposal and reject the opposition's efforts to weaken the standards.

Sincerely,

Nina Minsky

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 6:08 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

Dear California Energy Commission,

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Sincerely,

Lilibeth Munoz

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 5:56 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Sincerely,

Andrew Olsen

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 11:51 PM
To: Energy - Docket Optical System
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Sincerely,

Lauren Schiffman

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 5:48 PM
To: Energy - Docket Optical System
Subject: Docket Number 15-AAER-06

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Richard Watson

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Sincerely,

Elaine Wilson

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 5:48 PM
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Sincerely,

Samuel Wong

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 11:23 PM
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Subject: Docket Number 15-AAER-06

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Nicole Yeager

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Sincerely,

Amanda Zangara

From: KnowWho Services <noreply@knowwho.services>
Sent: Friday, January 22, 2016 11:43 PM
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Amelia Zuckerwise