APOLLO ELECTRIC
Since 1966
330 North Basse Lane • Brea • California 92821
(714) 256-8414 • fax (714) 671-9972
License No. 290194 C10

February 3, 2012

California Energy Commission
1516 Ninth Street, MS-31
Sacramento, CA 95814

Re: Docket # 10-BSTD-01

Subject: Building Energy Efficiency Standards Acceptance Testing and Documentation

Dear Commissioners,

My name is Gregg Holt, I am a vice president at Apollo Electric, Inc., and we've been in business since 1966.

As you are aware, lighting is one of the state's largest annual consuming end uses and a critical contributor to peak load. The lighting industry has done a reasonable job of replacing inefficient lamps and ballasts with more efficient equipment. However, one of the greatest potentials for significant gains in energy efficiency has been largely missed, which is the deployment of lighting control systems that turn off or dim indoor and outdoor lighting. Overall, the lighting industry has a less than acceptable record of consistently providing high quality installations that achieve the optimum performance levels necessary to successfully deal with the peak load and demand issues. This can be attributed to the extremely complex and technical nature of advanced lighting controls.

We request that the Building Energy Efficiency Standards 2013 Edition require all advanced lighting control related acceptance testing and documentation to be performed by California state certified general electricians who are also certified by the California Advanced Lighting Controls Training Program (CALCTP), and who are performing the work while employed by a California licensed C-10 electrical contractor who holds a CALCTP contractor certification.

These acceptance tests require skills that are not commonly found in the industry, but which are mastered in the 60 hours of CALCTP training and certification. To be eligible to enter CALCTP, candidates must be state certified general electricians. CALCTP consists of a very vigorous curriculum designed by California utilities, the California Lighting Technology Center at U.C. Davis, and electrical industry master instructors. The training includes 40 hours of hands-on labs which require a 100% pass rate for graduation, and lectures followed by a comprehensive and demanding final exam. According to an extensive study by the CPUC, published as the California Workforce Education & Training Needs Assessment for Energy Efficiency, Distributed Generation, and Demand Response 2011, "CALCTP presents a model for future IOU workforce planning and sector strategies for the deployment of new clean energy measures and initiatives."

As an employer, I believe this requirement is the most cost-effective method available to ensure advanced lighting systems are performing at their peak efficiency. Thank you for your consideration of this request.

Sincerely,

Gregg Holt
Vice President

NECA
NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION

James M. Willson
Chapter Manager

Los Angeles County Chapter

100 East Corson Street, Suite 410
Pasadena, California 91103
T 626-792-6322
F 626-792-6372
805-642-7994

February 2, 2012

California Energy Commission
1516 Ninth Street, MS-31
Sacramento, CA 95814

Re: Docket # 10-BSTD-01

Subject: Building Energy Efficiency Standards Acceptance Testing and Documentation

Dear Commissioners,

My name is Jim Willson, and I am Chapter Manager for the Los Angeles County Chapter of the National Electrical Contractors Association (LA/NECA). LA/NECA represents over 400 electrical construction contractors who employ over 6,000 electricians in Los Angeles and Ventura counties. Both the employers represented by this association and their employees believe in promoting quality workmanship and training for a skilled workforce and value for the electrical construction consumer.

As you know, lighting is one of the state's largest annual consuming end use and a critical contributor to peak load. The lighting industry has done a reasonable job of replacing inefficient lamps and ballasts with more efficient equipment. Given that, one of the greatest potentials for gains in energy efficiency is through the deployment of lighting control systems that turn off or dim indoor and outdoor lighting. Overall, the lighting industry has a less than acceptable record of consistently providing high quality installations that achieve the optimum performance levels necessary to successfully deal with the peak load and demand issues. One of the reasons is due to the extremely complex and technical nature of advanced lighting controls

We request that the Building Energy Efficiency Standards 2013 Edition require all advanced lighting control related acceptance testing and documentation to be performed by California state certified general electricians who are also certified by the California Advanced Lighting Controls Training Program (CALCTP), and who are performing the work while employed by a California licensed C-10 electrical contractor who holds a CALCTP contractor certification.

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As an association of employers who believe in the highest professional standards for their craft, we believe this requirement is the most cost-effective method available to ensure advanced lighting systems are performing at their peak efficiency. Thank you for your consideration of this request.

Sincerely,

James M. Willson
Chapter Manager

GILBERT & STEARNS, INC.
ELECTRICAL CONSTRUCTION
609 E. FOURTH · SANTA ANA

SINCE 1928

R.S. KINGSMILL

P.O. BOX 176 PHONE (714) 547-7695 FAX (714) 558-0378 SANTA ANA, CA 92702

February 1, 2012
California Energy Commission
1516 Ninth Street, MS-31
Sacramento, CA 95814

Re: Docket # 10-BSTD-01
Subject: Building Energy Efficiency Standards Acceptance Testing and Documentation

Dear Commissioners,
My name is Scott Kingsmill, President for Gilbert & Stearns, Inc. I am third generation family member running this company. Gilbert & Stearns started in 1928 and is located in the same location as they started in Santa Ana, California.

As you are aware, lighting is one the state's largest annual consuming end uses and a critical contributor to peak load. The lighting industry has done a reasonable job of replacing inefficient lamps and ballasts with more efficient equipment. However, one of the greatest potentials for significant gains in energy efficiency has been largely missed, which is the deployment of lighting control systems that turn off or dim indoor and outdoor lighting. Overall, the lighting industry has a less than acceptable record of consistently providing high quality installations that achieve the optimum performance levels necessary to successfully deal with the peak load and demand issues. This can be attributed to the extremely complex and technical nature of advanced lighting controls.

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As an employer, I believe this requirement is the most cost-effective method available to ensure advanced lighting systems are performing at their peak efficiency. Thank you for your consideration of this request.

Sincerely,

Scott Kingsmill
Gilbert & Stearns, Inc.

STOUT & BURG™

Electric, Inc.

15052 Red Hill Ave Suite C
Tustin, California 92780
Phone (714)544-5066 Fax (714)544-5196
C10-826780

02/01/2012

California Energy Commission
1516 Ninth Street, MS-31
Sacramento, CA 95814

Re: Docket # 10-BSTD-01

Subject: Building Energy Efficiency Standards Acceptance Testing and Documentation

Dear Commissioners,

Hi, My name is Jeff Wilson, I am the Vice President of Stout & Burg Electric, Inc. We are a Southern California based electrical contractor proud to have been in business since 2004. With over 100 years of combined experience, SBE provides turnkey solutions for design assist/build contracting, communications, structured cabling, data center environments and solar/photovoltaic systems.

As you are aware, lighting is one the state's largest annual consuming end uses and a critical contributor to peak load. The lighting industry has done a reasonable job of replacing inefficient lamps and ballasts with more efficient equipment. However, one of the greatest potentials for significant gains in energy efficiency has been largely missed, which is the deployment of lighting control systems that turn off or dim indoor and outdoor lighting. Overall, the lighting industry has a less than acceptable record of consistently providing high quality installations that achieve the optimum performance levels necessary to successfully deal with the peak load and demand issues. This can be attributed to the extremely complex and technical nature of advanced lighting controls.

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As an employer, I believe this requirement is the most cost-effective method available to ensure advanced lighting systems are performing at their peak efficiency. Thank you for your consideration of this request.

Sincerely,

Jeffrey Wilson, VP
Stout & Burg Elecitrc, Inc.

ENTERPRISE
ELECTRIC • DATACOM

January 31, 2012

California Energy Commission
1516 Ninth Street, MS-31
Sacramento, CA 95814

Re: Docket # 10-BSTD-01

Subject: Building Energy Efficiency Standards Acceptance Testing and Documentation

Dear Commissioners,

My name is Ted Kristensen, President of Enterprise Electric Datacom. We are an electrical contracting company serving the Southern California industrial, commercial and healthcare environments for over 25 years.

As you are aware, lighting is one the state's largest annual consuming end uses and a critical contributor to peak load. The lighting industry has done a reasonable job of replacing inefficient lamps and ballasts with more efficient equipment. However, one of the greatest potentials for significant gains in energy efficiency has been largely missed, which is the deployment of lighting control systems that turn off or dim indoor and outdoor lighting. Overall, the lighting industry has a less than acceptable record of consistently providing high quality installations that achieve the optimum performance levels necessary to successfully deal with the peak load and demand issues. This can be attributed to the extremely complex and technical nature of advanced lighting controls.

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As an employer, I believe this requirement is the most cost-effective method available to ensure advanced lighting systems are performing at their peak efficiency. Thank you for your consideration of this request.

Sincerely,

Ted M. Kristensen
President
Enterprise Electric

42625 Rio Nedo, Temecula, CA 92590 (951) 296-1530 Fax (951) 296-1531 www.enterprisecompany.com

February 1, 2012

California Energy Commission
1516 Ninth Street, MS-31
Sacramento, CA 95814

Re: Docket # 10-BSTD-01
Subject: Building Energy Efficiency Standards Acceptance Testing and Documentation

Dear Commissioners,

My name is Brian Elliott. I am the Chairman, CEO and owner of Anderson and Howard Electric, Inc. Anderson and Howard Electric have been in business since 1965. As you are aware, lighting is one the state's largest annual consuming end uses and a critical contributor to peak load. The lighting industry has done a reasonable job of replacing inefficient lamps and ballasts with more efficient equipment. However, one of the greatest potentials for significant gains in energy efficiency has been largely missed, which is the deployment of lighting control systems that turn off or dim indoor and outdoor lighting. Overall, the lighting industry has a less than acceptable record of consistently providing high quality installations that achieve the optimum performance levels necessary to successfully deal with the peak load and demand issues. This can be attributed to the extremely complex and technical nature of advanced lighting controls.

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As an employer, I believe this requirement is the most cost-effective method available to ensure advanced lighting systems are performing at their peak efficiency. Thank you for your consideration of this request.

Sincerely,

Brian D. Elliott
Chairman/CEO
Anderson and Howard Electric, inc.

Anderson Howard
aandh.com

1791 Reynolds Ave
Irvine, CA 92614
P 949.250.4555
F 949.250.1918

Keeping Your Business LIVE ™

TRI-STAR ELECTRIC

C-10 346835

Tri-Star Electric
17706 Warwick Circle
Fountain Valley, CA 92708

January 31, 2012

California Energy Commission
1516 Ninth Street, MS-31
Sacramento, CA 95814

Re: Docket # 10-BSTD-01

Subject: Building Energy Efficiency Standards Acceptance Testing and Documentation

Dear Commissioners,

My name is Dave Schoonover and I am the owner of Tri-Star Electric in Fountain Valley, CA. We have been in business for 18 years and in the interest of full disclosure are a CALCTP certified contractor.

As you are aware, lighting is one the state's largest annual consuming end uses and a critical contributor to peak load. The lighting industry has done a reasonable job of replacing inefficient lamps and ballasts with more efficient equipment. However, one of the greatest potentials for significant gains in energy efficiency has been largely missed, which is the deployment of lighting control systems that turn off or dim indoor and outdoor lighting. Overall, the lighting industry has a less than acceptable record of consistently providing high quality installations that achieve the optimum performance levels necessary to successfully deal with the peak load and demand issues. This can be attributed to the extremely complex and technical nature of advanced lighting controls.

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Sincerely,

Dave Schoonover