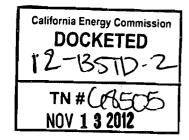
California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814



I

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is <u>Chick power</u> My I am an HVAC Journeyperson. I have been in the HVAC System Installation Trade since <u>2006</u>. I have completed a <u>5</u> year HVAC System/ Sheet Metal Apprenticeship program.

I am writing to support the Energy Commission proposal to require Title 24 acceptance tests for nonresidential buildings to be performed by field technicians that have met specific experience, training and certification requirements. Certification will ensure that acceptance testing is correctly performed and will significantly reduce the incidence of HVAC systems being poorly installed and operating below their specified efficiency. Effective testing and adjusting of commercial HVAC systems requires a unique mix of experience, training and competence. Improper installation and inadequate acceptance testing will result in reduced energy efficiency and substandard performance. The TAB organizations identified in the regulation are the only entities that currently provide certification that ensures a technician has the proper experience, knowledge, and competence to properly perform such testing. Since these programs already exist, it simply makes sense to take advantage of what they have to offer. Accordingly, we strongly support the Commission's reliance on certification by these entities.

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Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

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California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is Stefan (Bon Mi), I am an HVAC Journeyperson. I have been in the HVAC System Installation Trade since 2002. I have completed a $\frac{4^{\prime\prime2}}{2}$ year HVAC System/ Sheet Metal Apprenticeship program.

I am writing to support the Energy Commission proposal to require Title 24 acceptance tests for nonresidential buildings to be performed by field technicians that have met specific experience, training and certification requirements. Certification will ensure that acceptance testing is correctly performed and will significantly reduce the incidence of HVAC systems being poorly installed and operating below their specified efficiency. Effective testing and adjusting of commercial HVAC systems requires a unique mix of experience, training and competence. Improper installation and inadequate acceptance testing will result in reduced energy efficiency and substandard performance. The TAB organizations identified in the regulation are the only entities that currently provide certification that ensures a technician has the proper experience, knowledge, and competence to properly perform such testing. Since these programs already exist, it simply makes sense to take advantage of what they have to offer. Accordingly, we strongly support the Commission's reliance on certification by these entities.

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California Energy Commission Attention: Docket No. 12-BSTD-2 / Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is Mark Capel H am an HVAC Journeyperson. I have been in the HVAC System Installation Trade since 2000. I have completed a 4/2 year HVAC System/ Sheet Metal Apprenticeship program.

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Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is $\underline{\text{VEVIN}(\text{ATRON})}$, I am currently a $\underline{4^{\text{ST}}}$ year Apprentice in the HVAC System/Sheet Metal Apprenticeship Program.

I am writing to support the Energy Commission proposal to require Title 24 acceptance tests for nonresidential buildings to be performed by field technicians that have met specific experience, training and certification requirements. Certification will ensure that acceptance testing is correctly performed and will significantly reduce the incidence of HVAC systems being poorly installed and operating below their specified efficiency. Effective testing and adjusting of commercial HVAC systems requires a unique mix of experience, training and competence. Improper installation and inadequate acceptance testing will result in reduced energy efficiency and substandard performance. The TAB organizations identified in the regulation are the only entities that currently provide certification that ensures a technician has the proper experience, knowledge, and competence to properly perform such testing. Since these programs already exist, it simply makes sense to take advantage of what they have to offer. Accordingly, we strongly support the Commission's reliance on certification by these entities.

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California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is <u>**PEPRO COLIN L</u>** I am currently a <u>5</u> year Apprentice in the HVAC System/Sheet Metal Apprenticeship Program.</u>

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California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

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> California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is <u>Jeffrey Funston</u> I am currently a <u>1st</u> year Apprentice in the HVAC System/Sheet Metal Apprenticeship Program.

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California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is <u>Aviewo Garcia</u>, I am an HVAC Journeyperson. I have been in the HVAC System Installation Trade since <u>1967</u>. I have completed a <u>4</u>^t year HVAC System/ Sheet Metal Apprenticeship program.

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California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

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Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is Ben Grey, I am an HVAC Journeyperson. I have been in the HVAC System Installation Trade since 2004. I have completed a 41/2 year HVAC System/ Sheet Metal Apprenticeship program.

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Dear Commissioners:

My name is **Ryan Grossmy** am an HVAC Journeyperson. I have been in the HVAC System Installation Trade since **2002**. I have completed a **5** year HVAC System/ Sheet Metal Apprenticeship program.

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- Training and competency testing that includes hands on training and testing.

The regulations should clearly require that training and competency testing include hands on training and testing. The certification should also be tied to a trade or professional organization with continuing education requirements for maintenance of good standing.

Sincerely,

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California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is Mauricia Sumpler am an HVAC Journeyperson. I have been in the HVAC System Installation Trade since <u>1988</u>. I have completed a <u>5</u> year HVAC System/ Sheet Metal Apprenticeship program.

I am writing to support the Energy Commission proposal to require Title 24 acceptance tests for nonresidential buildings to be performed by field technicians that have met specific experience, training and certification requirements. Certification will ensure that acceptance testing is correctly performed and will significantly reduce the incidence of HVAC systems being poorly installed and operating below their specified efficiency. Effective testing and adjusting of commercial HVAC systems requires a unique mix of experience, training and competence. Improper installation and inadequate acceptance testing will result in reduced energy efficiency and substandard performance. The TAB organizations identified in the regulation are the only entities that currently provide certification that ensures a technician has the proper experience, knowledge, and competence to properly perform such testing. Since these programs already exist, it simply makes sense to take advantage of what they have to offer. Accordingly, we strongly support the Commission's reliance on certification by these entities.

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Sincerely, Maunicio Suevner

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California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is $\underline{\text{Lizardo}}$ $\underline{\text{Haro}}$, I am an HVAC Journeyperson. I have been in the HVAC System Installation Trade since $\underline{2002}$. I have completed a $\underline{4.5}$ year HVAC System/ Sheet Metal Apprenticeship program.

I am writing to support the Energy Commission proposal to require Title 24 acceptance tests for nonresidential buildings to be performed by field technicians that have met specific experience, training and certification requirements. Certification will ensure that acceptance testing is correctly performed and will significantly reduce the incidence of HVAC systems being poorly installed and operating below their specified efficiency. Effective testing and adjusting of commercial HVAC systems requires a unique mix of experience, training and competence. Improper installation and inadequate acceptance testing will result in reduced energy efficiency and substandard performance. The TAB organizations identified in the regulation are the only entities that currently provide certification that ensures a technician has the proper experience, knowledge, and competence to properly perform such testing. Since these programs already exist, it simply makes sense to take advantage of what they have to offer. Accordingly, we strongly support the Commission's reliance on certification by these entities.

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Sincerely, Ruzande Afan

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California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is <u>MAPIO Herrorpe</u> am an HVAC Journeyperson. I have been in the HVAC System Installation Trade since <u>300</u>. I have completed a <u>5</u> year HVAC System/ Sheet Metal Apprenticeship program.

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Mario Hermander

California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is <u>HIEU</u>, Le, I am currently a <u>1</u> year Apprentice in the HVAC System/Sheet Metal Apprenticeship Program.

I am writing to support the Energy Commission proposal to require Title 24 acceptance tests for nonresidential buildings to be performed by field technicians that have met specific experience, training and certification requirements. Certification will ensure that acceptance testing is correctly performed and will significantly reduce the incidence of HVAC systems being poorly installed and operating below their specified efficiency. Effective testing and adjusting of commercial HVAC systems requires a unique mix of experience, training and competence. Improper installation and inadequate acceptance testing will result in reduced energy efficiency and substandard performance. The TAB organizations identified in the regulation are the only entities that currently provide certification that ensures a technician has the proper experience, knowledge, and competence to properly perform such testing. Since these programs already exist, it simply makes sense to take advantage of what they have to offer. Accordingly, we strongly support the Commission's reliance on certification by these entities.

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The certifications should, at a minimum, require completion of the following components:

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California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is MAYME Came, I am an HVAC Journeyperson. I have been in the HVAC System Installation Trade since 1983. I have completed a 1989 year HVAC System/ Sheet Metal Apprenticeship program.

I am writing to support the Energy Commission proposal to require Title 24 acceptance tests for nonresidential buildings to be performed by field technicians that have met specific experience, training and certification requirements. Certification will ensure that acceptance testing is correctly performed and will significantly reduce the incidence of HVAC systems being poorly installed and operating below their specified efficiency. Effective testing and adjusting of commercial HVAC systems requires a unique mix of experience, training and competence. Improper installation and inadequate acceptance testing will result in reduced energy efficiency and substandard performance. The TAB organizations identified in the regulation are the only entities that currently provide certification that ensures a technician has the proper experience, knowledge, and competence to properly perform such testing. Since these programs already exist, it simply makes sense to take advantage of what they have to offer. Accordingly, we strongly support the Commission's reliance on certification by these entities.

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Wayn Ma Carl Sincerely,

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California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is **Renhua** lei, I am currently a <u>5</u> year Apprentice in the HVAC System/Sheet Metal Apprenticeship Program.

I am writing to support the Energy Commission proposal to require Title 24 acceptance tests for nonresidential buildings to be performed by field technicians that have met specific experience, training and certification requirements. Certification will ensure that acceptance testing is correctly performed and will significantly reduce the incidence of HVAC systems being poorly installed and operating below their specified efficiency. Effective testing and adjusting of commercial HVAC systems requires a unique mix of experience, training and competence. Improper installation and inadequate acceptance testing will result in reduced energy efficiency and substandard performance. The TAB organizations identified in the regulation are the only entities that currently provide certification that ensures a technician has the proper experience, knowledge, and competence to properly perform such testing. Since these programs already exist, it simply makes sense to take advantage of what they have to offer. Accordingly, we strongly support the Commission's reliance on certification by these entities.

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California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is $\underline{Jason Luna}$, I am currently a \underline{Sth} year Apprentice in the HVAC System/Sheet Metal Apprenticeship Program.

I am writing to support the Energy Commission proposal to require Title 24 acceptance tests for nonresidential buildings to be performed by field technicians that have met specific experience, training and certification requirements. Certification will ensure that acceptance testing is correctly performed and will significantly reduce the incidence of HVAC systems being poorly installed and operating below their specified efficiency. Effective testing and adjusting of commercial HVAC systems requires a unique mix of experience, training and competence. Improper installation and inadequate acceptance testing will result in reduced energy efficiency and substandard performance. The TAB organizations identified in the regulation are the only entities that currently provide certification that ensures a technician has the proper experience, knowledge, and competence to properly perform such testing. Since these programs already exist, it simply makes sense to take advantage of what they have to offer. Accordingly, we strongly support the Commission's reliance on certification by these entities.

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Sincerely, Jason Luna

California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is **GABE Mosquery**, I am an HVAC Journeyperson. I have been in the HVAC System Installation Trade since <u>1985</u>. I have completed a <u>4.5</u> year HVAC System/ Sheet Metal Apprenticeship program.

I am writing to support the Energy Commission proposal to require Title 24 acceptance tests for nonresidential buildings to be performed by field technicians that have met specific experience, training and certification requirements. Certification will ensure that acceptance testing is correctly performed and will significantly reduce the incidence of HVAC systems being poorly installed and operating below their specified efficiency. Effective testing and adjusting of commercial HVAC systems requires a unique mix of experience, training and competence. Improper installation and inadequate acceptance testing will result in reduced energy efficiency and substandard performance. The TAB organizations identified in the regulation are the only entities that currently provide certification that ensures a technician has the proper experience, knowledge, and competence to properly perform such testing. Since these programs already exist, it simply makes sense to take advantage of what they have to offer. Accordingly, we strongly support the Commission's reliance on certification by these entities.

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Glen Mayurley

October , 2012

California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is $\underline{LONGNGVFF}$ am currently a $\underline{5^{\text{H}}}$ year Apprentice in the HVAC System/Sheet Metal Apprenticeship Program.

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October , 2012

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California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is <u>VICTOR</u> <u>PARAG</u>, I am currently a <u></u>year Apprentice in the HVAC System/Sheet Metal Apprenticeship Program.

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California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is <u>Charles Perhip</u> am currently a <u>1</u> year Apprentice in the HVAC System/Sheet Metal Apprenticeship Program.

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California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is <u>USEPH</u> <u>J. SBRAGIA</u>, I am currently a <u>ST</u> year Apprentice in the HVAC System/Sheet Metal Apprenticeship Program.

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California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

My name is NELSON SEDA, I am an HVAC Journeyperson. I have been in the HVAC System Installation Trade since 2000. I have completed a <u>5</u> year HVAC System/ --Sheet-Metal-Apprenticeship program.

I am writing to support the Energy Commission proposal to require Title 24 acceptance tests for nonresidential buildings to be performed by field technicians that have met specific experience, training and certification requirements. Certification will ensure that acceptance testing is correctly performed and will significantly reduce the incidence of HVAC systems being poorly installed and operating below their specified efficiency. Effective testing and adjusting of commercial HVAC systems requires a unique mix of experience, training and competence. Improper installation and inadequate acceptance testing will result in reduced energy efficiency and substandard performance. The TAB organizations identified in the regulation are the only entities that currently provide certification that ensures a technician has the proper experience, knowledge, and competence to properly perform such testing. Since these programs already exist, it simply makes sense to take advantage of what they have to offer. Accordingly, we strongly support the Commission's reliance on certification by these entities.

I am concerned that the proposed regulations do not provide rigorous enough prequalification requirements. Training and competency testing must go beyond just teaching a lay person a generic "acceptance test." This is not sufficient to ensure the real world ability to properly test and adjust commercial HVAC systems. Acceptance testing training necessarily builds upon the knowledge and experience base possessed by electrical or mechanical system professionals. No test is going to be able to cover every permutation of commercial HVAC systems as installed in real world situations. Accordingly, most persons without a basic knowledge and experience base in these systems would be unable to effectively apply this training in complex real world situations, even if they were able to successfully pass a classroom test. To ensure effective acceptance testing, it is critical to ensure that acceptance testers have the underlying background and experience in these systems to be able to adjust to the complexities and permutations that a tester will encounter out in the field.

The certifications should, at a minimum, require completion of the following components:

- Post-secondary training in a state-approved or nationally accredited educational program (including the state-certified apprenticeship system; nationally accredited colleges and universities), with the training institutions or types of training institutions identified by the CEC.
- A minimum number of hours of work experience equal to or exceeding the number of hours to meet any contractor licensure, trade journey card, or any other licenses or regulations affecting contractors or workers working in the field.
- Training and competency testing that includes hands on training and testing.

The regulations should clearly require that training and competency testing include hands on training and testing. The certification should also be tied to a trade or professional organization with continuing education requirements for maintenance of good standing.

Sincerely, Man Sele NELSON J SEVA

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California Energy Commission Attention: Docket No. 12-BSTD-2 Dockets Office 1516 Ninth Street, MS-4 Sacramento, CA 95814

Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

Dear Commissioners:

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My name is $\underline{Jeff Sunseri}_$, I am currently a $\underline{12}^{\underline{21}}$ year Apprentice in the HVAC System/Sheet Metal Apprenticeship Program.

I am writing to support the Energy Commission proposal to require Title 24 acceptance tests for nonresidential buildings to be performed by field technicians that have met specific experience, training and certification requirements. Certification will ensure that acceptance testing is correctly performed and will significantly reduce the incidence of HVAC systems being poorly installed and operating below their specified efficiency. Effective testing and adjusting of commercial HVAC systems requires a unique mix of experience, training and competence. Improper installation and inadequate acceptance testing will result in reduced energy efficiency and substandard performance. The TAB organizations identified in the regulation are the only entities that currently provide certification that ensures a technician has the proper experience, knowledge, and competence to properly perform such testing. Since these programs already exist, it simply makes sense to take advantage of what they have to offer. Accordingly, we strongly support the Commission's reliance on certification by these entities.

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Re: Support for Proposed Non-Residential Acceptance Contractor/Tester Certification

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