# 2016 Building Energy Efficiency Standards
# Pre-Rulemaking Workshop

**November 3, 2014**

**California Energy Commission**
**Hearing Room A**

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## Part 1 - Administrative Regulations

Section 10-103, Permit and Enforcement Requirements:

1. Minor edits to reflect updates for various documents for the 2016 Standards
2. 10-103(b)3 - Maintenance information – Low-rise residential buildings, the information left in the building must include schedule of all interior luminaires and lamps
3. Possible revisions to streamline registration process – See accompanying document

Section 10-103-A(c) – Qualifications and Approval of Certification Providers - Clarifications and minor edits in several sections involving ATTCP qualifications and approval process.

Section 10-103-A(d) - Requirements for ATTCPs to Provide Annual Regular Reports - - Clarifications and minor edits in several sections.

Section 10-103-A(f) - Amendment Process – Added language to describe the procedure for ATTCP for making non-substantive and substantive changes as well as Amendment Review procedures.

Section 10-103-B(c) - Qualifications and Approval of Certification Providers - Clarifications and minor edits in several sections involving ATTCP approval and certifications.

Section 10-103-B(d) - Requirements for ATTCPs to Provide Annual Regular Reports- Clarifications and minor edits in several sections involving ATTCP regular reports.

Section 10-103-B(f) - Amendment Process – Added language to describe the procedure for ATTCP for making nonsubstantive and substantive changes as well as Amendment Review procedures.

Section 10-109(j) - Alternative Residential Field Verification Protocols – Requires alternative residential field verification protocols shall comply with the application requirements of Section 10-109(b).

Section 10-111 – CERTIFICATION AND LABELING OF FENESTRATION PRODUCTS – No substantive changes, only clarification edits.

Section 10-114 – DETERMINATION OF OUTDOOR LIGHTING ZONES – Added Lighting Zone Zero to Table 10-114-A.

**Existing Language - Certificate of Installation (CF-2R):**

**10-103(a)3B – Existing Language**

*"For all low-rise residential buildings for which compliance requires HERS field verification, the person(s) responsible for the Certificate(s) of Installation , or their authorized representative(s), shall submit all Certificate of Installation documentation that is applicable to the building to a HERS provider data registry for registration and retention in accordance with procedures specified in Reference Residential Appendix RA2. The submittals to the HERS provider data registry shall be made electronically in accordance with the specifications in Reference Joint Appendix JA7."*

**Issue**: There is a perception that there are too many forms or perhaps too much information is being gathered into the residential HERS providers' data registries.

**Background:** Beginning with the 2008 Standards, the Commission required the registration of all residential measures that involved a HERS verified measure. In the 2013 Standards, the registration requirement was expanded to include all forms for newly constructed buildings.

As part of the registration process, the responsible person(s) is required to sign CF-1R, CF-2R, and CF-3R forms, to certify that their portion of the work is in compliance. Historically, these forms included many different sections that included work completed by multiple, different trades. The CF-2R (formerly CF-6R) was particularly unwieldy; they were long and had information left blank for Standards requirements that didn't apply to

individual projects, and the process of getting all signatures from all responsible persons on the same document was very cumbersome and confusing (and frequently not accomplished). To address these problems, the Commission broke up these long, comprehensive forms into separate forms for each trade, so that each trade could sign for the work for which they are responsible, and into separate forms for particular compliance options, to avoid having blank spaces appear for inapplicable requirements. One consequence to these changes was the apparent "proliferation" of the forms.

**Goals and Objectives:** The objectives of the registration process are to address the following issues:

1. Complement the local enforcement agencies compliance efforts by ensuring that responsible persons document and certify that their work is in compliance

2. Through transparency establish liability and accountability, and provide a clear record that is consistently and systematically kept to support enforcement

3. Provide information for future Standards development and evaluation needs based on actual building data, and in some cases without the need for resource intensive RD&D efforts

4. Support and augment future RD&D Programs - The registry data will augment or in some cases entirely replace the need for new RD&D projects

5. Incentive and Outreach Programs - Assist the CPUC and the IOUs with developing and improving new incentive and outreach programs

6. Simplification of the Standards - Help staff identify what provisions of Part 6 are rarely or never used and perhaps eliminate those provisions along with the related forms

**Next Steps**

The Commission would like to solicit comments from stakeholders about how to make the registration process more efficient without sacrificing the establishment of liability and accountability, and support for Standards enforcement and development, and further program development and evaluation efforts by the CPUC and IOUs:

1. Is there value in having an Installation Certificate that the Installer has to sign to establish liability and accountability for compliance and to document compliance?

2. Is there value in having the Installation Certificates registered to establish a consistent and systematic record?

3. Are there improvements that can be made to the signature process required for residential compliance documents through the HERS Provider Registry?

4. How can the registration process be designed to be of most value to Enforcement Agencies in carrying-out their plan check and inspection responsibilities?

5. How can usability of the current system be improved?

6. What is the best process for collecting the data needed for further program development, evaluation and enforcement purposes?

7. For nonresidential registries, same questions as above: How much information is needed for effective Standards enforcement and development, and further program development and evaluation efforts by the CPUC and IOUs; how can we take advantage of electronic media to efficiently collect and retain information; what forms should be uploaded (Perf-1, etc), performance input/output files.