

CalCERTS 2019 Update Training Overview

[2019 CalCERTS Update Training Video](#)

The following is an overview of the changes to the 2019 Energy Efficiency Standards that affect HERS Raters. This is a brief overview with the topic, the reference to the RA's applicable for inspection, the impact, and a brief note. Each section also contains a hyperlink to the pertinent section of the Reference Appendices. Review this document in conjunction with the 2019 Update Training Video hyperlinked above.

1. Drain water heat recovery systems

[Reference: RA3.6.9](#)

Compliance Form: Incorporated into CF3R-PLB-22

Impact: New HERS visual verification

Notes: An inspection to verify that the DHWR unit(s) and installation configuration match the compliance document and the DHWR(s) is certified to the Commission to have met the requirements.

2. Multifamily dwelling unit enclosure sealing

[Reference: RA3.8](#) and [§150.0\(o\)1Eii](#)

Compliance Form: Incorporated into CF3R-ENV-20

Impact: New HERS Test (blower door)

Notes: This test is an alternative to the new requirement of balanced IAQ ventilation in MF dwelling units and high-rise residential.

Target: 0.3 cfm50/sq. ft. of envelope surface area.

3. Kitchen range hoods

Reference: [RA3.7.4.3](#)

Compliance Form: CF3R-MCH-32

Impact: New HERS visual verification

Notes: Visual verification confirming data against HVI directory.

4. Heat Pump Heating Capacity

Reference: [RA3.4.4.2](#)

Compliance Form: Incorporated into CF3R-MCH-26

Impact: New HERS visual verification

Notes: Verification that installed heat pump heating capacity meets target on CF1R.

5. Whole House Fans

Reference: [RA3.9](#)

Compliance Form: CF3R-MCH-31

Impact: New HERS test

Notes: Verification that whole house fan airflow meets the target on CF1R. There are three approved airflow measurement methods, one is new.

6. Central Fan Ventilation Cooling System

Reference: [RA3.3.4](#) and [§150.1\(b\)3Bvii](#)

Compliance Form: CF3R-MCH-30

Impact: New HERS test

Notes: Verification that Central Fan Ventilation Cooling System airflow meets the target on CF1R.



7. Small Duct High Velocity Systems

Reference: [RA3.3](#)

Compliance Form: None

Impact: Modified HERS test

Notes: Same test methods, but different AF/FW targets for small duct/high velocity systems.

8. Blower Door Test

Reference: [RA3.8](#)

Compliance Form: Same form, simplified

Impact: Modified HERS test

Notes: Blower door test simplified to eliminate multi-point test.
References RESNET Standard 380.

9. Fan Watt Draw

Reference: [RA3.3](#)

Compliance Form: Same

Impact: Impacted pass rates based on system type.

Notes: Harder to pass fan watt due to reduced targets for typical gas furnaces (0.58 watts/cfm reduced to 0.45 watts/cfm).

Targets: $\leq .45$ W/cfm – Gas furnaces only

$\leq .58$ W/cfm – For all others

$\leq .62$ W/cfm – For small duct high velocity systems

10. Higher MERV Filters

Reference: [RA3.3](#)

Compliance Form: None

Impact: Impacted pass rates

Notes: Harder to pass airflow and fan watt draw test due to increase min MERV rating for HVAC filters (MERV 6 increased to MERV 13).



11. QII

[Reference: RA3.5](#)

Compliance Form: Same form

Impact: Increase in occurrence of inspections.

Notes: QII is a prescriptive measure. Most new homes will probably require QII. Coordination and communication will be even more critical.

12. Mechanical Ventilation

[Reference: RA3.8](#)

Compliance Form: Same form

Impact: Modified HERS test

Notes: No more blower door test for infiltration as ventilation (CF3R-MCH-24).

13. Altered HVAC Systems with Components in Garage

Reference: [RA3.1.4.3.1](#), [RA3.1.4.3.5](#), and [§150.2\(b\)1Diic](#)

Compliance Form: Same form

Impact: Modified HERS test

Notes: Target becomes 6% total leakage or 15% with smoke test in garage.

QII Resources:

[CalCERTS QII Handbook - 2019](#)

[CalCERTS Trade Industry QII Coordination Chart - 2019](#)

