

Kevin Rose/NEEA Suggested Modifications to Residential Energy Code Petition 033/040:

ERI path language suggestions for consideration at 7/18/25 MVPE committee meeting

Purpose:

- Require entity performing rating to be QA'd
- Ensure ERIs are confirmed ratings that are publicly listed
- Clarify that in cases where on-site power production exceeds the thresholds for ERI credit proposed for WSEC, compliance report shall be submitted to show both:
 - the capped renewables rate (to demonstrate compliance), and
 - the full renewables production (to document the actual as-built condition)

R408.6 Verification by approved agency. Verification of compliance with Section R408 as outlined in Sections R408.5 and R408.7 shall be completed by an *approved* third party. Verification of compliance with Section R408.2 shall be completed by the authority having jurisdiction or an *approved* third-party inspection agency in accordance with Section R107.4.

R408.6.1 Quality assurance. *Approved* third party shall hold the appropriate designation and be in good standing with a Home Certification Organization (HCO) recognized by the US Department of Energy or U.S. Environmental Protection Agency. Confirmed compliance documents of the as-built dwelling unit shall be submitted and subjected to quality assurance requirements adopted by said HCO.

[...]

R408.7.2.1 Proposed compliance report for permit application. Compliance reports submitted with the application for a building permit shall include the following:

[...]

6. A certificate indicating that the proposed design has an *ERI* less than or equal to the appropriate score indicated in Table R408.5 when compared to the *ERI reference design*. The certificate shall document the building component energy specifications that are included in the calculation, including: component level insulation *R-values* or *U-factors*; assumed *duct system* and *building thermal envelope* air leakage testing results; and the type and rated efficiencies of proposed heating, cooling, mechanical *ventilation* and service water-heating equipment to be installed. Where *on-site renewable energy* systems will be installed, the certificate shall report the type and production size of the proposed system not to exceed or 6,000 kWh or 20.5 MBtu/hr. Where on-site renewable energy production exceeds 6,000 kWh or 20.5 MBtu/hr, an additional certificate shall be submitted that includes all on-site renewable energy production.

R408.7.2.2 Confirmed compliance report for a certificate of occupancy. A confirmed compliance report submitted for obtaining the certificate of occupancy shall be made site and address specific and include the following:

1. Building street address or other *building site* identification.
2. Declaration of *ERI* on title page and on building plans.
3. The name of the individual performing the analysis and generating the report.
4. The name and version of the compliance software tool.
5. Documentation of all inputs entered into the software used to produce the results for the *ERI reference design* and the as-built *dwelling unit*.
6. A final confirmed certificate indicating that the as-built *building* complies with Sections R408.2, R408.4 and R408.5. The certificate shall report the energy features that were confirmed to be in the *building*, including: component-level insulation *R-values* or *U-factors*; results from any required duct system and *building thermal envelope* air leakage testing; and the type and rated efficiencies of the heating, cooling, mechanical *ventilation*, and service water-heating equipment installed. Where *on-site renewable energy* systems have been installed on or in the *building*, the certificate shall report the type and production size of the installed system not to exceed or 6,000 kWh or 20.5 MBtu/hr. Where *on-site renewable energy* production exceeds 6,000 kWh or 20.5 MBtu/hr, an additional certificate shall be submitted that includes all *on-site renewable energy* production.