



Setting the Standards for
Home Energy Efficiency

RESNET Standards Development New Work Item (NWI) Form

NWI: 301-14-011_____
(Assigned by Standards Manager
following review and approval)

This request is to:

- Create a new Standard
- Revise an existing Standard
- Other (describe)

Proponent(s):

Name: Jim Edelson
Affiliation: New Buildings Institute
Address:
Phone: 503-209-4625
e-Mail: jim@newbuildings.org

Proposed Title: Verification of Renewable Energy Certificates (RECs)

Proposed Purpose: Clarify how onsite power production (OPP) is used to meet the Standard.

Proposed Scope: Develop a proposed addendum to Standard ANSI/RESNET/ICC 301-2014 that defines Renewable Energy Certificate (REC) and ties qualifying Onsite Power Production for Energy Rating calculations to RECs.

Project Need: A means is needed to ensure that the energy produced by Onsite Power Production (OPP) is an environmentally beneficial source of energy, and that the environmental attributes of the energy (eg. market classification as renewable energy) have not been stripped from the OPP.

Stakeholders: Builders, manufactures and providers of Onsite Power Production systems, HERS Providers, Raters, homeowners, government and private sector energy efficiency programs.

Attached Documents (list): See Attachment



RESNET PROPOSED STANDARD AMENDMENT SUBMISSION

Title of Proposed Amendment: Verification of RECs
Name of Person Proposing Amendment: Jim Edelson
Name of Organization: New Buildings Institute
E-mail Address: jim@newbuildings.org
Phone Number: 5032094625

Reason:

This proposal clarifies how onsite power production (OPP) is used to meet the Standard. It defines a Renewable Energy Certificate (REC) and requires that a project that is using OPP in its rating calculation retires ownership of the RECs associated with that OPP, or obtains and retires an equivalent amount of RECs. This requirement ensures that the energy produced by the OPP is an environmentally beneficial source of energy, and that the environmental attributes of the energy (eg. market classification as renewable energy) have not been stripped from the OPP, as is commonly done in third-party provider contracts. Parallel language in Addendum aa is now pending to ASHRAE Standard 189.1 – 2014.

Proposed Amendment:

3.2 Definitions

renewable energy certificate (REC): A tradable instrument that represents one megawatt-hour of renewable electricity generation and is transacted separately from the electricity generated by the renewable energy source.

5.1.1.4 If the Rated Home includes On-Site Power Production (OPP) then OPP shall be calculated as the gross electric power produced minus the equivalent electric use of any purchased fossil fuels used to produce the electric power in accordance with Equation 4.1.3. Documentation shall be provided to the authority having jurisdiction that indicates that the renewable energy certificates associated with OPP will be retained and retired by the owner. Where the building owner does not have ownership of the RECs associated with the OPP, the owner shall obtain and retire equivalent RECs. The Energy Rating Reference Home shall not include On-Site Power Production.