

GEW29-14

602.1.2.1

Proponent: David Collins, The Preview Group, representing American Institute of Architects (dcollins@preview-group.com)

Revise as follows:

602.1.2.1 Modifications to Appendix G of ASHRAE 90.1. The performance rating in Section G1.2 of ASHRAE 90.1 shall be based on energy use instead of cost. Energy use shall be converted to consistent units in accordance with Sections 602.1.2.2 and 602.1.2.3, instead of energy cost. by multiplying the nonrenewable energy fossil use at the utility meter or measured point of delivery to Btu's and multiplying by the conversion factor in Table 602.1.2.2.

Reason: In the performance modeling required by the IgCC and to determine an appropriate ZEPI value, this exception in the energy modeling protocol of ASHRAE 90.1 Appendix G disallows the inclusion of on-site or site recovered renewable energy sources.

The IgCC was originally intended to recognize and include the use of on-site or site recovered renewable energy sources in calculating the ZEPI value for a building intended to comply with the IgCC.

By eliminating this exception the energy modeling protocol of ASHRAE 90.1 is modified to meet the original intent of the SBTC in developing the IgCC and the ASHRAE 90.1 Appendix G modeling protocol is aligned with the original drafting intent of the code. For the edification of the reader the exception to G2.4 states:

G2.4.1 On-Site Renewable Energy and Site-Recovered Energy.

Site-Recovered energy shall not be considered purchased energy and shall be subtracted from the proposed design energy consumption prior to calculating the proposed building performance. On-site renewable energy generated by systems included on the building permit that is used by the building shall be subtracted from the proposed design energy consumption prior to calculating the proposed building performance.

Cost impact: Will not increase the cost of construction.

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