



Weatherization Guidance No. 44

Effective Date: October 7/2019

Updated Classifications and Definitions of Building Space

The purpose of this guidance is to instruct agencies of a change in policy regarding Building Space Calculations. This guidance pertains to all CT WAP Weatherization programs.

If there are further questions, please contact your field representative.

In the course of the recent DOE Monitoring activity, discussions regarding classification of building space in the Weatherization Assistant Audit tool and ASHRAE 62.2-2016 calculations prompted CT WAP Technical and CRT to review reference materials necessary to develop updated policy and procedures.

The following is a series of excerpted materials with talking points for further discussion:

REDCALC 62.2-2016

All enclosed above- and below-grade finished areas suitable for year-round use. Include basements, or parts thereof, only if they are finished in a manner similar to the rest of the dwelling.

Note: CT WAP recognizes Addendum m to ASHRAE 62.2-2016 as approved on 1/24/2018.

Revised definition of floor area as defined in ANSI Standard Z765 1 that includes below grade unfinished spaces in the calculation of floor area if they are within the pressure boundary of the home.

Living Space Floor Area (Weatherization Assistant 8.9)

Enter the number of square feet of floor area that is conditioned. If more area is heated than effectively cooled, enter the heated floor area. The value is total floor area, not footprint area, (e.g. enter 2400 for a two story house with 1200 square feet in each story).

This field has a user definable [default value](#). The factory default is 1200.

DOE Monitor Reference

Conditioned Space

Space purposefully heated by a heating system to maintain a desired temperature, usually utilizing a thermostat to control the space temperature. For example, a basement heated by supply registers or radiators in the space would be heated, as would a basement heated continuously by a space heater.

Unintentionally Conditioned

Space partially heated by a heat source in the space that adds heat unintentionally to the space. For example, a basement that is heated because furnaces, boilers, or water heaters are located in the basement or because uninsulated ductwork runs through the basement.

Unconditioned Space

There are no sources of heat in the space other than conduction through walls, floors, and perhaps insulated ductwork.

Summary

The DOE Monitor referenced definition of conditioned space is established primarily to ensure that NEAT calculations are as accurate as possible.

The ASHRAE 62.2-2016 calculation is to be provided as stated in the REDCALC tool.

The manner in which CAZ depressurization testing is done, in respect to basement door position has no bearing on ASHRAE Calculations.

Pressure and Thermal boundaries that extend into basement areas can only be considered when that area is finished suitable for year round use and if the level is similar to the rest of the dwelling.

Note: CT WAP interprets that as a space having finished surfaces, floorcovering, heat, lighting, doorways and separation from unconditioned spaces.