

GEW52-14

603.5.1, 603.6

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Revise as follows:

603.5.1 Annual Daily and annual direct and indirect emissions. The data acquisition and management system shall be capable of providing the data necessary to calculate the daily and annual direct and indirect CO₂e emissions associated with the operation of the building and its systems using the results of daily and annual energy use measured in accordance with Section 603.5 or the results of on-site emissions monitoring. The calculation shall be based on energy measured for each form of energy delivered to the site on ~~an~~ a daily or annual basis. Where reporting of emissions is required, the determination of emissions shall be in accordance with Section 602.2.3 or through the use of an on-site emissions monitoring system.

603.6 Energy and emissions display. A permanent, readily accessible and visible display shall be provided adjacent to the main building entrance or on a publicly available Internet web site. The display shall be capable of providing all of the following:

1. The current energy demand for the whole building level measurements, updated for each fuel type at the intervals specified in Section 603.3.
2. The average and peak demands for the previous day and the same day the previous year.
3. The total energy usage for the previous ~~48~~ 13 months.
4. The current direct emissions for building equipment, updated for each fuel type.
5. The total direct emissions of building equipment for the previous day and the same day the previous year.
6. The total direct emissions of building equipment for the previous 13 months.

Reasons: The proposed changes improve this section for the following reasons:

- It requires reporting of direct and indirect emissions, which will vary considerably based on the type of energy used in building appliances and equipment.
- It requires the reporting of daily emissions, so that building owners may be alerted to equipment maintenance issues if there is a dramatic change in direct emissions (e.g., incomplete combustion leading to higher CO₂e emissions).
- It allows more flexibility for the reporting, by providing a choice of the use of on-site emissions monitors or the use of approved calculation methods.
- It requires the display to show emissions as well as energy information.
- It provides building specific emissions information that will be useful to building owners, occupants, and visitors.
- It breaks out the emissions information by fuel type, to allow parties to see the different amounts of emissions from different equipment.

Also, changing the recording period from 18 to 13 months will allow users to see the actual information for a year that is provided by energy suppliers based on their billing periods. For example, a "January" billing period may end on January 3, but show data that mostly covers the December calendar month (December 3 to January 3). So the January 2014 display will have information from December 2012 through December 2013, based on the information provided by the energy supplier. Then the data from the daily emissions calculations or monitoring can be aligned with the energy supplier billing periods for the display.

Cost Impact: Will not increase the cost of construction.

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