
40 C.F.R. § 60.5540

How do I demonstrate compliance with my CO₂ emissions standard and determine excess emissions?

(a) In accordance with § 60.5520, if you are subject to an output-based emission standard or you burn non-uniform fuels as specified in § 60.5520(d)(2), you must demonstrate compliance with the applicable CO₂ emission standard in table 1 or 2 of this subpart as required in this section. For the initial and each subsequent 12-operating-month rolling average compliance period, you must follow the procedures in paragraphs (a)(1) through (7) of this section to calculate the CO₂ mass emissions rate for your affected EGU(s) in units of the applicable emissions standard (*i.e.*, either kg/MWh or lb/MMBtu). You must use the hourly CO₂ mass emissions calculated under § 60.5535(b) or (c), as applicable, and either the generating load data from § 60.5535(d)(1) for output-based calculations or the heat input data from § 60.5535(d)(2) for heat-input-based calculations. Combustion turbines firing non-uniform fuels that contain CO₂ prior to combustion (*e.g.*, blast furnace gas or landfill gas) may sample the fuel stream to determine the quantity of CO₂ present in the fuel prior to combustion and exclude this portion of the CO₂ mass emissions from compliance determinations.

(1) Each compliance period shall include only “valid operating hours” in the compliance period, *i.e.*, operating hours for which:

(i) “Valid data” (as defined in § 60.5580) are obtained for all of the parameters used to determine the hourly CO₂ mass emissions (kg) and, if a heat input-based standard applies, all the parameters used to determine total heat input for the hour are also obtained; and

(ii) The corresponding hourly gross or net energy output value is also valid data (*Note*: For hours with no useful output, zero is considered to be a valid value).

(2) You must exclude operating hours in which:

(i) The substitute data provisions of part 75 of this chapter are applied for any of the parameters used to determine the hourly CO₂ mass emissions or, if a heat input-based standard applies, for any parameters used to determine the hourly heat input; or

This document is only available to subscribers. Please [log in](#) or [purchase access](#).

[Purchase Login](#)