



Ohio Administrative Code

Rule 3745-103-33 Opt-in data for baseline and alternative baseline.

Effective: September 25, 2023

(A) Acceptable data.

(1) The designated representative of a combustion source shall submit either the baseline data specified in paragraphs (A)(2) and (A)(3) of this rule or alternative baseline data under paragraph (C) of this rule. The designated representative shall also submit the calculations under this rule based on such data.

(2) The following baseline data shall be submitted for the combustion source for the calendar year under paragraph (A)(3) of this rule:

(a) Monthly or annual quantity of each type of fuel consumed, expressed in thousands of tons for coal, thousands of barrels for oil, and million standard cubic feet for natural gas. For other fuels, specify the units of measure.

(b) Monthly or annual heat content of fuel consumed for each type of fuel consumed, expressed in Btu per pound for coal, Btu per barrel for oil, and Btu per standard cubic foot for natural gas. For other fuels, specify the units of measure.

(c) Monthly or annual sulfur content of fuel consumed for each type of fuel consumed, expressed as a percentage by weight.

(3) Calendar years.

(a) For combustion sources that commenced operating prior to January 1, 1985, data under this rule shall be submitted for calendar years 1985, 1986, and 1987.

(b) For combustion sources that commenced operation after January 1, 1985, the data under this rule shall be submitted for the first three consecutive calendar years during which the combustion source



operated after December 31, 1985.

(B) Calculation of baseline and alternative baseline.

(1) For combustion sources that commenced operation prior to January 1, 1985, the baseline is the average annual quantity of fuel consumed during calendar years 1985, 1986, and 1987, expressed in million British thermal units. The baseline shall be calculated as follows:

$$\text{Baseline} = \frac{\sum_{\text{year}=1985}^{1987} \text{Annual Fuel Consumption}}{3}$$

Where,

(a) For a combustion source submitting monthly data,

$$\text{Annual Fuel Consumption} = \sum_{\text{Months}=\text{Jan}}^{\text{Dec}} \sum_{\text{Fuel Types}} \left[\frac{\text{Quantity of Fuel Consumed} \times}{\text{Heat Content} \times \text{Unit Conversion}} \right]$$

And unit conversion	= 2 for coal
	= 0.001 for oil
	= 1 for gas

For other fuels, the combustion source shall specify unit conversion; or

(b) For a combustion source submitting annual data,



$$\text{Annual Fuel Consumption} = \sum_{\text{Fuel Type}} \left[\frac{\text{Quantity of Fuel Consumed} \times}{\text{Heat Content} \times \text{Unit Conversion}} \right]$$

And unit conversion	= 2 for coal
	= 0.001 for oil
	= 1 for gas

For other fuels, the combustion source shall specify unit conversion.

(2) For combustion sources that commenced operation after January 1, 1985, the alternative baseline is the average annual quantity of fuel consumed in the first three consecutive calendar years during which the combustion source operated after December 31, 1985, expressed in MMBtu. The alternative baseline shall be calculated as follows:

$$\text{Alternative Baseline} = \frac{\sum_{\text{First 3 Consecutive Years}} \text{Annual Fuel Consumption}}{3}$$

Where,

"Annual fuel consumption" is as defined under paragraph (B)(1)(a) or (B)(1)(b) of this rule.

(C) Alternative data.

(1) For combustion sources for which any of the data under paragraph (B) of this rule is not available due solely to a natural catastrophe, data as set forth in paragraph (A)(2) of this rule for the first three consecutive calendar years for which data is available after December 31, 1985, may be submitted. The alternative baseline for these combustion sources shall be calculated using the equation for alternative baseline in paragraph (B)(2) of this rule and the definition of annual fuel consumption in paragraph (B)(1)(a) or (B)(1)(b) of this rule.



(2) Except as provided in paragraph (C)(1) of this rule, no alternative data may be submitted. A combustion source that cannot submit all required data, in accordance with this rule, shall not be eligible to submit an opt-in permit application.

(D) USEPA's action. The USEPA may accept in whole or in part or with changes as appropriate, request additional information, or reject data or alternative data submitted for a combustion source's baseline or alternative baseline.