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OIR-16-05 Perhaps staff have overlooked the Yield Factor calculation equation for total California system electricity portfolio

Perhaps staff have overlooked the Yield Factor calculation equation for total California system electricity portfolio?

The purpose of Disclosure of Sources of Electrical Generation is to disclose accurate, reliable, and simple to understand information on the sources of energy, and the associated emissions of greenhouse gases, that are used to provide electric services.

Yield Factor is the factor used to calculate how much generation is associated with electricity consumed at retail. In calculating procurement requirements for retail kilowatthours, Yield Factor times planned retail kilowatthours equals procurement requirements to provide electric services.

Yield Factor is used to produce the per kilowatthour associated greenhouse gas emissions intensity associated with a retail electricity portfolio sales that are used to provide electric services based on the greenhouse gas emissions for the electricity generation portfolio production.

1394.1 shows new amendments (underlined) requiring disclosure of the greenhouse gas emissions intensity associated with statewide retail electricity portfolio sales based on the greenhouse gas emissions for total California system electricity portfolio.

1393 (c) does not define the Yield Factor calculation equation for statewide retail electricity portfolio sales based on the greenhouse gas emissions for total California system electricity portfolio that the Energy Commission will use to implement Public Utilities Code - PUC 398.4. (k) (2) (B).

Public Utilities Code - PUC 398.4. (k) (2) (B)
(B) Calculate the greenhouse gas emissions intensity associated with statewide retail electricity sales based on the greenhouse gas emissions for total California system electricity.

Yield Factors are always a value of one or greater because the retail electricity portfolio sales are divided into the electricity portfolio production.

Yield Factor equals, Total California System Electricity Portfolio minus Net Metered System Electricity Portfolio total, divided by Statewide Retail Electricity Portfolio Sales

YF = Yield Factor
TCSEP = Total California System Electricity Portfolio
NMSEP = Net Metered System Electricity Portfolio

Net Metered System Electricity Portfolio is utility renewable energy reduction credits that will result in virtual reductions in energy consumption that is subject to energy bill payments.
SREPS = Statewide Retail Electricity Portfolio Sales

Equation: YF = (TCSEP suzy NMSEP) / SREPS

Yield Factor times "Greenhouse gas emissions intensity" equals the greenhouse gas emissions intensity associated with retail electricity portfolio sales.

Perhaps the Yield Factor should be shown on the power content label as:

Statewide Yield Factor is 1.18
Portfolio Yield Factor is 1.09
A Yield Factor of 1.00 is best

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