

**ESSB 6001/RCW 80.80 Stakeholder Committee  
Unspecified Sources of Power  
For Discussion Purposes on 12/11/07**

**NOTE: These materials were prepared by the PUD Association, and have been reviewed by other power industry representatives, staff from the CTED Energy Policy Division, and representatives from the environmental groups (Climate Solutions, NW Energy Coalition, and NRDC). However, this does not imply that any individual or group listed has endorsed this proposal or any portion of it.**

**Ecology has not taken a position on these proposals. The purpose of this draft is to provide a point of reference for continuing the discussion on unspecified sources of power.**

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**WAC 173-407- ??? Procedures for Determining the Emissions Performance Standard of a Long Term Financial Commitment (RCW 80.80.060 and 80.80.070) and Addressing Electricity from Unspecified Sources (RCW 80.80.040(9))**

“Electricity from unspecified sources” means electricity to be delivered pursuant to a long term financial commitment, contract or purchase whose sources or origins of generation and expected average annual deliveries of electricity cannot be ascertained with reasonable certainty.

The following procedures are adopted by the department to be utilized by the department under RCW 80.80.060 and to be available to and utilized by the governing boards of consumer owned utilities pursuant to RCW 80.80.070 when evaluating a potential long term financial commitment. This procedure can be utilized when the long term financial commitment includes electricity from unspecified sources, electricity from one or more specified sources, and/ or provisions to meet load growth with electricity from unspecified and/ or specified sources.

The Emissions Performance Standard for a long term financial commitments is calculated using a time weighted average of all sources of emissions in the years in which they are contributing electricity and emission in the commitment. Each source’s proportional contribution to emissions per each MWh delivered under the contract is added together to demonstrate that the long term financial commitment does not exceed, in any year, on average, the emissions performance standard of RCW 80.80.040, currently 1100 lbs/ MWh, as updated pursuant to RCW 80.80.050.

A time weighted average formula calculates, for every year of the contract, the average GHG emissions per average MWh of the portfolio using the expected annual average proportional delivery from each source in proportion to the total portfolio for the year for which the calculation is being made. Default values adopted in this procedure shall be used for each source unless actual emissions are known or specified by the manufacturer.

A default GHG emissions value of an average pulverized coal plant, as shown below, shall be used for unspecified sources in the procedure.

It is not practicable within the realm of unspecified sources to address certain contract provisions that may provide electricity under a variety of time frames within a long term financial commitment. Such contract provisions may include balancing energy, regulating, spinning and operating reserves, ancillary services for renewable integration, such as storage, shaping and redelivery, and force majeure.

The time weighted average calculation can be performed using emissions factors as follows (Table 1 is an Example Calculation):

For specified sources (generators): In all cases, if a manufacturer's emissions specification or measured emission rate is available for a specified generator, that specification or measured rate will be used in the calculation.

Combined cycle combustion turbines = 1100 lbs/ MWh - or as updated and adopted by rule in 2012 and every five years thereafter pursuant to RCW 80.80.050

Steam turbines using pulverized coal = 2,200 lbs/ MWh minus the amount of CO<sub>2</sub> permanently sequestered on an annual basis divided by the MWhs generated that year.

Integrated Gasification Combined Cycle = 1,800 lbs/ MWh minus the amount of CO<sub>2</sub> permanently sequestered on an annual basis divided by the MWhs generated that year

Electricity from unspecified sources = 2,200 lbs/ MW

