

**ESSB 6001/RCW 80.80 Stakeholder Committee
Unspecified Sources of Power – Example Calculation
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.

Example Procedure for Calculating Emissions Performance

Proposed Annual Energy, aMW 100

Generation	Emissions, lbs/MWh	Percent of Contract	1		2		3		4		5		
			Load, aMW	Emissions lbs/MWh									
Hydro	0	77%	77	0	77	0	77	0	77	0	77	0	
Nuclear	0	10%	10	0	10	0	10	0	10	0	10	0	
CCCT	1,100	5%	5	55	5	55	5	55	5	55	5	55	
Wind	0	4%	4	0	4	0	4	0	4	0	4	0	
Pulverized Coal	2,200	0%	0	0	0	0	0	0	0	0	0	0	
Solar	0	0%	0	0	0	0	0	0	0	0	0	0	
Biomass	0	0%	0	0	0	0	0	0	0	0	0	0	
Landfill Gas	0	0%	0	0	0	0	0	0	0	0	0	0	
Unspecified	2,200	4%	4	88	4	88	4	88	4	88	4	88	
*Load Growth, Specified, yr begin	4	1,100	0.50%	0	0	0	0	0.00	0	0.52	5	1.05	10
*Load Growth, Unspecified, yr begin	3	2,200	3.00%	0	0	0.00	0	3.00	64	6.09	126	9.29	185
Total aMW (yr 1 must equal yr 1 contract)			100		100		103.0		106.6		110.3		
Total Emissions, lbs/MWh				143		143		207.1		274.0		338.6	
Total First Yr % should = 100%													100%

* Load Growth Calculation begins at beginning of year specified

Summary	Contract Year	Load, aMW	Emissions lbs/MWh	Year	Load	Emissions
	1	100	143	11	135.6	683
	2	100	143	12	140.4	734
	3	103.0	207	13	145.3	783
	4	106.6	274	14	150.4	831
	5	110.3	339	15	155.6	876
	6	114.2	401	16	161.1	921
	7	118.2	461	17	166.7	963
	8	122.3	520	18	172.6	1,005
	9	126.6	576	19	178.6	1,045
	10	131.0	631	20	184.9	1,083

