

Fuel Mix Disclosure Workbook

This workbook is for your use only. You do not need to submit it.

It is designed to help you determine the appropriate number of claims per resource which you then report using the online Fuel Mix Disclosure form. The calculation methods used in this workbook are in alignment with those described in the Fuel Mix Disclosure Guidelines.

It may be especially helpful to utilities that have used renewables to serve load or purchased RECs .

Step 1: Enter your retail load in the empty block on the red Main tab. The blue fields will self-populate as you enter power resources into Tabs A, B, C and/or D.

Step 2: Enter all power resources and RECs using the appropriate tabs (A, B, C and/or D). See notes on each tab to decide where to enter resources.

Step 3: Review the figures that have self-populated on the Main tab. The figure in Line 22 should match the figure in Line 4. If it does not, review your entries to see where there may be an error.

Questions? Workbook error? Contact Angela Burrell, 360-725-3125 or Angela.Burrell@commerce.wa.gov

1990 Fuel Mix Disclosure Workbook

The blue portions of this sheet will self-populate after Resource have been entered into Tabs A, B, C, D, where applicable.

Utility Mix

Retail Load Total (sales + losses) megawatt hours
4,371,233

You must enter the figure into this box.

Total Power Resources 10,807,759

Combined Total of Tabs A, B, C, D

Resources Excepted from the Av Syst Mix Method 411,705
 Eligible Renew, RECs, BPA Block

Combined Total of Tabs B, C, D

Removing Excepted Resources from Av Syst Mix Calculation
 Adjusted Load (Load minus Exceptions) 3,959,528
 Adjusted Power (Power minus Exceptions) 10,396,054

Resource Allocation
 Load divided by Power 0.38

Figuring Claims
 Standard Power Purchases Claim Total (see Tab A) 3,959,528
 Claims for Resources not in Ratio (line 9) 411,705
Total Claims 4,371,233

Tab A claims total multiplied by Average System Mix Ratio

Tab B, C, D claims at full value.

When all claims have been entered, this number should equal the Retail Load Total in Line 4.

Claims and Mix						Carbon Emissions		
Fuel Category	Claims by Percent	Specified Claims MWh	Unspecified Claims MWh	Total Claims MWh	Fuel Mix	CO2 Emissions Factor (short tons/MWh)	Emissions (short tons)	Emissions (metric tons)
Hydro	62%	2,721,418	165,794	2,887,211	66%	0	-	-
Coal	19%	848,727	145,952	994,680	23%	1.13	1,127,810	1,022,924
Nuclear	1%	46,335	15,133	61,468	1%	0	-	-
Cogen	0%	-	-	-	0%	0	-	-
CCCT - Gas	0%	-	-	-	0%	0	-	-
Simple-Cycle Gas	0%	5,241	3,027	8,268	0%	0.50	4,147	3,761
Biomass	9%	413,217	6,390	419,606	10%	-	-	-
Other	0%	-	-	-	0%	0	-	-
Unspecified/Market	8%							
	100%	4,034,937	336,296	4,371,233	100%		1,131,957	1,026,685

Eligible Renewable Power	MWh (megawatt hours)
Vaagen Brothers Lumber Company (PURPA)	34,982
Kettle Falls Boiler	336,285
Wood Power Incorporated	40,438
Total	411,705.00

List by plant name. Use abbreviations or acronyms, etc. This is for your records only. Include Distributed Generation Wind and Solar sources here.

Renewable Energy Credits from Plants	Units (1 REC= 1 MWh)
Total	-

List by plant name. Use abbreviations or acronyms, etc. This is for your records only.
 4,371,233.00 BPA system claims after REC retirements are applied
 bpa purchases minus recs
 need to have a space to do this in the sheet so they know what to enter for bpa purchase
 instructions should say:Enter RECs after entering purchase total on main page
 need to set this up for BPA full requirements customers.

BPA Block Purchase	MWh (megawatt hours)
Block	
Total	0

BPA customers:

Load Following/Full Requirements (100% BPA served): your information is being supplied directly by BPA.

Slice Customers: Enter your BPA purchase on Tab A.

Only one utility in Washington is a BPA block customer as defined by BPA.