

PacifiCorp  
Idaho QF Variable Energy Rate Calculation for 2003/2004

**Variable O&M Cost**

Per IPUC Order 28708 **1.51**

**Fuel Cost Calculation**

	Carbon	Hale	Naughton	Huntington	Hunter	Average
Net Generation (mwh)	1,323,395		5,019,304	5,977,919	8,115,871	5,109,122
Fuel Cost	11,200,680		54,128,384	49,079,025	62,664,192	44,268,070
Average Cost /mWh						<b>8.66</b>

Total Variable Energy Rate for 2003/2004 **10.17**

Source: 2002 FERC Form 1

Name of Respondent PacifiCorp	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04/30/2003	Year of Report Dec. 31, 2002
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**STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)**

1. Report data for plant in Service only. 2. Large plants are steam plants with installed capacity (name plate rating) of 25,000 Kw or more. Report in this page gas-turbine and internal combustion plants of 10,000 Kw or more, and nuclear plants. 3. Indicate by a footnote any plant leased or operated as a joint facility. 4. If net peak demand for 60 minutes is not available, give data which is available, specifying period. 5. If any employees attend more than one plant, report on line 11 the approximate average number of employees assignable to each plant. 6. If gas is used and purchased on a therm basis report the Btu content or the gas and the quantity of fuel burned converted to Mct. 7. Quantities of fuel burned (Line 37) and average cost per unit of fuel burned (Line 40) must be consistent with charges to expense accounts 501 and 547 (Line 41) as show on Line 19. 8. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.

Line No.	Item (a)	Plant Name: Carbon (b)	Plant Name: Cholla (c)
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear)	Steam	Steam
2	Type of Constr (Conventional, Outdoor, Boiler, etc)	Outdoor Boiler	Full Outdoor
3	Year Originally Constructed	1954	1981
4	Year Last Unit was installed	1957	1981
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	188,600 Kw 188.60	414.00
6	Net Peak Demand on Plant - MW (60 minutes)	177	382
7	Plant Hours Connected to Load	8653	7887
8	Net Continuous Plant Capability (Megawatts)	0	0
9	When Not Limited by Condenser Water	175	380
10	When Limited by Condenser Water	0	0
11	Average Number of Employees	75	81
12	Net Generation, Exclusive of Plant Use - KWh	X 1323395000	2533121000
13	Cost of Plant: Land and Land Rights	956546	1178241
14	Structures and Improvements	10867218	45215540
15	Equipment Costs	66860399	312724395
16	Total Cost	78684163	359118176
17	Cost per KW of Installed Capacity (line 5)	417.2013	867.4352
18	Production Expenses: Oper, Supv, & Engr	139579	1199395

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**STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants) (Continued)**

1. Report data for plant in Service only. 2. Large plants are steam plants with installed capacity (name plate rating) of 25,000 Kw or more. Report in this page gas-turbine and internal combustion plants of 10,000 Kw or more, and nuclear plants. 3. Indicate by a footnote any plant leased or operated as a joint facility. 4. If net peak demand for 60 minutes is not available, give data which is available, specifying period. 5. If any employees attend more than one plant, report on line 11 the approximate average number of employees assignable to each plant. 6. If gas is used and purchased on a term basis report the Btu content or the gas and the quantity of fuel burned converted to Mct. 7. Quantities of fuel burned (Line 37) and average cost per unit of fuel burned (Line 40) must be consistent with charges to expense accounts 501 and 547 (Line 41) as show on Line 19. 8. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.

Line No.	Item (a)	Plant Name: <i>Huntington</i> (b)	Plant Name: <i>Jim Bridger</i> (c)				
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear)	Steam	Steam				
2	Type of Constr (Conventional, Outdoor, Boiler, etc)	Outdoor Boiler	Semi-Outdoor				
3	Year Originally Constructed	1974	1974				
4	Year Last Unit was Installed	1977	1979				
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	996.00	2311.20				
6	Net Peak Demand on Plant - MW (60 minutes)	896	1404				
7	Plant Hours Connected to Load	8510	8760				
8	Net Continuous Plant Capability (Megawatts)	0	0				
9	When Not Limited by Condenser Water	895	2120				
10	When Limited by Condenser Water	0	0				
11	Average Number of Employees	162	359				
12	Net Generation, Exclusive of Plant Use - KWh	X 5977919000	9630099000				
13	Cost of Plant: Land and Land Rights	2405337	1146361				
14	Structures and Improvements	94498627	132803837				
15	Equipment Costs	324856385	672352890				
16	Total Cost	421760349	806303088				
17	Cost per KW of Installed Capacity (line 5)	423.4542	348.8677				
18	Production Expenses: Oper, Supv, & Engr	13527	3993621				
19	Fuel	X 49079025	115998979				
20	Coolants and Water (Nuclear Plants Only)	0	0				
21	Steam Expenses	5411594	-2017319				
22	Steam From Other Sources	0	0				
23	Steam Transferred (Cr)	0	0				
24	Electric Expenses	0	104440				
25	Misc Steam (or Nuclear) Power Expenses	7054560	3976614				
26	Rents	493704	219744				
27	Allowances	0	0				
28	Maintenance Supervision and Engineering	1017097	274333				
29	Maintenance of Structures	1496827	7468228				
30	Maintenance of Boiler (or reactor) Plant	10358518	19192990				
31	Maintenance of Electric Plant	4425884	6719392				
32	Maintenance of Misc Steam (or Nuclear) Plant	1079620	1626374				
33	Total Production Expenses	80430356	157557396				
34	Expenses per Net KWh	0.0135	0.0164				
35	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	Coal	Oil		Coal	Oil	
36	Unit (Coal-tons/Oil-barrel/Gas-mcf/Nuclear-indicate)	Tons	Barrels		Tons	Barrels	
37	Quantity (units) of Fuel Burned	2696708	22832	0	5495620	26972	0
38	Avg Heat Cont - Fuel Burned (btu/indicate if nuclear)	11321	140000	0	9116	140000	0
39	Avg Cost of Fuel/unit, as Delvd f.o.b. during year	17.533	32.614	0.000	20.674	33.716	0.000
40	Average Cost of Fuel per Unit Burned	17.923	32.614	0.000	20.938	33.716	0.000
41	Average Cost of Fuel Burned per Million BTU	0.792	5.547	0.000	1.149	5.734	0.000
42	Average Cost of Fuel Burned per KWh Net Gen	0.008	0.000	0.000	0.012	0.000	0.000
43	Average BTU per KWh Net Generation	10236.322	0.000	0.000	10420.474	0.000	0.000



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**STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)(Continued)**

9. Items under Cost of Plant are based on U. S. of A. Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching, and Other Expenses Classified as Other Power Supply Expenses. 10. For IC and GT plants, report Operating Expenses, Account Nos. 547 and 549 on Line 24 "Electric Expenses," and Maintenance Account Nos. 553 and 554 on Line 31, "Maintenance of Electric Plant." Indicate plants designed for peak load service. Designate automatically operated plants. 11. For a plant equipped with combinations of fossil fuel steam, nuclear steam, hydro, internal combustion or gas-turbine equipment, report each as a separate plant. However, if a gas-turbine unit functions in a combined cycle operation with a conventional steam unit, include the gas-turbine with the steam plant. 12. If a nuclear power generating plant, briefly explain by footnote (a) accounting method for cost of power generated including any excess costs attributed to research and development; (b) types of cost units used for the various components of fuel cost; and (c) any other informative data concerning plant type fuel used, fuel enrichment type and quantity for the report period and other physical and operating characteristics of plant.

Plant Name: Naughton (d)	Plant Name: Wyodak (e)	Plant Name: Gadsby (f)	Line No.						
Steam	Steam	Steam	1						
Outdoor Boiler	Conventional	Outdoor	2						
1963	1978	1951	3						
1971	1978	1955	4						
707.20	362.00	251.60	5						
719	280	218	6						
8760	8570	6285	7						
0	0	0	8						
700	335	235	9						
0	0	0	10						
153	71	37	11						
X 5019304000	2289062000	495453000	12						
458248	210526	1020271	13						
55589785	48028460	13415332	14						
268469813	248617252	54710346	15						
324517846	296856238	69145949	16						
458.8770	820.0449	274.8249	17						
415967	1659328	-160342	18						
X 54128384	16445405	30585119	19						
0	0	0	20						
4807154	0	0	21						
0	0	0	22						
0	0	0	23						
8889	0	0	24						
6699143	1932783	3972995	25						
14081	1938	4651	26						
0	0	0	27						
1362522	3518	0	28						
1323801	309894	169481	29						
11660823	3483601	1320594	30						
4262794	470290	1487804	31						
1102615	576420	219331	32						
85786173	24883177	37599633	33						
0.0171	0.0109	0.0759	34						
Coal	Gas		Coal	Oil		Gas			35
Tons	MCF		Tons	Barrels		MCF			36
2639187	241663	0	1695517	3735	0	5839878	0	0	37
10024	1054	0	8110	151224	0	1058	0	0	38
20.179	0.000	0.000	9.624	40.716	0.000	0.000	0.000	0.000	39
20.150	3.931	0.000	9.610	40.716	0.000	4.584	0.000	0.000	40
1.023	3.730	0.000	0.593	6.411	0.000	4.320	0.000	0.000	41
0.011	0.000	0.000	0.007	0.000	0.000	0.062	0.000	0.000	42
10592.167	0.000	0.000	12024.575	0.000	0.000	12508.882	0.000	0.000	43