



Department of Energy

Bonneville Power Administration
P.O. Box 3621
Portland, Oregon 97208-3621

SECURITY AND CONTINUITY OF OPERATIONS

December 11, 2013

In reply refer to: NN-1

Charles Johnson
Physicians for Social Responsibility
812 SW Washington St, Suite 1050
Portland, OR 97205

FOIA #BPA-2014-00207-F

Dear Mr. Johnson:

This is a final response to your request for records that you made to the Bonneville Power Administration (BPA) under the Freedom of Information Act (FOIA), 5 U.S.C. 552.

You requested:

“Columbia Generating Station Long Range Plans from 2003, 2004, 2005, 2006.”

Response:

BPA has found the Columbia Generating Station Long Range Plans from 2003, 2005, and 2006. They are being released in their entirety.

Pursuant to 10 CFR 1004.8, if you are dissatisfied with the adequacy of the search, you may appeal this FOIA response in writing within 30 calendar days of receipt of a final response letter. The appeal should be made to the Director, Office of Hearings and Appeals, HG-1, Department of Energy, 1000 Independence Avenue, SW, Washington, DC 20585-1615. The written appeal, including the envelope, must clearly indicate that a FOIA Appeal is being made.

Please contact Kim Winn, FOIA Specialist, at 503-230-5273 with any questions about this letter.

Sincerely,

/s/Christina J. Munro
Christina J. Munro
Freedom of Information/Privacy Act Officer

Enclosures

Long Range Forecast of Operating Costs and Capital
Nominal \$ in thousands

Item Description	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11
Direct & Indirect O&M Costs	120,873	130,596	135,802	141,234	146,884	152,759	158,869	165,224	171,833	178,706
Outage and Major Maintenance	4,500	50,175	7,072	56,784	3,937	49,719	4,258	53,776	4,606	58,164
Capital Costs (1)	31,000	17,550	10,192	52,782	8,999	14,038	9,733	15,184	10,527	16,423
Fuel Related Costs	40,605	35,442	41,285	40,615	45,325	44,401	49,916	49,403	56,772	55,610
Total Costs	196,978	233,763	194,351	291,415	205,145	260,917	222,776	283,587	243,738	308,904
Total Net Generation (Gwh)	9,478	8,574	9,605	8,240	9,679	8,788	9,706	8,785	9,679	8,785
Outage Days	-	34	-	45	-	28	-	28	-	28
Cost of Power(cents/kwh)	2.08	2.73	2.02	3.54	2.12	2.97	2.30	3.23	2.52	3.52

(1) Includes \$35 million for condenser retubes being considered for FY 2005 - R17. Based upon the outcome of the feedwater copper study. If tubes not replaced the cost of power would be 3.0 cents/kwh or less.

31.1 mills if you subtract out 35m. But there'd be a shorter outage

LONG RANGE FORCAST

Columbia Generating Station
With License Renewal



2005 LRD

Item Description	FY05 ***	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
Direct and Indirect O&M Costs										
Baseline costs ***	\$131,568	\$131,568	\$136,568	\$136,568	\$136,568	\$136,568	\$136,568	\$136,568	\$136,568	\$136,568
Outage Costs (Incremental)	\$16,244		\$14,000		\$12,000		\$12,000		\$12,000	\$12,000
Protects										
Facilities PRC Expense	\$1,500	\$750	\$750	\$750	\$750	\$750	\$750	\$750	\$750	\$750
Info. Tech. PRC Expense ***	\$265	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500
Security Design Basis Threat	\$725									\$1,500
Plant PRC Labor ***	\$5,155	\$4,000	\$5,000	\$4,000	\$5,000	\$4,000	\$5,000	\$4,000	\$5,000	\$4,000
Plant PRC Expense	\$44,808	\$7,000	\$42,000	\$7,000	\$36,000	\$7,000	\$36,000	\$7,000	\$36,000	\$7,000
Subtotal Direct & Indirect O&M Costs	\$200,265	\$144,818	\$199,818	\$149,818	\$191,818	\$149,818	\$191,818	\$149,818	\$191,818	\$149,818
Escalation on Direct & Indirect	\$0	\$4,345	\$12,169	\$13,892	\$24,075	\$23,862	\$37,223	\$34,439	\$51,171	\$45,661
Subtotal Direct & Indirect O&M Costs	\$200,265	\$149,163	\$211,987	\$163,710	\$215,893	\$173,680	\$229,041	\$184,257	\$242,989	\$195,479
Capital Costs										
Facilities PRC ****	\$0	\$750	\$750	\$750	\$750	\$750	\$750	\$750	\$750	\$750
Info. Tech. PRC ***	\$789	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500
Security - Design Basis Threat	\$5,310									
Plant PRC Labor	\$2,111	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
Plant PRC (Mods and Programs)**	\$9,377	\$4,000	\$9,000	\$4,000	\$9,000	\$4,000	\$9,000	\$4,000	\$5,000	\$4,000
Management PRC										
-Condenser replacement	\$250	\$490	\$17,500							
-License Renewal	\$816	\$4,374	\$4,368	\$2,620	\$2,620					
-I&C Equip. (Digital Controls)						\$1,000	\$2,000	\$8,000	\$12,000	\$16,000
Subtotal Capital Costs	\$18,653	\$13,114	\$35,118	\$10,870	\$15,870	\$9,250	\$15,250	\$16,250	\$21,250	\$24,250
Escalation on Capital Costs	\$0	\$393	\$2,139	\$1,008	\$1,992	\$1,473	\$2,959	\$3,735	\$5,669	\$7,391
Subtotal Capital Costs	\$18,653	\$13,507	\$37,257	\$11,878	\$17,862	\$10,723	\$18,209	\$19,985	\$26,919	\$31,641
Fuel Related Costs										
Nuclear Fuel Amortization	\$30,092	\$35,837	\$31,696	\$35,933	\$32,689	\$35,835	\$32,685	\$35,933	\$32,681	\$35,835
Spent Fuel Fee	\$7,853	\$9,078	\$8,059	\$9,103	\$8,281	\$9,078	\$8,280	\$9,103	\$8,279	\$9,078
Loaned Fuel Revenues	-\$764	-\$607	-\$1,057	-\$1,465	-\$1,480	-\$1,458	-\$1,460	-\$1,467	-\$1,467	-\$1,467
UEDD	\$300	\$327	\$354							
Subtotal Fuel Related Costs	\$37,481	\$44,635	\$39,052	\$43,571	\$39,490	\$43,455	\$39,505	\$43,569	\$39,493	\$43,446
Escalation on Fuel Related Costs	\$0	\$0	\$0	\$1,078	\$1,991	\$3,323	\$4,102	\$5,723	\$6,342	\$6,238
Subtotal Fuel Related Costs	\$37,481	\$44,635	\$39,052	\$44,649	\$41,481	\$46,778	\$43,607	\$49,292	\$45,835	\$51,684
Total Unescalated	\$256,399	\$202,567	\$273,988	\$204,259	\$247,178	\$202,523	\$246,573	\$209,637	\$252,561	\$200,655
Total Escalation	\$0	\$4,738	\$14,308	\$15,978	\$28,058	\$28,658	\$44,284	\$43,898	\$63,182	\$85,539
Total Costs - Industry basis	\$256,399	\$207,305	\$288,296	\$220,237	\$275,236	\$231,181	\$290,857	\$253,535	\$315,743	\$286,194
Total Net Generation (GWh)	8,266	9,556	8,452	9,582	8,717	9,556	8,716	9,582	8,715	9,556
Outage Days	45*	0	38*	0	28	0	28	0	28	0
Revised Outage Days										
Cost of Power (Cents per kWh)	3.10	2.17	3.41	2.30	3.16	2.42	3.34	2.65	3.62	2.99

Key Assumption/Qualifications

Generation totals assume a 2% Unplanned Capability Loss Factor, a 2% planned loss factor, a planned coastdown of 12% and that it will take 6 days to get to fullpower following an outage.
Escalation Rate = 1.03

*Efforts are underway to determine if the Outages in FY05 and FY07 can be shortened.

** FY07 includes Feed heater 6A and 6B replacement costs

*** Note: \$1.7M of IT PRC is in Baseline costs. \$1M of PRC Labor transferred to Baseline - Non-Outage years

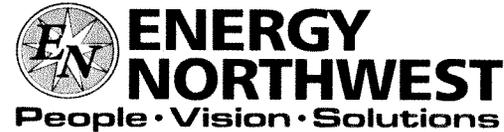
**** Draft Master Facilities Plan for EN will identify additional capital expenditures for CGS in the FY 08 - FY 10 time frame.

MFP plan approval expected early 3rd quarter CY 2004

LRP Targets @ 40% of the Northstar

May 7, 2005

FY-06



Item Description	FY06	FY07	FY08	FY09	FY10	FY11
Direct and Indirect O&M Costs						
Baseline costs	\$95,985	\$91,100	\$88,900	\$87,700	\$87,600	\$86,700
Outage Costs (Incremental)		\$16,000		\$16,000		\$16,000
Admin / General (A&G)	\$41,946	\$37,800	\$37,700	\$37,500	\$37,300	\$37,100
O&M Projects	\$9,049	\$33,600	\$7,700	\$26,100	\$7,500	\$24,200
Subtotal Direct & Indirect O&M Costs	\$146,980	\$178,500	\$134,300	\$167,300	\$132,400	\$164,000
Escalation on Direct & Indirect	\$0	\$5,355	\$8,179	\$15,513	\$16,617	\$26,121
Subtotal Direct & Indirect O&M Costs	\$146,980	\$183,855	\$142,479	\$182,813	\$149,017	\$190,121
Capital Costs						
Capital Projects	\$8,138	\$20,300	\$8,600	\$32,600	\$7,500	\$32,000
Subtotal Capital Costs	\$8,138	\$20,300	\$8,600	\$32,600	\$7,500	\$32,000
Escalation on Capital Costs	\$0	\$609	\$524	\$3,023	\$941	\$5,097
Subtotal Capital Costs	\$8,138	\$20,909	\$9,124	\$35,623	\$8,441	\$37,097
Fuel Related Costs						
Nuclear Fuel Amortization	\$35,837	\$31,696	\$35,933	\$32,689	\$35,835	\$32,685
Spent Fuel Fee	\$8,811	\$8,059	\$9,103	\$8,281	\$9,078	\$8,280
Loaned Fuel Revenues	-\$607	-\$1,057	-\$1,465	-\$1,480	-\$1,458	-\$1,460
UEDD	\$327	\$354				
Subtotal Fuel Related Costs	\$44,368	\$39,052	\$43,571	\$39,490	\$43,455	\$39,505
Escalation on Fuel Related Costs	\$0	\$1,172	\$2,653	\$3,662	\$5,454	\$6,292
Subtotal Fuel Related Costs	\$44,368	\$40,224	\$46,224	\$43,152	\$48,909	\$45,797
Total Unescalated	\$199,486	\$237,852	\$186,471	\$239,390	\$183,355	\$235,505
Total Escalation	\$0	\$7,136	\$11,356	\$22,198	\$23,013	\$37,510
Total Costs - Industry basis	\$199,486	\$244,988	\$197,827	\$261,588	\$206,368	\$273,015
Total Net Generation (Gwh)	9,556	8,452	9,582	8,717	9,556	8,716
Outage Days *	0	38	0	28	0	28
Revised Outage Days						
Cost of Power (Cents per Kwh)	2.09	2.90	2.06	3.00	2.16	3.13

Key Assumption/Qualifications

Escalation Rate = 1.03 starting FY 07