

Fiscal Year 2017 Columbia Generating Station Long Range Plan



BPA Rate Case	← RC →	← RC →	← RC →	← RC →	← RC →	← RC →	← RC →	← RC →	← RC →	← RC →	← RC →
Columbia Fiscal Year	FY17 (R23)	FY18	FY19 (R24)	FY20	FY21 (R25)	FY22	FY23 (R26)	FY24	FY25 (R27)	FY26	FY27 (R28)
O&M Costs											
Baseline Costs	\$ 118,861	\$ 118,865	\$ 122,423	\$ 124,279	\$ 123,974	\$ 126,076	\$ 125,988	\$ 124,656	\$ 126,181	\$ 124,414	\$ 126,548
Outage Costs (Incremental)	27,529	-	27,529	-	27,529	-	27,529	-	27,529	-	27,529
Administration / General (A&G) ▼	70,864	71,602	74,175	81,740	83,087	84,739	84,461	83,018	84,593	83,351	82,882
Plant Projects	32,228	6,213	43,810	10,459	43,648	13,350	42,956	9,052	46,462	9,052	46,462
Facilities Projects	939	958	958	958	958	958	958	958	958	958	958
Risk Reserve	2,455	1,312	5,000	3,250	2,000	1,500	2,000	1,500	2,000	1,500	3,500
Subtotal O&M Costs	\$ 252,876	\$ 198,950	\$ 273,895	\$ 220,686	\$ 281,196	\$ 226,623	\$ 283,893	\$ 219,184	\$ 287,723	\$ 219,275	\$ 287,880
Escalation (2.5%)	-	3,376	10,511	11,687	21,827	20,184	33,343	26,777	45,445	35,204	58,222
Total O&M Costs (w/ escalation)	\$ 252,876	\$ 202,326	\$ 284,406	\$ 232,373	\$ 303,023	\$ 246,807	\$ 317,236	\$ 245,961	\$ 333,168	\$ 254,480	\$ 346,102
Capital Costs											
Plant Projects *	\$ 103,738	\$ 57,663	\$ 61,460	\$ 30,735	\$ 33,586	\$ 23,509	\$ 33,696	\$ 41,419	\$ 38,170	\$ 40,746	\$ 40,373
Risk Reserve	9,804	7,200	8,600	6,300	7,500	5,000	8,300	12,000	13,300	12,000	12,500
Moveable Capital & Downtown Projects †	1,259	1,323	1,323	1,323	1,323	1,323	1,323	1,323	1,323	1,323	1,323
Facilities Projects	612	608	608	594	594	594	594	594	594	594	594
Information Technology Projects †	8,994	11,152	10,167	11,537	10,808	10,468	10,612	11,350	11,350	11,452	10,468
Administration / General (A&G) ▼	19,192	19,053	18,473	9,782	10,453	7,700	10,020	10,388	10,882	11,077	13,643
Subtotal Capital Costs	\$ 143,599	\$ 97,000	\$ 100,632	\$ 60,271	\$ 64,264	\$ 48,594	\$ 64,545	\$ 77,074	\$ 75,619	\$ 77,191	\$ 78,901
Escalation (2.5%)	-	2,425	5,094	4,634	6,671	6,386	10,307	14,543	16,515	19,210	22,099
Total Capital Costs (w/ escalation)	\$ 143,599	\$ 99,425	\$ 105,726	\$ 64,905	\$ 70,935	\$ 54,980	\$ 74,853	\$ 91,616	\$ 92,134	\$ 96,401	\$ 101,000
Fuel Related Costs											
Nuclear Fuel Amortization **	47,650	62,104	54,986	63,678	56,625	63,670	56,787	65,636	58,433	66,013	61,528
Subtotal Fuel Related Costs	\$ 47,650	\$ 62,104	\$ 54,986	\$ 63,678	\$ 56,625	\$ 63,670	\$ 56,787	\$ 65,636	\$ 58,433	\$ 66,013	\$ 61,528
Total Escalated Budget	\$ 444,125	\$ 358,054	\$ 429,513	\$ 344,635	\$ 402,085	\$ 338,887	\$ 405,225	\$ 361,894	\$ 421,775	\$ 362,480	\$ 428,309
Total Escalation	-	5,801	15,605	16,322	28,499	26,570	43,650	41,320	61,960	54,414	80,321
Total Cost - Industry Basis	\$ 444,125	\$ 363,855	\$ 445,119	\$ 360,956	\$ 430,583	\$ 365,457	\$ 448,875	\$ 403,214	\$ 483,735	\$ 416,894	\$ 508,630
Generation/Cost of Power											
Total Net Generation (Gwh)	8,550	9,755	8,686	9,782	8,686	9,755	8,686	9,782	8,686	9,755	8,686
Outage Days	40		40		40		40		40		40
Cost of Power (Cents per kWh)	\$ 5.19	\$ 3.67	\$ 4.94	\$ 3.52	\$ 4.63	\$ 3.47	\$ 4.67	\$ 3.70	\$ 4.86	\$ 3.72	\$ 4.93
Cost of Power (Cents per kWh, escalated)	\$ 5.19	\$ 3.73	\$ 5.12	\$ 3.69	\$ 4.96	\$ 3.75	\$ 5.17	\$ 4.12	\$ 5.57	\$ 4.27	\$ 5.86
Key Assumption/Qualifications (Revision - 3/09/16)											
Escalation Rate = Labor 2.75% and Non-labor 2.5%. Generation assumes 1% unplanned/ 2% planned loss.											
Recovered 5 MWe from Instrument Fouling in FY 16, 18 MWe from Appendix K in FY 18 (FY 16 Net 1125, FY 17 Net 1125, FY 18 Net 1143)											
▼ Potential Financial Risk; † Potential Financial Opportunity; *Number includes Fukushima project funding ** Does not include fuel costs associated with increase generation											