

Fiscal Year 2018 Columbia Generating Station Long Range Plan

DRAFT



BPA Rate Case	RC		RC		RG		RC		RC		RC	
Columbia Fiscal Year	FY18	FY19 (R24)	FY20	FY21 (R25)	FY22	FY23 (R26)	FY24	FY25 (R27)	FY26	FY27 (R28)	FY28	
O&M Costs												
Baseline Costs	\$ 118,123	\$ 116,527	\$ 115,633	\$ 113,715	\$ 112,627	\$ 108,778	\$ 104,387	\$ 101,869	\$ 97,813	\$ 98,072	\$ 96,250	
Outage Costs (Incremental)	-	22,614	-	22,502	-	19,935	-	18,267	-	18,266	-	
Administration / General (A&G) ▼	\$ 72,440	\$ 76,029	\$ 83,784	\$ 85,164	\$ 86,857	\$ 86,573	\$ 85,093	\$ 86,708	\$ 85,435	\$ 84,954	\$ 85,435	
Plant Projects	\$ 7,913	\$ 42,469	\$ 7,088	\$ 36,691	\$ 12,257	\$ 37,738	\$ 7,072	\$ 39,576	\$ 7,169	\$ 49,211	\$ 9,316	
Facilities Projects	\$ 983	\$ 982	\$ 982	\$ 982	\$ 982	\$ 982	\$ 982	\$ 982	\$ 982	\$ 982	\$ 982	
Risk Reserve	-	2,000	1,500	2,000	1,500	2,000	1,500	2,000	1,500	2,000	1,500	
Subtotal O&M Costs	\$ 199,459	\$ 260,621	\$ 208,987	\$ 261,055	\$ 214,224	\$ 256,007	\$ 199,035	\$ 249,402	\$ 192,899	\$ 253,485	\$ 193,483	
Escalation (3% Labor / 2% Non-Labor)	-	5,334	8,928	17,886	20,209	28,840	28,950	41,556	37,925	55,525	48,743	
Total O&M Costs (w/ escalation)	\$ 199,459	\$ 265,955	\$ 217,915	\$ 278,942	\$ 234,433	\$ 285,847	\$ 227,985	\$ 290,958	\$ 230,824	\$ 309,010	\$ 242,227	
Capital Costs												
Plant Projects *	\$ 60,188	\$ 67,277	\$ 33,876	\$ 56,077	\$ 30,446	\$ 38,558	\$ 42,699	\$ 57,182	\$ 36,151	\$ 48,278	\$ 49,189	
Risk Reserve	9,167	9,174	4,751	6,579	5,331	6,069	6,268	7,798	6,280	5,364	5,465	
Moveable Capital & Downtown Projects †	1,253	1,356	1,356	1,356	1,356	1,356	1,356	1,356	1,356	1,356	1,356	
Facilities Projects	719	624	608	608	608	608	608	608	608	608	608	
Information Technology Projects †	10,943	10,421	11,825	11,078	10,730	10,878	11,634	11,634	11,738	10,730	10,730	
Administration / General (A&G) ▼	17,555	18,610	11,055	15,788	10,015	12,154	13,223	16,362	11,884	13,865	14,229	
Subtotal Capital Costs	\$ 99,825	\$ 107,462	\$ 63,472	\$ 91,487	\$ 58,486	\$ 69,624	\$ 75,788	\$ 94,940	\$ 68,017	\$ 80,202	\$ 81,577	
Escalation (3% Labor / 2% Non-Labor)	-	2,264	2,740	5,913	5,171	7,718	10,232	14,933	12,571	16,666	19,188	
Total Capital Costs (w/ escalation)	\$ 99,825	\$ 109,726	\$ 66,212	\$ 97,400	\$ 63,657	\$ 77,342	\$ 86,020	\$ 109,873	\$ 80,588	\$ 96,868	\$ 100,766	
Fuel Related Costs												
Nuclear Fuel Amortization **	57,709	51,761	58,224	52,580	58,942	53,848	58,813	53,949	60,251	55,313	61,390	
Subtotal Fuel Related Costs	\$ 57,709	\$ 51,761	\$ 58,224	\$ 52,580	\$ 58,942	\$ 53,848	\$ 58,813	\$ 53,949	\$ 60,251	\$ 55,313	\$ 61,390	
Total Un-escalated Budget	\$ 356,993	\$ 419,844	\$ 330,683	\$ 405,122	\$ 331,652	\$ 379,478	\$ 333,636	\$ 398,290	\$ 321,167	\$ 389,000	\$ 336,451	
Total Escalation	-	7,598	11,667	23,800	25,380	37,558	39,182	56,489	50,496	72,191	67,931	
Total Cost - Industry Basis	\$ 356,993	\$ 427,442	\$ 342,351	\$ 428,922	\$ 357,032	\$ 417,036	\$ 372,819	\$ 454,779	\$ 371,662	\$ 461,191	\$ 404,382	
Generation/Cost of Power												
Total Net Generation (Gwh)	9,769	8,716	9,816	8,716	9,789	8,716	9,816	8,716	9,789	8,716	9,816	
Outage Days		40		40		40		40		40		
Cost of Power (Cents per kWh)	\$ 3.65	\$ 4.82	\$ 3.37	\$ 4.65	\$ 3.39	\$ 4.35	\$ 3.40	\$ 4.57	\$ 3.28	\$ 4.46	\$ 3.43	
Cost of Power (Cents per kWh, escalated)	\$ 3.65	\$ 4.90	\$ 3.49	\$ 4.92	\$ 3.65	\$ 4.78	\$ 3.80	\$ 5.22	\$ 3.80	\$ 5.29	\$ 4.12	
Key Assumption/Qualifications (Revision - 3/12/17)	Escalation Rate = Labor 3% and Non-labor 2%.											
	Net Generation 1152 Mwe; assumes 1% unplanned/ 2% planned loss.											
	▼ Potential Financial Risk; † Potential Financial Opportunity; *Number includes Fukushima project funding ** Does not include fuel costs associated with increase generation											
	Every fourth year, generation increase slightly due to leap year											
	Pending Board Approval											