

Fiscal Year 2014 Columbia Generating Station Long Range Plan



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Item Description (Final FY 14 Updated 5/2/13 LP Years)	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	
	BPA Rate	BPA Rate Period	BPA Rate Period	BPA Rate Period	BPA Rate Period	BPA Rate Period	BPA Rate Period	BPA Rate Period	BPA Rate Period	BPA Rate Period		
Direct and Indirect O&M Costs												
Baseline Costs	\$ 125,453	\$ 118,345	\$ 121,133	\$ 117,795	\$ 119,993	\$ 119,895	\$ 123,093	\$ 119,895	\$ 122,693	\$ 119,895	\$ 119,895	\$ 119,895
Outage Costs (Incremental)	-	29,750	-	25,200	-	34,800	-	25,200	-	25,200	-	25,200
Admin / General (A&G)	67,138	66,020	68,272	64,711	68,638	66,561	72,323	71,646	74,081	71,897	71,897	71,524
O&M Projects	9,058	49,966	14,263	39,777	9,828	44,174	12,907	41,931	11,261	43,752	43,752	43,752
Facilities O&M Projects	780	890	890	890	890	890	890	890	890	890	890	890
O&M Risk Reserve	1,588	3,336	1,532	2,694	1,294	2,694	1,242	2,694	1,123	2,694	2,694	2,694
Subtotal Direct & Indirect O&M Costs	\$ 204,017	\$ 268,307	\$ 206,090	\$ 251,067	\$ 200,643	\$ 269,014	\$ 210,455	\$ 262,256	\$ 210,048	\$ 264,328	\$ 238,755	\$ 238,755
Escalation on Direct & Indirect (3.5%)		9,391	14,679	27,295	29,599	50,490	48,248	71,328	66,545	95,924	98,033	98,033
Total Direct & Indirect O&M Costs (includes escalation)	\$ 204,017	\$ 277,698	\$ 220,769	\$ 278,362	\$ 230,242	\$ 319,504	\$ 258,703	\$ 333,584	\$ 276,593	\$ 360,252	\$ 336,788	\$ 336,788
Capital Costs												
PRC Capital Projects	\$ 54,246	\$ 55,420	\$ 34,443	\$ 53,095	\$ 29,517	\$ 48,982	\$ 24,807	\$ 27,625	\$ 16,450	\$ 27,318	\$ 33,889	\$ 33,889
Moveable Capital & Downtown Capital Projects	\$ 1,281	\$ 1,507	\$ 1,507	\$ 1,507	\$ 1,507	\$ 1,507	\$ 1,507	\$ 1,507	\$ 1,507	\$ 1,507	\$ 1,507	\$ 1,507
Facilities Capital Projects	\$ 500	\$ 530	\$ 535	\$ 565	\$ 565	\$ 565	\$ 565	\$ 565	\$ 565	\$ 565	\$ 565	\$ 565
Information Technology Capital Projects	\$ 9,276	\$ 8,235	\$ 9,996	\$ 8,288	\$ 10,206	\$ 9,286	\$ 10,550	\$ 9,887	\$ 9,595	\$ 9,701	\$ 9,771	\$ 9,771
Admin / General (A&G)	\$ 13,470	\$ 14,920	\$ 12,668	\$ 16,229	\$ 12,302	\$ 14,379	\$ 8,617	\$ 9,294	\$ 6,859	\$ 9,043	\$ 9,416	\$ 9,416
Capital Risk Reserve	\$ 4,000	\$ 8,000	\$ 4,000	\$ 6,000	\$ 4,000	\$ 6,000	\$ 4,000	\$ 4,110	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000
Fukushima Impacts	\$ 18,080	\$ 9,900	\$ 16,710	\$ 13,940								
Management Discretion-Special Projects**	\$ -	\$ 5,250	\$ 30,400	\$ 29,894	\$ 28,546	\$ 8,300	\$ 3,100	\$ 3,100	\$ 3,100	\$ 3,100	\$ 3,100	\$ 5,801
Subtotal Capital Costs	\$ 100,853	\$ 103,762	\$ 110,259	\$ 129,518	\$ 86,643	\$ 89,019	\$ 53,146	\$ 56,088	\$ 42,076	\$ 55,234	\$ 64,949	\$ 64,949
Escalation on Capital (3.5%)		\$ 3,632	\$ 7,853	\$ 14,081	\$ 12,782	\$ 16,708	\$ 11,760	\$ 14,848	\$ 12,905	\$ 19,619	\$ 26,668	\$ 26,668
Total Capital Costs (includes escalation)	\$ 100,853	\$ 107,394	\$ 118,112	\$ 143,599	\$ 99,425	\$ 105,727	\$ 64,906	\$ 70,936	\$ 54,981	\$ 74,853	\$ 91,617	\$ 91,617
Fuel Related Costs												
Nuclear Fuel Amortization	50,811	44,447	57,895	51,184	60,576	53,678	62,239	55,014	63,729	57,340	57,340	57,340
Spent Fuel Fee	8,768	7,594	8,956	7,901	8,932	7,899	8,918	7,867	8,894	7,989	7,989	7,989
Subtotal Fuel Related Costs	\$ 59,579	\$ 52,041	\$ 66,851	\$ 59,085	\$ 69,508	\$ 61,577	\$ 71,157	\$ 62,881	\$ 72,623	\$ 65,329	\$ 65,329	\$ 65,329
Total Unescalated Budget	\$ 364,449	\$ 424,110	\$ 383,200	\$ 439,670	\$ 356,794	\$ 419,610	\$ 334,758	\$ 381,225	\$ 324,747	\$ 384,891	\$ 369,033	\$ 369,033
Total Escalation		13,022	22,532	41,376	42,381	67,198	60,008	86,176	79,450	115,543	124,700	124,700
Total Cost - Industry Basis	\$ 364,449	\$ 437,132	\$ 405,732	\$ 481,046	\$ 399,175	\$ 486,808	\$ 394,766	\$ 467,401	\$ 404,197	\$ 500,434	\$ 493,733	\$ 493,733
Total Net Generation (Gwh)	9,468	8,291	9,799	8,701	9,772	8,299	9,799	8,701	9,772	8,701	9,799	9,799
Outage Days	-	47	-	40	-	55	-	40	-	40	-	40
Cost of Power (Cents per kWh, constant FY14\$)	\$ 3.85	\$ 5.12	\$ 3.91	\$ 5.05	\$ 3.65	\$ 5.06	\$ 3.42	\$ 4.38	\$ 3.32	\$ 4.42	\$ 3.77	\$ 3.77
Cost of Power (Cents per kWh, escalated)	\$ 3.85	\$ 5.27	\$ 4.14	\$ 5.53	\$ 4.08	\$ 5.87	\$ 4.03	\$ 5.37	\$ 4.14	\$ 5.75	\$ 5.04	\$ 5.04

Key Assumption/Qualifications

Escalation Rate = 3.5% starting FY 15

R24 Refuel Duration 55 Days due to N1/N2 Replacement

* Recover 30 MWe from Instrument Fouling beginning FY 16

** Includes Fukushima Filter Requirement Risk

Generation assumes 1% unplanned / 2.5% planned loss in FY 14. Beyond FY 14 assumption is 1% unplanned / 2% planned loss.