

Fiscal Year 2015 Columbia Generating Station Long Range Plan



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Item Description (Final FY 15 Bluebook w/ 15 NRC)	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	
	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	BPA Rate Period	
Direct and Indirect O&M Costs												
Baseline Costs	\$ 126,603	\$ 122,161	\$ 117,011	\$ 120,993	\$ 122,892	\$ 124,447	\$ 121,127	\$ 123,953	\$ 121,044	\$ 121,002	\$ 116,053	
Outage Costs (Incremental)	27,722	-	25,500	-	27,500	-	27,500	-	27,500	-	27,500	
Admin / General (A&G)	67,185	60,020	62,499	60,788	63,274	70,370	72,230	73,828	74,560	73,573	76,031	
O&M Projects	46,771	9,079	29,119	5,913	41,699	9,955	41,544	12,706	41,908	8,831	45,329	
Facilities O&M Projects	110	912	912	912	912	912	912	912	912	912	912	
O&M Risk Reserve	2,500	3,000	5,000	3,000	26,605	19,228	15,129	16,141	17,186	23,500	5,000	
Subtotal Direct & Indirect O&M Costs	\$ 270,891	\$ 195,172	\$ 240,041	\$ 191,606	\$ 282,882	\$ 224,912	\$ 278,442	\$ 227,540	\$ 283,110	\$ 227,818	\$ 270,825	
Escalation on Direct & Indirect (2.5%)		4,184	9,702	9,688	36,622	33,791	55,142	49,053	77,142	73,987	109,790	
Total Direct & Indirect O&M Costs (includes escalation)	\$ 270,891	\$ 199,356	\$ 249,743	\$ 201,294	\$ 319,504	\$ 258,703	\$ 333,584	\$ 276,593	\$ 360,252	\$ 301,805	\$ 380,615	
Capital Costs												
PRC Capital Projects	\$ 72,384	\$ 75,412	\$ 89,139	\$ 48,067	\$ 53,271	\$ 24,807	\$ 27,625	\$ 16,450	\$ 27,318	\$ 33,889	\$ 38,100	
Moveable Capital & Downtown Capital Projects	\$ 992	\$ 1,545	\$ 1,545	\$ 1,545	\$ 1,545	\$ 1,507	\$ 1,507	\$ 1,507	\$ 1,507	\$ 1,507	\$ 1,507	
Facilities Capital Projects	\$ 1,150	\$ 548	\$ 579	\$ 579	\$ 579	\$ 565	\$ 565	\$ 565	\$ 565	\$ 565	\$ 565	
Information Technology Capital Projects	\$ 8,577	\$ 10,392	\$ 8,609	\$ 10,615	\$ 9,677	\$ 10,981	\$ 10,287	\$ 9,964	\$ 10,101	\$ 10,803	\$ 10,803	
Admin / General (A&G)	\$ 13,855	\$ 16,325	\$ 17,384	\$ 16,604	\$ 16,161	\$ 8,617	\$ 9,294	\$ 6,859	\$ 9,043	\$ 9,416	\$ 10,000	
Capital Risk Reserve	\$ 442	\$ 3,279	\$ 6,504	\$ 1,556	\$ 1,850	\$ 9,890	\$ 9,088	\$ 6,607	\$ 10,200	\$ 11,379	\$ 11,000	
Fukushima Impacts	\$ 9,994	\$ 7,480	\$ 11,670	\$ 12,110	\$ 11,700							
Management Discretion-Special Projects**	\$ -	\$ 250	\$ 1,250	\$ 1,250	\$ 1,000	\$ 1,000	\$ 2,801	\$ 4,301	\$ 2,701	\$ 5,801	\$ -	
Subtotal Capital Costs	\$ 107,394	\$ 115,231	\$ 136,680	\$ 92,326	\$ 95,783	\$ 57,367	\$ 61,167	\$ 46,253	\$ 61,435	\$ 73,360	\$ 71,975	
Escalation on Capital (2.5%)		2,881	6,919	7,099	9,944	7,538	9,768	8,727	13,418	18,257	20,159	
Total Capital Costs (includes escalation)	\$ 107,394	\$ 118,112	\$ 143,599	\$ 99,425	\$ 105,727	\$ 64,905	\$ 70,935	\$ 54,980	\$ 74,853	\$ 91,617	\$ 92,134	
Fuel Related Costs												
Nuclear Fuel Amortization	44,326	58,212	51,631	61,621	54,740	63,431	56,337	65,207	58,976	67,117	60,745	
Spent Fuel Fee	7,594	8,956	7,901	8,932	7,899	8,918	7,867	8,894	7,989	8,894	7,989	
Subtotal Fuel Related Costs	\$ 51,920	\$ 67,168	\$ 59,532	\$ 70,553	\$ 62,639	\$ 72,349	\$ 64,204	\$ 74,101	\$ 66,965	\$ 76,011	\$ 68,734	
Total Unescalated Budget	\$ 430,205	\$ 377,571	\$ 436,253	\$ 354,485	\$ 441,304	\$ 354,628	\$ 403,813	\$ 347,894	\$ 411,510	\$ 377,189	\$ 411,534	
Total Escalation	-	7,064	16,622	16,787	46,566	41,329	64,909	57,780	90,560	92,244	129,950	
Total Cost - Industry Basis	\$ 430,205	\$ 384,635	\$ 452,875	\$ 371,272	\$ 487,870	\$ 395,957	\$ 468,722	\$ 405,674	\$ 502,070	\$ 469,433	\$ 541,484	
Total Net Generation (Gwh)	8,422	9,628	8,686	9,755	8,686	9,782	8,686	9,755	8,686	9,782	8,686	
Outage Days	42		40		40		40		40		40	
Cost of Power (Cents per kWh, constant FY14\$)	\$ 5.11	\$ 3.92	\$ 5.02	\$ 3.63	\$ 5.08	\$ 3.63	\$ 4.65	\$ 3.57	\$ 4.74	\$ 3.86	\$ 4.74	
Cost of Power (Cents per kWh, escalated)	\$ 5.11	\$ 3.99	\$ 5.21	\$ 3.81	\$ 5.62	\$ 4.05	\$ 5.40	\$ 4.16	\$ 5.78	\$ 4.80	\$ 6.23	

Key Assumption/Qualifications (Revision date 5/6/2014)

Escalation Rate = Labor 2.75% and Non-labor 0% in FY 15, 2.5% starting FY 16 - 18. Generation assumes 1% unplanned/ 2% planned loss.

* Recover 10 MWe from Instrument Fouling in FY 16, 18 MWe from Appendix K in FY 17 (FY 15 Net 1120, FY 16 Net 1130, FY 17 Net 1148)

** Includes Fukushima Filter Requirement Risk. Value Optimization Project has not been integrated for FY 19 and beyond.