

Western Area Power Administration
Boulder Canyon Project
FY 2024 Proposed Ratebase Power Repayment Study - Executive Summary

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Fiscal Year	O&M Expense	Payment to States	Other Expense	Uprating Interest Payment	Uprating Principal Payment	Replacements	Working Capital	Debt Service Interest Expense	Capitalized Deficit Interest Expense	Other Interest Expense	Total Interest Expense	Debt Service Principal Payment	Capitalized Deficit Principal Payment	Total Principal Payments	Total Expenses	Prior Year Carry-Over	Water Sales	Other Revenue	Base Charge	Energy Projection	Energy Dollars	Equivalent Energy Rate	Capacity Projection	Capacity Dollars	Equivalent Capacity Rate	Total Revenue	Net Operating Amount
											Columns(8+9+10)			Sum of Columns (1)+(8)+(9)+(10)+(11)+(14)							Col (19)*0.5 - Capacity Credit			Col (19)*0.5 - Capacity Credit		Sum of Columns (17, 18, 21, 24)	Column 26 Minus Column 15
Historical																											
2014	45,458,035	600,000	6,342,643	3,375,635	11,348,748	7,207,058		5,149,273		14,090	5,163,363	125,984,203		125,984,203	205,479,685	18,691,070	661,259	139,868,581	46,258,774	3,770,993	38,054,010	10.09	1,693,667	38,054,010	1.87	216,637,859	11,158,174
2015	58,017,873	600,000	7,306,122	2,827,588	12,007,899	7,558,159		593,239		23,270	616,509	2,123,637		2,123,637	91,057,787	30,965,794	677,492	16,934,301	42,480,200	3,747,208	30,504,259	8.14	1,581,750	30,504,259	1.61	78,620,311	(12,437,476)
2016	53,166,249	600,000	7,962,163	2,596,094	12,396,477	3,123,107		548,467		27,421	575,888	2,241,595		2,241,595	82,661,573	23,452,354	635,097	18,460,488	40,113,634	3,476,763	31,867,928	9.17	1,541,500	31,867,928	1.72	82,831,441	169,868
2017	52,016,586	600,000	8,204,563	198,927	5,035,084	6,047,715		460,284		28,549	488,833	1,686,528		1,686,528	74,278,235	23,817,193	578,390	17,662,786	32,219,867	3,547,892	34,831,145	9.82	1,534,000	34,831,145	1.89	87,903,465	13,625,229
2018	59,516,748	600,000	9,037,214			9,968,127	15,000,000	432,122		31,281	463,403	541,245		541,245	95,126,737	11,885,531	647,468	16,763,085	65,830,653	3,849,647	38,455,097	9.99	1,613,000	38,455,097	1.99	94,320,746	(805,991)
2019	66,391,187	600,000	12,482,671			11,811,795		408,657		31,684	440,341	557,482		557,482	92,283,476	9,361,400	616,559	15,116,096	67,189,421	3,686,659	34,870,829	9.46	1,545,833	34,870,829	1.88	85,474,312	(6,809,164)
2020	58,016,423	600,000	6,814,639			6,264,539		390,902		26,511	417,413	574,207		574,207	72,687,220	16,542,637	564,065	8,007,052	47,573,466	3,673,800	33,209,701	9.04	1,584,583	33,209,701	1.75	74,990,519	2,303,299
2021	53,308,184	600,000	6,646,006			4,660,679		372,456		31,351	403,807	591,433		591,433	66,210,109	21,554,983	685,130	5,318,913	38,651,082	3,615,770	32,721,731	9.05	1,611,083	32,721,731	1.69	71,447,505	5,237,396
2022	61,409,775	600,000	8,646,468			7,128,551		353,953		39,963	393,916	609,176		609,176	78,787,885	17,437,349	694,422	12,477,270	48,178,845	3,264,831	33,677,889	10.32	1,383,000	33,677,889	2.03	80,527,470	1,739,585
Forecast																											
2023	77,291,451	600,000	11,572,000			16,936,536		334,471		29,875	364,346	627,451		627,451	107,391,784	21,837,417	550,000	20,418,742	64,585,625	2,977,624	33,399,280	11.22	1,285,167	33,399,280	2.17	87,767,302	(19,624,482)
2024	70,035,504	600,000	12,300,000			8,089,000		331,274		32,157	363,431	646,275		646,275	92,034,209	2,212,935	550,000	20,436,989	68,834,285	2,888,088	34,417,142	11.92	1,192,467	34,417,142	2.41	89,821,273	
2025	75,055,230	600,000	12,670,000			7,520,000		311,885		32,157	344,042	665,663		665,663	96,854,935		550,000	20,436,989	75,867,946	2,764,479	37,933,973	13.72	2,074,000	37,933,973	1.52	96,854,935	
2026	78,920,568	600,000	13,051,000			6,802,000		291,916		32,157	324,073	685,633		685,633	100,383,273		550,000	20,436,989	79,396,284	2,594,148	39,698,142	15.30	2,074,000	39,698,142	1.60	100,383,273	
2027	80,981,622	600,000	13,442,000			7,686,000		271,347		32,157	303,504	706,202		706,202	103,719,327		550,000	20,436,989	82,732,338	2,480,902	41,366,169	16.67	2,074,000	41,366,169	1.66	103,719,327	
2028	81,921,503	600,000	13,845,000			5,775,000		250,161		32,157	282,318	727,388		727,388	103,151,208		550,000	20,436,989	82,164,219	2,518,497	41,082,110	16.31	2,074,000	41,082,110	1.65	103,151,208	
2029	77,530,323	600,000	14,260,000			3,000,000		228,339		32,157	260,496	749,209		749,209	96,400,029		550,000	20,436,989	75,413,040	2,543,989	37,706,520	14.82	2,074,000	37,706,520	1.52	96,400,029	
2030	76,458,197	600,000	14,688,000			9,050,000		205,863		32,157	238,020	771,686		771,686	101,805,902		550,000	20,436,989	80,818,913	2,644,495	40,409,457	15.28	2,074,000	40,409,457	1.62	101,805,902	
2031	76,536,241	600,000	15,128,000			10,975,000		182,712		32,157	214,869	794,836		794,836	104,248,946		550,000	20,436,989	83,261,957	2,690,042	41,630,979	15.48	2,074,000	41,630,979	1.67	104,248,946	
2032	80,019,576	600,000	15,582,000			16,375,000		158,867		32,157	191,024	818,681		818,681	113,586,281		550,000	20,436,989	92,599,292	2,721,605	46,299,646	17.01	2,074,000	46,299,646	1.86	113,586,281	
2033	80,473,325	600,000	16,050,000			15,975,000		134,307		32,157	166,464	843,242		843,242	114,108,030		550,000	20,436,989	93,121,040	2,750,780	46,560,521	16.93	2,074,000	46,560,521	1.87	114,108,030	
2034	80,473,324	600,000	16,050,000			15,975,000		109,009		32,157	141,166	868,539		868,539	114,108,029		550,000	20,436,989	93,121,040	4,501,001	46,560,520	10.34	2,074,000	46,560,520	1.87	114,108,029	
2035	80,473,324	600,000	16,050,000			15,975,000		82,953		32,157	115,110	894,595		894,595	114,108,029		550,000	20,436,989	93,121,040	4,501,001	46,560,520	10.34	2,074,000	46,560,520	1.87	114,108,029	
2036	80,473,324	600,000	16,050,000			15,975,000		56,115		32,157	88,272	921,433		921,433	114,108,029		550,000	20,436,989	93,121,040	4,501,001	46,560,520	10.34	2,074,000	46,560,520	1.87	114,108,029	
2037	80,473,324	600,000	16,050,000			15,975,000		28,472		32,157	60,629	949,076		949,076	114,108,029		550,000	20,436,989	93,121,040	4,501,001	46,560,520	10.34	2,074,000	46,560,520	1.87	114,108,029	
2038	80,473,324	600,000	16,050,000			15,975,000				32,157	32,157				113,130,481		550,000	20,436,989	92,143,492	4,501,001	46,071,746	10.24	2,074,000	46,071,746	1.85	113,130,481	
2039	80,473,324	600,000	16,050,000			15,975,000				32,157	32,157				113,130,481		550,000	20,436,989	92,143,492	4,501,001	46,071,746	10.24	2,074,000	46,071,746	1.85	113,130,481	
2040	80,473,324	600,000	16,050,000			15,975,000				32,157	32,157				113,130,481		550,000	20,436,989	92,143,492	4,501,001	46,071,746	10.24	2,074,000	46,071,746	1.85	113,130,481	
2041	80,473,324	600,000	16,050,000			15,975,000				32,157	32,157				113,130,481		550,000	20,436,989	92,143,492	4,501,001	46,071,746	10.24	2,074,000	46,071,746	1.85	113,130,481	
2042	80,473,324	600,000	16,050,000			15,975,000				32,157	32,157				113,130,481		550,000	20,436,989	92,143,492	4,501,001	46,071,746	10.24	2,074,000	46,071,746	1.85	113,130,481	
2043	80,473,324	600,000	16,050,000			15,975,000				32,157	32,157				113,130,481		550,000	20,436,989	92,143,492	4,501,001	46,071,746	10.24	2,074,000	46,071,746	1.85	113,130,481	
2044	80,473,324	600,000	16,050,000			15,975,000				32,157	32,157				113,130,481		550,000	20,436,989	92,143,492	4,501,001	46,071,746	10.24	2,074,000	46,071,746	1.85	113,130,481	
2045	80,473,324	600,000	16,050,000			15,975,000				32,157	32,157				113,130,481		550,000	20,436,989	92,143,492	4,501,001	46,071,746	10.24	2,074,000	46,071,746	1.85	113,130,481	
2046	80,473,324	600,000	16,050,000			15,975,000				32,157	32,157				113,130,481		550,000	20,436,989	92,143,492	4,501,001	46,071,746	10.24	2,074,000	46,071,746			