

Western Area Power Administration
 Boulder Canyon Project
 FY 2022 Final 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 Columns(8+9+10)	Debt Service Principal Payment	Capitalized Deficit Principal Payment	Total Principal Payments	Total Expenses Sum of Columns (1) thru (7) + Col. (11) + Col. (14)	Prior Year Carry-Over	Water Sales	Other Revenue	Base Charge	Energy Projection	Energy Dollars Col.(19)*0.5 + Capacity Credit	Equivalent Energy Rate	Capacity Projection	Capacity Dollars Col.(19)*0.5 - Capacity Credit	Equivalent Capacity Rate	Total Revenue Sum of Columns (17, 18, 21, 24)	Net Operating Amount Column 26 Minus Column 15
Historical																											
2011	42,689,343	600,000	7,613,259	5,231,995	9,926,799	5,024,202	-	10,949,281	-	10,641	10,959,922	1,960,285	-	1,960,285	84,005,806	4,119,778	699,847	17,033,527	62,152,654	3,810,978	37,591,261	9.86	1,645,000	37,591,261	1.90	92,915,896	8,910,090
2012	48,337,666	600,000	6,777,063	4,872,558	10,436,524	6,329,748	-	10,870,781	-	10,152	10,880,933	1,931,322	-	1,931,322	90,165,813	7,384,217	601,130	15,327,614	66,852,852	4,003,600	42,268,386	10.56	1,910,167	42,268,386	1.84	100,465,516	10,299,703
2013	46,002,923	600,000	7,498,685	3,962,636	11,058,222	10,386,694	-	11,179,372	-	10,188	11,189,560	1,910,139	-	1,910,139	92,608,859	13,062,333	599,094	15,051,641	63,895,792	3,871,041	41,189,819	10.64	1,752,417	41,189,819	1.96	98,030,372	5,421,513
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	76,428,124	600,000	10,019,953	-	28,441	-	-	372,456	-	28,441	400,897	591,433	-	591,433	99,169,857	21,554,983	550,000	14,276,078	65,443,462	3,615,770	32,721,731	9.05	1,611,083	32,721,731	1.69	80,269,540	(18,900,317)
Forecast																											
2022	67,785,998	600,000	11,082,000	-	-	10,436,500	-	368,372	-	29,089	397,461	609,176	-	609,176	90,911,135	2,654,667	550,000	20,350,689	67,355,778	3,264,831	33,677,889	10.32	1,383,000	33,677,889	2.03	88,256,467	-
2023	73,225,206	600,000	11,415,000	-	-	8,597,000	-	350,097	-	29,089	379,186	627,451	-	627,451	94,843,844	-	550,000	20,350,689	73,943,155	3,403,072	36,971,577	10.86	2,074,000	36,971,577	1.49	94,843,844	-
2024	75,890,455	600,000	11,758,000	-	-	8,239,000	-	331,274	-	29,089	360,363	646,275	-	646,275	97,494,093	-	550,000	20,350,689	76,593,404	3,403,074	38,296,702	11.25	2,074,000	38,296,702	1.54	97,494,093	-
2025	79,475,350	600,000	12,111,000	-	-	6,430,000	-	311,885	-	29,089	340,974	665,663	-	665,663	99,622,987	-	550,000	20,350,689	78,722,298	3,428,127	39,361,149	11.48	2,074,000	39,361,149	1.58	99,622,987	-
2026	81,767,999	600,000	12,474,000	-	-	7,002,000	-	291,916	-	29,089	321,005	685,633	-	685,633	102,850,636	-	550,000	20,350,689	81,949,947	3,434,229	40,974,973	11.93	2,074,000	40,974,973	1.65	102,850,636	-
2027	84,172,511	600,000	12,848,000	-	-	5,286,000	-	271,347	-	29,089	300,436	706,202	-	706,202	103,913,148	-	550,000	20,350,689	83,012,459	3,500,949	41,506,229	11.86	2,074,000	41,506,229	1.67	103,913,148	-
2028	84,339,000	600,000	13,234,000	-	-	4,625,000	-	250,161	-	29,089	279,250	727,388	-	727,388	103,804,637	-	550,000	20,350,689	82,903,948	3,565,733	41,451,974	11.63	2,074,000	41,451,974	1.67	103,804,637	-
2029	81,573,581	600,000	13,631,000	-	-	4,700,000	-	228,339	-	29,089	257,428	749,209	-	749,209	101,511,218	-	550,000	20,350,689	80,610,529	3,578,389	40,305,264	11.26	2,074,000	40,305,264	1.62	101,511,218	-
2030	80,286,372	600,000	14,040,000	-	-	8,035,000	-	205,863	-	29,089	234,952	771,686	-	771,686	103,968,009	-	550,000	20,350,689	83,067,320	3,607,550	41,533,660	11.51	2,074,000	41,533,660	1.67	103,968,009	-
2031	81,875,494	600,000	14,461,000	-	-	4,375,000	-	182,712	-	29,089	211,801	794,836	-	794,836	102,318,132	-	550,000	20,350,689	81,417,443	3,665,824	40,708,721	11.10	2,074,000	40,708,721	1.64	102,318,132	-
2032	81,875,494	600,000	14,461,000	-	-	4,375,000	-	158,867	-	29,089	187,956	818,681	-	818,681	102,318,132	-	550,000	20,350,689	81,417,443	4,501,001	40,708,721	9.04	2,074,000	40,708,721	1.64	102,318,132	-
2033	81,875,494	600,000	14,461,000	-	-	4,375,000	-	134,307	-	29,089	163,396	843,242	-	843,242	102,318,132	-	550,000	20,350,689	81,417,443	4,501,001	40,708,721	9.04	2,074,000	40,708,721	1.64	102,318,132	-
2034	81,875,494	600,000	14,461,000	-	-	4,375,000	-	109,009	-	29,089	138,098	868,539	-	868,539	102,318,132	-	550,000	20,350,689	81,417,443	4,501,001	40,708,721	9.04	2,074,000	40,708,721	1.64	102,318,132	-
2035	81,875,494	600,000	14,461,000	-	-	4,375,000	-	82,953	-	29,089	112,042	894,595	-	894,595	102,318,132	-	550,000	20,350,689	81,417,443	4,501,001	40,708,721	9.04	2,074,000	40,708,721	1.64	102,318,132	-
2036	81,875,494	600,000	14,461,000	-	-	4,375,000	-	56,115	-	29,089	85,204	921,433	-	921,433	102,318,132	-	550,000	20,350,689	81,417,443	4,501,001	40,708,721	9.04	2,074,000	40,708,721	1.64	102,318,132	-
2037	81,875,494	600,000	14,461,000	-	-	4,375,000	-	28,472	-	29,089	57,561	949,076	-	949,076	102,318,132	-	550,000	20,350,689	81,417,443	4,501,001	40,708,721	9.04	2,074,000	40,708,721	1.64	102,318,132	-
2037	81,875,494	600,000	14,461,000	-	-	4,375,000	-	28,472	-	29,089	57,561	949,076	-	949,076	102,318,131	-	550,000	20,350,689	81,417,443	4,501,001	40,708,722	9.04	2,074,000	40,708,722	1.64	102,318,132	-
2038	81,875,494	600,000	14,461,000	-	-	4,375,000	-	-	-	29,089	29,089	-	-	101,340,583	-	550,000	20,350,689	80,439,894	4,501,001	40,219,947	8.94	2,074,000	40,219,947	1.62	101,340,583	-	
2039	81,875,494	600,000	14,461,000	-	-	4,375,000	-	-	-	29,089	29,089	-	-	101,340,583	-	550,000	20,350,689	80,439,894	4,501,001	40,219,947	8.94	2,074,000	40,219,947	1.62	101,340,583	-	
2040	81,875,494	600,000	14,461,000	-	-	4,375,000	-	-	-	29,089	29,089	-	-	101,340,583	-	550,000	20,350,689	80,439,894	4,501,001	40,219,947	8.94	2,074,000	40,219,947	1.62	101,340,583	-	
2041	81,875,494	600,000	14,461,000	-	-	4,375,000	-	-	-	29,089	29,089	-	-	101,340,583	-	550,000	20,350,689	80,439,894	4,501,001	40,219,947	8.94	2,074,000	40,219,947	1.62	101,340,583	-	
2042	81,875,494	600,000	14,461,000	-	-	4,375,000	-	-	-	29,089	29,089	-	-	101,340,583	-	550,000	20,350,689	80,439,894	4,501,001	40,219,947	8.94	2,074,000	40,219,947	1.62	101,340,583	-	
2043	81,875,494	600,000	14,461,000	-																							