

**Western Area Power Administration**  
Boulder Canyon Project  
FY 2021 Ratebase Power Repayment Study - Executive Summary

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(10)	(11)	(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	Other Interest Expense	Total Interest Expense	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
Historical										Columns(8+9+10)		Sum of Columns (11) thru (15)+Col.(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	
2010	45,397,385	600,000	7,136,591	5,754,983	9,322,156	6,161,066	-	11,023,174	6,907	11,030,081	1,890,398	87,292,659	4,083,454	755,313	17,204,058	65,249,835	3,619,844	35,340,670	9.7630	1,677,000	35,340,670	1.7561	88,640,711	1,348,052
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	84,005,806	4,119,778	699,847	17,033,527	62,152,654	3,810,978	37,591,261	9.8639	1,645,000	37,591,261	1.9043	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	90,165,813	7,384,217	601,130	15,327,614	66,852,852	4,003,600	42,268,386	10.5576	1,910,167	42,268,386	1.8440	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	92,608,859	13,062,333	599,094	15,051,641	63,895,792	3,871,041	41,189,819	10.6405	1,752,417	41,189,819	1.9587	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	205,479,685	18,691,070	661,259	139,868,581	46,258,774	3,770,993	38,054,010	10.0912	1,693,667	38,054,010	1.8724	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	91,057,787	30,965,794	677,492	16,934,301	42,480,200	3,747,208	30,504,259	8.1405	1,581,750	30,504,259	1.6071	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	82,661,573	23,452,354	635,097	18,460,488	40,113,634	3,476,763	31,867,928	9.1660	1,541,500	31,867,928	1.7228	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	74,278,235	23,817,193	578,390	17,662,786	32,219,867	3,547,892	34,831,145	9.8174	1,534,000	34,831,145	1.8922	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	95,126,737	11,885,531	647,468	16,763,085	65,830,653	3,849,647	38,455,097	9.9893	1,613,000	38,455,097	1.9867	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	92,283,476	9,361,400	616,559	15,116,086	67,189,431	3,686,659	34,870,829	9.4587	1,545,833	34,870,829	1.8798	85,474,302	(6,809,174)
2020	77,503,358	600,000	9,787,000	-	-	6,536,409	-	390,902	24,922	415,824	574,207	95,416,798	16,542,627	550,000	16,211,292	62,112,879	3,673,800	33,209,701	9.0396	1,584,583	33,209,701	1.7465	83,180,694	(12,236,104)
<b>Forecast</b>																								
2021	65,609,585	600,000	9,570,000	-	-	7,790,500	-	386,115	28,441	414,556	591,433	84,576,074	4,306,524	550,000	14,276,078	65,443,472	3,663,593	32,721,736	8.9316	1,600,583	32,721,736	1.7036	80,269,550	-
2022	73,047,218	600,000	9,857,000	-	-	7,183,000	-	368,372	28,441	396,813	609,176	91,693,207	-	550,000	18,276,078	72,867,129	3,523,260	36,433,565	10.3409	2,074,000	36,433,565	1.4639	91,693,207	-
2023	73,244,703	600,000	10,154,000	-	-	8,747,000	-	350,097	28,441	378,538	627,451	93,751,692	-	550,000	18,276,078	74,925,614	3,555,074	37,462,807	10.5378	2,074,000	37,462,807	1.5053	93,751,692	-
2024	76,913,584	600,000	10,459,000	-	-	7,174,000	-	331,274	28,441	359,715	646,275	96,152,573	-	550,000	18,276,078	77,326,495	3,579,212	38,663,248	10.8022	2,074,000	38,663,248	1.5535	96,152,573	-
2025	81,823,172	600,000	10,773,000	-	-	6,640,000	-	311,885	28,441	340,326	665,663	100,842,161	-	550,000	18,276,078	82,016,083	3,574,642	41,008,042	11.4719	2,074,000	41,008,042	1.6477	100,842,161	-
2026	85,303,896	600,000	11,096,000	-	-	6,852,000	-	291,916	28,441	320,357	685,633	104,857,885	-	550,000	18,276,078	86,031,807	3,606,667	43,015,904	11.9268	2,074,000	43,015,904	1.7284	104,857,885	-
2027	88,010,793	600,000	11,429,000	-	-	5,136,000	-	271,347	28,441	299,788	706,202	106,181,782	-	550,000	18,276,078	87,355,704	3,654,945	43,677,852	11.9503	2,074,000	43,677,852	1.7550	106,181,782	-
2028	79,752,582	600,000	11,772,000	-	-	4,372,000	-	250,161	28,441	278,602	727,388	97,502,571	-	550,000	18,276,078	78,676,493	3,637,626	39,338,247	10.8143	2,074,000	39,338,247	1.5806	97,502,571	-
2029	85,569,394	600,000	12,126,000	-	-	4,700,000	-	228,339	28,441	256,780	749,209	104,001,383	-	550,000	18,276,078	85,175,305	3,638,755	42,587,653	11.7039	2,074,000	42,587,653	1.7112	104,001,383	-
2030	83,362,375	600,000	12,490,000	-	-	4,535,000	-	205,863	28,441	234,304	771,686	101,993,364	-	550,000	18,276,078	83,167,286	3,662,223	41,583,643	11.3548	2,074,000	41,583,643	1.6708	101,993,364	-
2031	83,362,375	600,000	12,490,000	-	-	4,535,000	-	182,712	28,441	211,153	794,836	101,993,364	-	550,000	18,276,078	83,167,286	4,501,001	41,583,643	9.2388	2,074,000	41,583,643	1.6708	101,993,364	-
2032	83,362,375	600,000	12,490,000	-	-	4,535,000	-	158,867	28,441	187,308	818,681	101,993,364	-	550,000	18,276,078	83,167,286	4,501,001	41,583,643	9.2388	2,074,000	41,583,643	1.6708	101,993,364	-
2033	83,362,375	600,000	12,490,000	-	-	4,535,000	-	134,307	28,441	162,748	843,242	101,993,364	-	550,000	18,276,078	83,167,286	4,501,001	41,583,643	9.2388	2,074,000	41,583,643	1.6708	101,993,364	-
2034	83,362,375	600,000	12,490,000	-	-	4,535,000	-	109,009	28,441	137,450	868,539	101,993,364	-	550,000	18,276,078	83,167,286	4,501,001	41,583,643	9.2388	2,074,000	41,583,643	1.6708	101,993,364	-
2035	83,362,375	600,000	12,490,000	-	-	4,535,000	-	82,953	28,441	111,394	894,595	101,993,364	-	550,000	18,276,078	83,167,286	4,501,001	41,583,643	9.2388	2,074,000	41,583,643	1.6708	101,993,364	-
2036	83,362,375	600,000	12,490,000	-	-	4,535,000	-	56,115	28,441	84,556	921,433	101,993,364	-	550,000	18,276,078	83,167,286	4,501,001	41,583,643	9.2388	2,074,000	41,583,643	1.6708	101,993,364	-
2037	83,362,375	600,000	12,490,000	-	-	4,535,000	-	28,472	28,441	56,913	949,076	101,993,364	-	550,000	18,276,078	83,167,286	4,501,001	41,583,643	9.2388	2,074,000	41,583,643	1.6708	101,993,364	-
2038	83,362,375	600,000	12,490,000	-	-	4,535,000	-	-	28,441	28,441	-	101,015,816	-	550,000	18,276,078	82,189,738	4,501,001	41,094,869	9.1302	2,074,000	41,094,869	1.6512	101,015,816	-
2039	83,362,375	600,000	12,490,000	-	-	4,535,000	-	-	28,441	28,441	-	101,015,816	-	550,000	18,276,078	82,189,738	4,501,001	41,094,869	9.1302	2,074,000	41,094,869	1.6512	101,015,816	-
2040	83,362,375	600,000	12,490,000	-	-	4,535,000	-	-	28,441	28,441	-	101,015,816	-	550,000	18,276,078	82,189,738	4,501,001	41,094,869	9.1302	2,074,000	41,094,869	1.6512	101,015,816	-
2041	83,362,375	600,000	12,490,000	-	-	4,535,000	-	-	28,441	28,441	-	101,015,816	-	550,000	18,276,078	82,189,738	4,501,001	41,094,869	9.1302	2,074,000	41,094,869	1.6512	101,015,816	-
2042	83,362,375	600,000	12,490,000	-	-	4,535,000	-	-	28,441	28,441	-	101,015,816	-	550,000	18,276,078	82,189,738	4,501,001	41,094,869	9.1302	2,074,000	41,094,869	1.6512	101,015,816	-
2043	83,362,375	600,000	12,490,000	-	-	4,535,000	-	-	28,441	28,441	-	101,015,816	-	550,000	18,276,078	82,189,738	4,501,001	41,094,869	9.1302	2,074,000	41,094,869	1.6512	101,015,816	-
2044	83,362,375	600,000	12,490,000	-	-	4,535,000	-	-	28,441	28,441	-	101,015,816	-	550,000	18,276,078	82,189,738	4,501,001	41,094,869	9.1302	2,074,000	41,094,869	1.6512	101,015,816	-
2045	83,362,375	600,000	12,490,000	-	-	4,535,000	-	-	28,441	28,441	-	101,015,816	-	550,000	18,276,078	82,189,738	4,501,001	41,094,869	9.1302	2,074,000	41,094,869	1.6512	101,015,816	-
2046	83,362,375	600,000	12,490,000	-	-	4,535,000	-	-	28,441	28,441	-	101,015,816	-	550,000	18,276,078	82,189,738	4,501,001	41,094,869	9.1302	2,074,000	41,094,869	1.6512	101,015,816	-
2047	83,362,375	600,000	12,490,000	-	-	4,535,000	-	-	28,441	28,441	-	101,015,816	-	550,000	18,276,078	82,189,738	4,501,001	41,094,869	9.1302	2,074,000	41,094,869	1.6512	101,015,816	-