

**Western Area Power Administration**  
**Boulder Canyon Project**  
**FY 2024 Final Power Repayment Study - Executive Summary**

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
											Column (8+9+10)				Sum of Columns (1) thru (7) + Col. (11) - 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		
Historical																											
2015	58,017,873	600,000	7,306,122	2,837,588	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		8.14	1,581,750	30,504,759	1.61	78,202,311	(11,437,470)
2016	53,166,249	600,000	7,962,163	2,946,094	12,196,477	8,123,107		548,463			27,421	575,884	2,241,595	2,241,595	82,661,573	23,452,254	635,997	18,466,488	40,113,634	3,476,763		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	74,778,235	33,817,193	578,590	17,662,786	32,319,867	3,547,892		9.82	1,534,000	34,831,145	1.89	87,903,465	13,625,220
2018	59,516,748	600,000	9,037,214			9,968,127	15,000,000				31,281	463,403	541,245	541,245	95,126,737	11,885,531	647,468	16,763,083	65,830,653	3,849,647		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	3,686,599		9.46	1,545,833	34,870,829	1.88	85,474,312	(6,809,160)
2020	58,016,423	600,000	6,814,639			6,264,539		390,902			26,511	417,413	534,207	534,207	72,687,220	16,542,637	564,065	8,007,052	47,373,664	3,673,800		9.04	1,544,583	33,209,701	1.75	74,900,519	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	38,651,682	3,615,770		9.05	1,611,683	32,721,731	1.69	71,447,605	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		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		10.69	1,385,167	33,399,280	2.17	87,767,302	(19,624,483)
2024	70,985,504	600,000	12,300,000			12,639,000		331,274			32,157	363,431	646,275	646,275	97,534,209	2,212,935	550,000	20,436,989	74,334,285	3,217,907		11.55	1,441,917	37,167,143	2.15	95,321,275	
2025	75,055,230	600,000	12,670,000			12,670,000		311,885			32,157	344,042	665,663	665,663	106,854,935		550,000	20,436,989	75,867,546	2,764,479		13.72	2,074,000	37,933,973	1.52	96,854,935	
2026	78,920,568	600,000	13,051,000			13,051,000		291,916			32,157	324,073	685,633	685,633	116,883,773		550,000	20,436,989	79,398,254	2,594,148		15.50	2,074,000	39,698,142	1.60	100,383,773	
2027	80,981,622	600,000	13,442,000			13,442,000		271,347			32,157	303,504	706,202	706,202	127,319,327		550,000	20,436,989	82,732,338	2,480,902		16.67	2,074,000	41,366,169	1.66	103,719,327	
2028	81,921,503	600,000	13,845,000			13,845,000		250,161			32,157	282,318	727,388	727,388	138,151,208		550,000	20,436,989	82,164,219	2,518,497		16.51	2,074,000	41,082,110	1.65	103,151,208	
2029	77,530,323	600,000	14,260,000			14,260,000		228,338			32,157	260,496	749,209	749,209	149,900,029		550,000	20,436,989	75,413,040	2,542,989		14.82	2,074,000	37,706,520	1.52	96,400,029	
2030	76,458,197	600,000	14,688,000			14,688,000		205,863			32,157	238,020	771,686	771,686	161,678,902		550,000	20,436,989	80,818,913	2,644,495		15.28	2,074,000	40,409,457	1.62	101,808,902	
2031	76,536,241	600,000	15,128,000			15,128,000		182,712			32,157	214,869	794,836	794,836	174,484,946		550,000	20,436,989	83,261,957	2,690,042		15.48	2,074,000	41,630,979	1.67	104,248,946	
2032	80,019,576	600,000	15,582,000			15,582,000		158,867			32,157	191,024	818,681	818,681	188,586,281		550,000	20,436,989	92,599,292	2,721,605		17.01	2,074,000	46,299,646	1.86	113,586,281	
2033	80,473,325	600,000	16,050,000			16,050,000		134,307			32,157	166,464	843,242	843,242	199,489,523		550,000	20,436,989	93,121,041	2,758,780		16.93	2,074,000	46,560,521	1.87	114,108,029	
2034	80,473,324	600,000	16,050,000			16,050,000		109,009			32,157	141,166	868,539	868,539	205,358,062		550,000	20,436,989	93,121,040	4,501,001		10.34	2,074,000	46,560,520	1.87	114,108,029	
2035	80,473,324	600,000	16,050,000			16,050,000		82,953			32,157	115,110	894,595	894,595	211,252,657		550,000	20,436,989	93,121,040	4,501,001		10.34	2,074,000	46,560,520	1.87	114,108,029	
2036	80,473,324	600,000	16,050,000			16,050,000		56,115			32,157	89,272	911,433	911,433	216,164,090		550,000	20,436,989	93,121,040	4,501,001		10.34	2,074,000	46,560,520	1.87	114,108,029	
2037	80,473,324	600,000	16,050,000			16,050,000		28,472			32,157	60,629	949,076	949,076	216,114,014		550,000	20,436,989	93,121,040	4,501,001		10.34	2,074,000	46,560,520	1.87	114,108,029	
2038	80,473,324	600,000	16,050,000			16,050,000					32,157	32,157	981,233	981,233	216,114,014		550,000	20,436,989	92,143,492	4,501,001		10.24	2,074,000	46,071,746	1.85	113,130,481	
2039	80,473,324	600,000	16,050,000			16,050,000					32,157	32,157	1,013,390	1,013,390	216,114,014		550,000	20,436,989	92,143,492	4,501,001		10.24	2,074,000	46,071,746	1.85	113,130,481	
2040	80,473,324	600,000	16,050,000			16,050,000					32,157	32,157	1,045,547	1,045,547	216,114,014		550,000	20,436,989	92,143,492	4,501,001		10.24	2,074,000	46,071,746	1.85	113,130,481	
2041	80,473,324	600,000	16,050,000			16,050,000					32,157	32,157	1,077,704	1,077,704	216,114,014		550,000	20,436,989	92,143,492	4,501,001		10.24	2,074,000	46,071,746	1.85	113,130,481	
2042	80,473,324	600,000	16,050,000			16,050,000					32,157	32,157	1,110,861	1,110,861	216,114,014		550,000	20,436,989	92,143,492	4,501,001		10.24	2,074,000	46,071,746	1.85	113,130,481	
2043	80,473,324	600,000	16,050,000			16,050,000					32,157	32,157	1,144,018	1,144,018	216,114,014		550,000	20,436,989	92,143,492	4,501,001		10.24	2,074,000	46,071,746	1.85	113,130,481	
2044	80,473,324	600,000	16,050,000			16,050,000					32,157	32,157	1,177,175	1,177,175	216,114,014		550,000	20,436,989	92,143,492	4,501,001		10.24	2,074,000	46,071,746	1.85	113,130,481	
2045	80,473,324	600,000	16,050,000			16,050,000					32,157	32,157	1,210,332	1,210,332	216,114,014		550,000	20,436,989	92,143,492	4,501,001		10.24	2,074,000	46,071,746	1.85	113,130,481	
2046	80,473,324	600,000	16,050,000			16,050,000					32,157	32,157	1,243,489	1,243,489	216,114,014		550,000	20,436,989	92,143,492	4,501,001		10.24	2,074,000	46,071,746	1.85	113,130,481	
2047	80,473,324	600,000	16,050,000			16,050,000					32,157	32,157	1,276,646	1,276,646	216,114,014		550,000	20,436,989	92,143,492	4,501,001		10.24	2,074,000	46,071,746	1.85	113,130,481	

\*Some historical columns and rows are compressed for space.

**Column headers include the following:**

- Column 1 - Operation and Maintenance (O&M) Expense
  - i. Bureau of Reclamation (Reclamation) O&M, Administrative & General Expenses, Extraordinary Maintenance and post-retirement benefit (PRB) expenses
  - ii. Western Area Power Administration (WAPA) Facility expenses, Systemwide expenses, replacements and PRB expenses
- Column 3 - Other Expense: Reclamation Hoover Dam Visitor Services expenses
- Column 6 - Replacements: Reclamation Replacements expenses
- Column 8 - Debt Service Interest Expense: Reclamation Interest on Investment for Flood Control
- Column 10 - Other Interest Expense: WAPA interest for Capital Movable Equipment and Warehouse
- Column 14 - Total Principal Payment: Reclamation Principle Payment for Flood Control
- Column 18 - Other Revenue:
  - i. Reclamation Hoover Dam Visitor Services revenue
  - ii. WAPA non-power revenue including Ancillary Services

