

**Western Area Power Administration
Parker-Davis Project
Power Repayment Study for Fiscal Year 2022 Charges**

Year	Revenue			Expenses				PYA	Rev After Annual Exp	Total Principal Payment	Incr Change to Carryover	Cum Carryover	Capitalized Deficits					
	Total Rev	O&M Expense	Purchased Power Exp	Other Expense	Interest Exp	Total Exp	Principal Pmt						Unpaid Bal	AUFI	CFI Bal	IFI		
1943	438,272	56,595	0	237,092	242,465	536,152	34,124	(132,004)	(59,567)	0	0	0	0	0	0	0	0	
1944	2,018,279	276,100	158,629	490,287	244,252	1,169,268	328	848,683	883,136	0	0	0	0	0	0	0	0	
1945	2,039,093	293,197	39,936	490,160	225,479	1,048,772	208	990,113	990,649	0	0	0	0	0	0	0	0	
1996	30,672,693	21,539,162	277,426	153,855	8,224,697	30,195,140	0	477,553	477,553	0	(0)	477,553	2,960,124	7,956,907	7,956,907	0	0	
1997	37,209,769	19,052,880	177,778	153,855	12,072,066	31,456,579	0	5,753,190	2,960,124	2,793,066	2,793,066	2,960,124	7,956,907	7,956,907	7,956,907	0	0	
1998	30,930,885	19,284,517	581,769	1,345,226	11,777,599	32,989,111	0	(2,058,226)	506,876	(2,565,102)	227,964	0	7,956,907	7,956,907	7,956,907	0	0	
1999	37,476,820	19,359,015	104,931	292,646	12,007,179	31,763,771	0	5,713,049	636,572	5,076,478	5,304,441	0	7,956,907	7,956,907	7,956,907	0	0	
2000	40,262,024	19,639,343	244,946	814,196	12,431,534	33,130,019	0	7,132,005	3,027,547	4,104,458	9,408,899	0	7,956,907	7,956,907	7,956,907	0	0	
2001	44,245,433	19,317,486	548,639	997,529	12,667,221	33,530,874	0	10,714,559	1,679,247	9,035,312	18,444,211	0	7,956,907	7,956,907	7,956,907	0	0	
2002	41,640,841	22,801,697	255,325	1,130,433	13,989,667	38,177,123	0	3,463,718	2,602,030	861,687	19,305,898	0	6,750,736	7,956,907	7,956,907	0	0	
2003	48,086,660	23,950,851	2,346,948	1,461,638	14,575,955	42,335,392	0	5,751,267	3,257,639	2,493,628	21,799,527	0	7,956,907	7,956,907	7,956,907	0	0	
2004	51,746,896	26,149,241	3,447,691	1,567,270	14,941,902	46,106,104	0	5,640,792	1,475,966	4,164,826	25,964,353	0	7,956,907	7,956,907	7,956,907	0	0	
2005	50,933,486	26,223,595	8,639,471	1,673,277	14,652,379	51,188,722	0	(255,236)	1,614,578	(1,869,814)	24,094,540	0	7,956,907	7,956,907	7,956,907	0	0	
2006	54,278,690	25,526,225	1,332,541	1,495,277	8,181,217	36,535,260	0	17,743,430	4,880,086	12,863,346	36,957,885	0	7,956,907	7,956,907	7,956,907	0	0	
2007	52,952,268	28,640,650	307,658	1,511,326	14,641,946	45,101,580	0	7,850,688	1,970,610	5,880,078	42,837,963	0	7,956,907	7,956,907	7,956,907	0	0	
2008	54,336,144	31,147,713	(8,808,629)	1,491,643	15,086,589	38,917,317	0	15,418,827	6,992,338	8,426,489	51,264,452	0	7,956,907	7,956,907	7,956,907	0	0	
2009	55,009,495	32,851,844	5,478,413	1,561,133	16,503,716	56,395,105	0	(1,385,610)	1,452,174	(2,837,784)	48,426,668	0	7,956,907	7,956,907	7,956,907	0	0	
2010	54,331,519	30,988,957	4,318,775	1,641,969	15,376,845	52,326,546	0	2,004,973	5,142,222	(3,137,249)	45,289,419	0	7,956,907	7,956,907	7,956,907	0	0	
2011	47,087,339	35,416,678	2,632,196	(5,674,097)	16,071,407	48,446,184	0	(1,358,845)	7,700,260	(9,059,105)	36,230,314	0	7,956,907	7,956,907	7,956,907	0	0	
2012	57,858,831	39,496,793	3,698,285	955,929	19,484,097	63,334,754	0	(5,475,233)	4,613,729	(10,089,652)	26,140,662	0	7,956,907	7,956,907	7,956,907	0	0	
2013	61,976,848	36,348,377	5,808,956	776,973	19,810	43,133,116	0	18,843,732	4,582,894	14,260,838	40,401,500	0	7,956,907	7,956,907	7,956,907	0	0	
2014	66,897,267	40,179,063	4,698,836	1,033,403	20,724,036	66,635,338	0	2,033,929	5,984,765	(5,722,838)	34,678,665	0	7,956,907	7,956,907	7,956,907	0	0	
2015	63,674,609	39,319,908	6,800,756	754,623	21,711,842	68,647,129	0	(4,972,520)	8,874,586	(13,847,106)	20,831,559	0	7,956,907	7,956,907	7,956,907	0	0	
2016	65,567,903	43,499,935	4,294,565	542,935	10,466,670	58,484,143	0	7,083,760	(582,960)	7,666,720	28,498,279	0	7,956,907	7,956,907	7,956,907	0	0	
2017	69,179,663	48,706,972	10,210,562	359,516	22,362,310	81,639,360	0	(12,459,698)	6,930,773	(19,390,471)	9,107,808	0	7,956,907	7,956,907	7,956,907	0	0	
2018	68,392,713	47,985,394	12,115,221	911,545	23,076,380	84,088,540	2,440,182	(13,255,644)	5,379,639	(9,107,808)	0	9,527,475	9,527,475	17,484,382	9,527,475	9,527,475		
2019	72,896,968	42,596,473	10,683,691	1,073,011	23,676,072	78,029,247	1,421,189	(3,711,090)	0	0	0	13,238,565	13,238,565	21,195,472	3,711,090	3,711,090		
2020	81,006,669	45,893,963	18,762,213	724,329	24,689,187	90,069,690	(7,045,664)	(16,108,686)	447,637	0	0	323,291	29,471,596	29,794,888	37,751,795	16,536,323		
Subtotal Hist	2,002,539,450	1,109,692,197	120,659,013	50,049,874	482,003,246	1,762,404,329	6,417,743	227,348,792	296,346,978	0	0	8,280,198	0	0	0	0	37,751,795	
Subtotal PYA	6,987,012	3,742,419	1,178,628	(21,340,946)	2,127,551	(14,292,348)	(9,744,498)	34,065,688	7,615,883	0	0	0	0	0	0	0	0	
HISTORICAL S	2,009,526,462	1,113,434,616	121,837,642	28,708,928	484,130,797	1,748,111,982	(3,326,755)	261,414,480	303,962,861	0	0	8,280,198	0	0	0	0	37,751,795	
2021	79,449,036	50,324,131	12,000,000	(494,049)	25,972,864	87,802,946	0	(8,353,910)	636,711	0	0	490,500	37,971,716	38,785,508	46,742,415	8,990,620	0	
2022	85,667,051	49,660,929	10,500,000	(813,716)	26,207,970	85,555,183	0	111,867	212,986	(101,119)	(101,119)	0	37,971,716	38,785,508	46,742,415	0	0	
2023	92,258,328	53,980,703	10,500,000	(803,025)	27,081,143	90,758,821	0	1,499,508	1,584,734	(85,226)	(186,345)	1,350,830	36,620,887	38,785,508	46,742,415	0	0	
2024	94,487,790	54,495,884	10,500,000	(724,895)	28,504,301	92,775,290	0	1,712,500	1,635,329	77,171	(109,174)	1,391,355	35,229,532	38,785,508	46,742,415	0	0	
2025	96,376,407	55,601,887	10,500,000	(636,532)	29,164,082	94,629,437	0	1,746,970	1,684,649	62,321	(46,853)	1,433,095	33,796,437	38,785,508	46,742,415	0	0	
2026	98,598,824	56,987,031	10,500,000	(640,971)	29,967,497	96,813,557	0	1,785,267	1,738,414	46,852	(0)	1,476,088	32,320,349	38,785,508	46,742,415	0	0	
2027	98,406,664	58,347,638	7,160,810	(655,949)	30,518,059	95,370,558	0	3,036,106	3,036,105	0	0	2,759,729	29,560,620	38,785,508	46,742,415	0	0	
2028	98,406,664	60,018,536	7,160,810	(655,949)	31,594,122	98,117,519	0	289,144	8,094,296	0	0	7,809,108	29,556,663	37,063,184	54,547,567	7,805,152	0	
2029	98,406,664	61,319,063	7,160,810	(655,949)	34,090,833	101,914,757	0	(3,508,093)	3,533,139	(0)	(0)	3,238,752	33,359,142	40,393,326	61,588,798	7,041,231	0	
2030	98,406,664	63,353,061	7,160,810	(655,949)	35,711,831	105,569,753	0	(7,163,089)	11,065,487	(0)	(0)	10,761,498	40,826,221	42,065,580	79,817,374	18,228,576	0	
2031	98,406,664	64,261,878	7,160,810	(655,949)	37,340,331	108,107,070	0	(9,700,407)	8,065,280	0	0	7,751,262	50,840,646	50,840,646	97,583,061	17,655,686	0	
2032	98,406,664	64,261,878	7,160,810	0	38,912,030	110,334,718	0	(11,928,054)	324,496	0	0	0	63,093,196	63,093,196	109,835,610	12,252,550	0	
2033	98,406,664	64,261,878	7,160,810	0	39,109,587	110,532,275	0	(12,125,611)	3,003,209	(0)	(0)	0	78,222,015	78,222,015	124,964,430	15,128,820	0	
2034	98,406,664	64,261,878	7,160,810	0	39,318,575	110,741,263	0	(12,334,600)	4,330,672	0	0	0	94,887,287	94,887,287	141,629,702	16,665,271	0	
2060	98,406,664	64,261,878	7,160,810	0	40,709,043	112,131,731	0	(13,725,067)	62,755,579	0	(0)	0	47,849,186	754,321,729	754,321,729	1,478,044,028	76,480,646	0
2061	98,406,664	64,261,878	7,160,810	0	41,595,320	113,018,008	0	(14,611,344)	113,341,110	0	0	67,846,075	814,428,108	814,428,108	1,605,996,483	127,952,454	0	
2062	98,406,664	64,261,878	7,160,810	0	41,156,434	112,579,122	0	(14,172,458)	105,205,029	(0)	(0)	65,400,873	868,404,723	868,404,723	1,725,373,969	119,377,487	0	
2063	98,406,664	64,261,878	7,160,810	0	41,519,230	112,941,918	0	(14,535,254)	149,218,934	(0)	(0)	93,239,491	938,919,420	938,919,420	1,889,128,158	163,754,188	0	
2064	98,406,664	64,261,878	7,160,810	0	41,874,913	113,297,601	0	(14,890,937)	136,060,296	(0)	(0)	99,873,421	999,897,232	999,897,232	2,040,079,390	150,951,233	0	
2065	98,406,664	64,261,878	7,160,810	0	41,948,185	113,370,873	0	(14,964,209)	92,645,383	0	0	55,601,523	1,051,905,302	1,051,905,302	2,147,688,983	107,609,592	0	
2066	98,406,664	64,261,878	7,160,810	0	42,269,478	113,692,166	0	(15,285,503)	156,268,453	(0)	(0)	107,994,140	1,115,465,117	1,115,465,117	2,319,242,938	171,553,956	0	
2067	98,406,664	64,261,878	7,160,810	0	43,087,130	114,509,818	0	(16,103,154)	110,432,427	(0)	(0)	60,560,895	1,181,439,803	1,181,439,803	2,445,778,520	126,535,581	0	
2068	98,406,664	64,261,878	7,160,810	0	43,502,759	114,925,447	0	(16,518,783)	144,807,609	(0)	(0)	65,092,569	1,277,673,626	1,277,673,626	2,607,104,912	161,326,392	0	
2069	70,076,769	64,261,878	7,160,810	0	43,857,369	115,280,057	0	(45,203,288)	111,04									

**Western Area Power Administration
Parker-Davis Project
Power Repayment Study for Fiscal Year 2022 Charges**

Year	Replacements					Original Project and Additions					Aid To Irrigation				
	Principal Pmt	Unpaid Bal	AUFI	CFI Bal	IFI	Principal Pmt	Unpaid Bal	AUFI	CFI Bal	IFI	Principal Pmt	Unpaid Bal	AUFI	CFI Bal	IFI
1943	0	0	0	0	0	(59,567)	8,141,743	8,082,176	8,082,176	8,082,176	0	0	0	0	0
1944	0	0	0	0	0	883,136	7,515,983	8,339,552	8,339,552	257,376	0	698,564	698,564	698,564	698,564
1945	0	0	0	0	0	990,649	6,907,382	8,721,600	8,721,600	382,048	0	700,475	700,475	700,475	1,911
1996	0	37,740,172	63,692,026	63,692,026	20,828,846	0	81,299,829	236,417,192	245,420,877	3,674,308	0	0	26,060,007	26,769,876	0
1997	0	43,856,455	69,808,309	69,808,309	6,116,283	0	91,367,734	242,940,496	255,488,782	10,067,905	0	0	26,060,813	26,769,876	0
1998	0	48,548,992	74,500,846	74,500,846	4,692,537	506,876	91,345,634	241,906,480	255,973,558	484,776	0	0	25,674,853	26,769,876	0
1999	159,865	50,072,258	76,183,977	76,183,977	1,683,131	471,309	95,850,800	246,094,338	260,950,034	4,976,475	5,398	90,691	25,683,261	26,865,965	96,089
2000	2,068,095	53,150,168	81,303,251	81,329,982	5,146,005	561,885	96,750,852	244,475,173	262,411,970	1,461,937	397,567	399,728	26,136,326	27,572,568	706,603
2001	755,532	63,577,525	90,517,238	92,512,871	11,182,889	771,155	103,417,223	179,265,021	269,849,496	7,437,526	152,559	3,974,169	19,237,250	31,299,569	3,727,001
2002	1,749,041	75,041,020	102,974,241	105,725,407	13,212,536	586,211	102,871,746	176,538,930	269,890,230	40,734	266,779	5,751,690	10,069,192	33,343,869	2,044,300
2003	2,918,957	81,512,941	111,043,927	115,116,284	9,390,877	0	104,155,347	173,493,768	271,173,831	1,283,601	338,682	6,454,588	9,372,215	34,385,449	1,041,580
2004	1,475,966	82,602,443	111,932,112	117,681,752	2,565,468	0	109,508,821	175,692,677	276,527,306	5,553,474	0	6,403,711	9,654,857	34,334,572	(50,877)
2005	1,612,974	83,200,189	108,122,384	119,892,472	2,210,721	0	112,607,432	176,829,291	279,625,917	3,098,611	1,604	6,403,711	9,457,818	34,336,176	1,604
2006	984,208	105,376,532	131,067,664	143,053,023	23,160,551	1,895,462	110,973,975	175,134,104	279,897,822	262,005	2,000,414	1,909,182	8,369,594	31,842,061	(2,494,115)
2007	(432,078)	109,215,396	129,859,296	146,459,810	3,406,787	2,382,190	109,017,573	175,782,568	280,313,709	425,787	20,498	1,432,885	7,359,507	31,387,262	(454,798)
2008	5,776,781	117,672,500	142,502,113	160,693,694	14,233,884	1,215,557	108,816,230	176,497,922	281,327,923	1,014,214	0	1,433,885	7,414,408	31,387,262	0
2009	1,249,080	117,653,869	138,517,300	161,924,143	1,230,449	203,094	116,866,301	184,758,203	289,581,088	8,253,165	0	5,501,719	11,461,310	35,455,097	4,067,835
2010	5,022,573	117,740,576	142,832,798	167,033,423	5,109,280	0	119,958,658	187,852,427	292,673,445	3,092,357	119,649	5,501,719	11,686,692	35,574,746	119,649
2011	7,005,734	128,567,004	157,647,888	184,865,585	17,832,162	0	175,014,611	242,513,474	347,729,398	55,055,953	694,526	5,690,087	12,452,520	36,457,640	882,894
2012	4,424,490	141,059,733	170,269,374	201,782,804	16,917,219	0	180,592,773	251,552,162	353,807,560	5,578,162	189,239	7,234,861	9,637,280	38,191,652	1,734,013
2013	4,561,605	161,421,044	198,892,111	226,725,720	24,942,916	0	184,724,156	255,545,200	357,438,944	4,131,384	1,289	7,502,542	9,708,893	38,460,623	268,970
2014	5,741,036	177,913,623	218,952,516	248,959,335	22,233,615	0	206,992,527	277,788,715	379,707,315	22,268,371	243,729	9,846,760	12,290,313	41,048,569	2,587,947
2015	8,425,099	180,645,855	226,233,896	260,116,666	11,157,331	0	219,058,599	288,786,092	391,773,387	12,066,072	449,487	8,858,224	12,511,095	41,509,521	460,951
2016	(533,465)	187,768,646	227,805,993	266,705,993	6,589,327	51,228	210,594,118	279,205,393	383,308,905	(8,464,481)	(49,495)	23,263,870	25,462,455	54,865,672	13,356,151
2017	6,441,321	191,280,134	236,703,671	276,658,802	9,952,809	51,228	222,196,397	290,412,632	394,962,412	11,653,507	438,224	20,535,741	23,157,698	52,575,767	(2,289,905)
2018	4,810,984	195,114,422	276,223,310	285,304,074	8,652,348	0	223,046,073	294,120,152	395,812,088	849,676	568,655	24,390,172	37,963,829	56,998,853	1,502,444
2019	0	215,245,547	296,014,037	305,435,199	20,131,125	0	222,829,319	292,463,449	395,595,335	(216,754)	0	26,431,411	39,988,207	59,040,091	2,042,668
2020	107,524	228,692,222	309,568,236	318,989,397	13,554,199	0	232,675,797	298,885,380	405,441,812	9,846,477	16,822	28,893,176	41,939,263	61,518,678	2,478,586
Subtotal Hist	90,297,176	228,692,222	309,568,236	318,989,397	318,996,473	165,144,100	1,726,615	172,766,015	405,441,812	405,441,812	32,625,502	0	0	0	58,599,464
Subtotal PYA	0	0	0	0	(7,076)	7,621,915	0	0	0	0	0	0	0	0	2,919,213
HISTORICAL \$	90,297,176				318,989,397	172,766,015			405,441,812	405,441,812	32,625,502				61,518,678
2021	127,920	230,001,078	309,866,744	320,426,173	1,436,776	0	235,048,067	300,414,194	407,814,083	2,372,271	18,290	29,146,614	42,162,607	61,790,406	271,729
2022	177,097	260,981,691	340,860,470	351,583,883	31,157,710	0	237,443,189	302,104,745	410,209,205	2,395,122	35,889	29,269,725	42,293,524	61,949,406	159,000
2023	194,835	309,362,917	386,356,702	400,159,944	48,576,061	0	238,617,052	301,947,070	411,383,068	1,173,863	39,069	29,262,456	42,041,663	61,981,206	31,800
2024	204,269	330,872,708	407,424,978	421,874,004	21,714,060	0	239,790,915	303,120,933	412,556,931	1,173,863	39,705	29,222,750	42,039,121	61,981,206	0
2025	211,848	356,592,488	433,356,607	447,805,633	25,931,629	0	239,790,915	302,882,548	412,556,931	0	39,705	29,214,845	41,909,520	62,013,006	31,800
2026	221,985	390,571,945	466,019,313	482,007,075	34,201,442	0	239,790,915	302,882,302	412,556,931	0	40,341	29,238,104	41,913,952	62,076,606	63,600
2027	234,763	428,891,608	504,573,738	520,561,500	38,554,425	0	239,790,915	302,882,302	412,556,931	0	41,613	29,260,090	41,977,552	62,140,206	63,600
2028	243,575	503,347,004	576,915,209	595,260,471	74,698,971	0	239,790,915	302,882,302	412,556,931	0	41,613	29,297,977	42,057,552	62,219,706	79,500
2029	252,773	540,047,385	613,843,459	632,213,625	36,953,154	0	239,790,915	302,838,527	412,556,931	0	41,613	29,327,914	42,034,950	62,291,256	71,550
2030	262,376	573,078,051	645,852,117	665,506,667	33,293,042	0	239,790,915	302,760,709	412,556,931	0	41,613	29,286,301	42,034,950	62,291,256	0
2031	272,405	605,156,807	678,203,278	697,857,828	32,351,161	0	239,790,915	302,760,709	412,556,931	0	41,613	29,244,687	41,793,172	62,291,256	0
2032	282,883	604,873,924	677,890,528	697,857,828	0	0	239,790,915	302,760,709	412,556,931	0	41,613	29,203,074	41,793,172	62,291,256	0
2033	2,961,596	601,912,329	673,574,096	697,857,828	0	0	239,790,915	299,020,150	412,556,931	0	41,613	29,161,461	41,793,172	62,291,256	0
2034	4,289,058	597,623,270	664,999,988	697,857,828	0	0	239,790,915	298,606,242	412,556,931	0	41,613	29,119,847	41,793,172	62,291,256	0
2060	12,456,602	381,773,184	378,868,431	697,857,828	0	2,449,791	133,790,018	133,841,247	412,556,931	0	0	26,098,006	29,495,564	62,291,256	0
2061	0	381,773,184	377,431,655	697,857,828	0	45,306,667	88,483,351	82,933,618	412,556,931	0	188,368	25,909,638	28,612,670	62,291,256	0
2062	30,316,710	351,456,474	346,273,945	697,857,828	0	7,942,672	80,540,679	74,990,946	412,556,931	0	1,544,774	24,364,864	26,878,657	62,291,256	0
2063	48,407,861	303,048,613	297,697,884	697,857,828	0	7,303,901	73,236,777	67,687,044	412,556,931	0	267,681	24,097,183	26,609,687	62,291,256	0
2064	21,714,060	281,334,553	275,983,824	697,857,828	0	22,028,597	51,208,180	45,658,447	412,556,931	0	2,344,218	21,752,965	24,021,740	62,291,256	0
2065	25,763,429	255,571,124	250,052,195	697,857,828	0	11,268,967	39,939,213	33,592,375	412,556,931	0	11,464	21,741,501	23,560,789	62,291,256	0
2066	33,865,042	221,706,082	215,850,753	697,857,828	0	1,003,625	38,935,589	31,334,627	412,556,931	0	13,405,646	8,335,855	10,15		