

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

Western Area Power Administration																	
PDP - ACTIVE Power Repayment Study																	
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		237,092	242,465	536,152	34,124	(132,004)	(59,567)								
1944	2,018,279	276,100	158,629	490,287	244,252	1,169,268	328	848,683	883,136								
1945	2,039,093	293,197	39,936	490,160	225,479	1,048,772	208	990,113	990,649								
1946 - 1995 omitted for brevity																	
1996	30,672,693	21,539,162	277,426	153,855	8,224,697	30,195,140		477,553	477,553	(0)	477,553	2,960,124	7,956,907	7,956,907			
1997	37,209,769	19,052,880	177,778	153,855	12,072,066	31,456,579		5,753,190	2,960,124	2,793,066	2,793,066	2,960,124	7,956,907	7,956,907			
1998	30,930,885	19,284,517	581,769	1,345,226	11,777,599	32,989,111		(2,058,226)	506,876	(2,565,102)	227,964	0	7,956,907	7,956,907			
1999	37,476,820	19,359,015	104,931	292,646	12,007,179	31,763,771		5,713,049	636,572	5,076,478	5,304,441	0	7,956,907	7,956,907			
2000	40,262,024	19,639,343	244,946	814,196	12,431,534	33,130,019		7,132,005	3,027,547	4,104,458	9,408,899	0	7,956,907	7,956,907			
2001	44,245,433	19,317,486	548,639	997,529	12,667,221	33,530,874		10,714,559	1,679,247	9,035,312	18,444,211	0	7,956,907	7,956,907			
2002	41,640,841	22,801,697	255,325	1,130,433	13,989,667	38,177,123		2,602,030	3,463,718	861,687	19,305,898	0	7,956,907	7,956,907			
2003	48,086,660	23,950,851	2,346,948	1,461,638	14,575,955	42,335,392		5,751,267	3,257,639	2,493,628	21,799,527	0	7,956,907	7,956,907			
2004	51,746,896	26,149,241	3,447,691	1,567,270	14,941,902	46,106,104		5,640,792	1,475,966	4,164,826	25,964,353	0	7,956,907	7,956,907			
2005	50,933,486	26,223,595	8,639,471	1,673,277	14,652,379	51,188,722		(255,236)	1,614,578	(1,869,814)	24,094,540	0	7,956,907	7,956,907			
2006	54,278,690	25,526,225	1,332,541	1,495,277	8,181,217	36,535,260		17,743,430	4,880,086	12,863,346	36,957,885	0	7,956,907	7,956,907			
2007	52,952,268	28,640,650	307,658	1,511,326	14,641,946	45,101,580		7,850,688	1,970,610	5,880,078	42,837,963	0	7,956,907	7,956,907			
2008	54,336,144	31,147,713	(8,808,629)	1,491,643	15,086,589	38,917,317		15,418,827	6,992,338	8,426,489	51,264,452	0	7,956,907	7,956,907			
2009	55,009,495	32,851,844	5,478,413	1,561,133	16,503,716	56,395,105		(1,385,610)	1,452,174	(2,837,784)	48,426,668	0	7,956,907	7,956,907			
2010	54,331,519	30,988,957	4,318,775	1,641,969	15,376,845	52,326,546		2,004,973	5,142,222	(3,137,249)	45,289,419	0	7,956,907	7,956,907			
2011	47,087,339	35,416,678	2,632,196	(5,674,097)	16,071,407	48,446,184		(1,358,845)	7,700,260	(9,059,105)	36,230,314	0	7,956,907	7,956,907			
2012	57,858,831	39,496,793	3,698,285	955,579	19,184,097	63,334,754		(5,475,923)	4,613,729	(10,089,652)	26,140,662	0	7,956,907	7,956,907			
2013	61,976,848	36,348,377	5,808,956	776,973	19,810	43,133,116		18,843,732	4,582,894	14,260,838	40,401,500	0	7,956,907	7,956,907			
2014	66,897,267	40,179,063	4,698,836	1,033,403	20,724,036	66,635,338		261,929	5,984,765	(5,722,836)	34,678,665	0	7,956,907	7,956,907			
2015	63,674,609	39,319,908	6,800,756	754,623	21,771,842	68,647,129		(4,972,520)	8,874,586	(13,847,106)	20,831,559	0	7,956,907	7,956,907			
2016	65,567,903	43,499,935	4,294,565	542,973	10,146,670	58,484,143		(582,960)	7,083,760	(582,960)	28,498,279	0	7,956,907	7,956,907			
2017	69,179,663	48,706,972	10,210,562	359,516	22,362,310	81,639,360		(12,459,698)	6,930,773	(19,390,471)	9,107,808	0	7,956,907	7,956,907			
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		
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	13,238,565	13,238,565	21,195,472	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	323,291	29,471,596	29,794,888	37,751,795	16,556,323		
Subtotal #	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			8,280,198				37,751,795	
HISTORIC																	
Subtotal #	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							
HISTORIC	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		8,280,198	#VALUE!	#VALUE!	#VALUE!	37,751,795	
2021 - 2059 omitted for brevity																	
2021	79,449,036	50,324,131	12,000,000	(494,049)	25,972,864	87,802,946		(8,353,910)	636,711	0	490,500	37,971,716	38,785,508	46,742,415	8,990,620		
2022	85,667,051	49,660,929	10,500,000	(813,716)	26,207,970	85,555,183		111,867	212,986	(101,119)	(101,119)	37,971,716	38,785,508	46,742,415			
2023	92,258,328	53,980,703	10,500,000	(803,025)	27,081,143	90,758,821		1,499,508	1,584,734	(85,226)	(186,345)	1,350,830	36,620,887	38,785,508	46,742,415		
2024	94,487,790	54,495,884	10,500,000	(724,895)	28,504,301	92,775,290		1,712,500	1,635,329	77,171	(109,174)	1,391,355	35,229,532	38,785,508	46,742,415		
2025	96,376,407	55,601,887	10,500,000	(636,532)	29,164,082	94,629,437		1,746,970	1,684,649	62,321	(46,853)	1,433,095	33,796,437	38,785,508	46,742,415		
2026	98,598,824	56,987,031	10,500,000	(640,971)	29,967,497	96,813,557		1,785,267	1,738,414	46,852	(0)	1,476,088	32,320,349	38,785,508	46,742,415		
2027	98,406,664	58,347,638	7,160,810	(655,949)	30,518,059	95,370,558		3,036,106	3,036,106	0	2,759,729	29,560,620	38,785,508	46,742,415			
2028	98,406,664	60,018,536	7,160,810	(655,949)	31,594,122	98,117,519		289,144	8,094,296	0	7,809,108	29,556,663	37,063,184	54,547,567	7,805,152		
2029	98,406,664	61,319,063	7,160,810	(655,949)	34,090,833	101,914,757		(3,508,093)	3,533,139	(0)	3,238,752	33,359,142	40,393,326	61,588,798	7,041,231		
2030	98,406,664	63,353,061	7,160,810	(655,949)	35,711,831	105,569,753		(7,163,089)	11,065,487	0	10,761,498	40,826,221	42,065,580	79,817,374	18,228,576		
2031	98,406,664	64,261,878	7,160,810	(655,949)	37,340,331	108,107,070		(9,700,407)	8,065,280	0	7,751,262	50,840,646	50,840,646	97,583,061	17,765,686		
2032	98,406,664	64,261,878	7,160,810		38,912,030	110,334,718		(11,928,054)	324,496	0	0	63,093,196	63,093,196	109,835,610	12,252,550		
2033	98,406,664	64,261,878	7,160,810		39,109,587	110,532,275		(12,125,611)	3,003,209	(0)	0	78,222,015	78,222,015	124,964,430	15,128,820		
2034	98,406,664	64,261,878	7,160,810		39,318,575	110,741,263		(12,334,600)	4,330,672	0	0	94,887,287	94,887,287	141,629,702	16,665,271		
2035 - 2059 omitted for brevity																	
2060	98,406,664	64,261,878	7,160,810		40,709,043	112,131,731		(13,725,067)	62,755,579	0	0	47,849,186	754,321,729	754,321,729	1,478,044,028	76,480,646	
2061	98,406,664	64,261,878	7,160,810		41,595,320	113,018,008		(14,611,344)	113,341,110	0	0	67,846,075	814,428,108	814,428,108	1,605,996,483	127,952,454	
2062	98,406,664	64,261,878	7,160,810		41,156,434	112,579,122		(14,172,458)	105,205,029	(0)	0	65,400,873	868,404,723	868,404,723	1,725,373,969	119,377,487	
2063	98,406,664	64,261,878	7,160,810		41,519,230	112,941,918		(14,535,254)	149,218,934	(0)	0	93,239,491	938,919,420	938,919,420	1,889,128,158	163,754,188	
2064	98,406,664	64,261,878	7,160,810		41,874,913	113,297,601		(14,890,937)	136,060,296	0	0	99,973,421	999,897,232	999,897,232	2,040,079,390	150,951,233	
2065	98,406,664	64,261,878	7,160,810		41,948,185	113,370,873		(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	
2066	98,406,664	64,261,878	7,160,810		42,269,478	113,692,166		(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	
2067	98,406,664	64,261,878	7,160,810		43,087,130	114,509,818		(16,103,154)	160,560,895	(0)	0	60,560,895	1,181,439,803	1,181,439,803			

**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						(59,567)	8,141,743	8,082,176	8,082,176	8,082,176					
1944						883,136	7,515,983	8,339,552	8,339,552	257,376		698,564	698,564	698,564	698,564
1945						990,649	6,907,382	8,721,600	8,721,600	382,048		700,475	700,475	700,475	1,911
1946 - 1995 omitted for brevity															
1996		37,740,172	63,692,026	63,692,026	20,828,846		81,299,829	236,417,192	245,420,877	3,674,308		26,060,007	26,060,007	26,769,876	
1997		43,856,455	69,808,309	69,808,309	6,116,283		91,367,734	242,940,496	255,488,782	10,067,905		26,060,813	26,060,813	26,769,876	
1998		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		25,674,853	25,674,853	26,769,876	
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	25,683,261	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	26,136,326	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		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		109,508,821	175,692,677	276,527,306	5,353,474		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		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	279,887,922	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		109,017,573	175,782,568	280,313,709	425,787	20,498	1,433,885	7,359,507	31,387,262	(454,798)
2008	5,776,781	117,672,500	142,502,113	160,693,694	14,233,884		108,816,230	176,497,922	281,327,923	1,014,214		1,433,885	7,414,408	31,387,262	
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		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		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		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		180,592,773	251,552,182	353,307,560	5,578,162	189,239	7,234,861	16,372,280	38,191,652	1,734,013
2013	4,581,605	161,421,044	198,892,111	226,725,720	24,942,916		184,724,156	255,545,200	357,438,944	4,131,384	1,289	7,502,542	9,708,893	38,640,623	268,970
2014	5,741,036	177,913,623	218,957,916	248,959,335	22,233,615		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	8,425,999	180,645,855	226,233,896	260,116,666	11,157,331		219,058,599	288,786,092	391,773,387	12,066,072	449,487	9,858,224	12,511,995	41,509,521	460,951
2016	(533,465)	187,768,646	227,851,436	266,705,993	6,589,327		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		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		215,245,547	296,014,037	305,435,199	20,131,125		222,829,319	292,463,449	395,595,335	(216,754)		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	232,675,797	298,885,380	405,441,812	16,822	28,893,176	41,939,263	61,518,678	2,478,586
Subtotal		90,297,176			318,996,473	165,144,100				405,441,812	32,625,502				58,599,464
Subtotal #					(7,076)	7,621,915									2,919,213
HISTORIC	90,297,176	#VALUE!	#VALUE!	#VALUE!	318,989,397	172,766,015	#VALUE!	#VALUE!	#VALUE!	405,441,812	32,625,502	#VALUE!	#VALUE!	#VALUE!	61,518,678
2021	127,920	230,001,078	309,866,744	320,426,173	1,436,776		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		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		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		239,790,915	303,120,933	412,556,931	1,173,863	39,705	29,222,750	42,039,121	61,981,206	
2025	211,848	356,592,488	433,356,607	447,805,633	25,931,442		239,790,915	302,882,548	412,556,931	39,705	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		239,790,915	302,882,302	412,556,931	40,341	40,341	29,238,104	41,913,952	62,076,600	63,600
2027	234,763	428,891,608	504,573,738	520,561,500	38,554,425		239,790,915	302,882,302	412,556,931	41,613	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		239,790,915	302,882,302	412,556,931	41,613	41,613	29,297,977	42,057,052	62,219,706	79,500
2029	252,773	540,047,385	613,843,459	632,213,625	36,953,154		239,790,915	302,838,527	412,556,931	41,613	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		239,790,915	302,760,709	412,556,931	41,613	41,613	29,286,301	42,034,950	62,291,256	
2031	272,405	605,156,807	678,203,278	697,857,828	32,351,161		239,790,915	302,760,709	412,556,931	41,613	41,613	29,244,687	41,793,172	62,291,256	
2032	282,883	604,873,924	677,890,528	697,857,828			239,790,915	302,760,709	412,556,931	41,613	41,613	29,203,074	41,793,172	62,291,256	
2033	2,961,596	601,912,329	673,574,096	697,857,828			239,790,915	299,020,150	412,556,931	41,613	41,613	29,161,461	41,793,172	62,291,256	
2034	4,289,058	597,623,270	664,999,988	697,857,828			239,790,915	298,606,242	412,556,931	41,613	41,613	29,119,847	41,793,172	62,291,256	
2035 - 2059 omitted for brevity															
2060	12,456,602	381,773,184	378,868,431	697,857,828		2,449,791	133,790,018	133,841,247	412,556,931			26,098,006	29,495,564	62,291,256	
2061		381,773,184	377,431,655	697,857,828		45,306,667	88,483,351	82,933,618	412,556,931		188,368	25,909,638	28,612,670	62,291,256	
2062	30,316,710	351,456,474	346,273,945	697,857,828		7,942,672	80,540,679	74,990,946	412,556,931		1,544,774	24,364,864	26,878,657	62,291,256	
2063	48,407,861	303,048,613	297,697,884	697,857,828		7,303,901	73,236,777	67,687,044	412,556,931		267,681	24,097,183	26,609,687	62,291,256	
2064	21,714,060	281,334,553	275,983,824	697,857,828		22,028,597	51,208,180	45,658,447	412,556,931		2,344,218	21,752,965	24,021,740	62,291,256	
2065	25,763,429	255,571,124	250,052,195	697,857,828		11,268,967	39,939,213	33,592,375	412,556,931		11,464	21,741,501	23,560,789	62,291,256	
2066	33,865,042	221,706,082	215,850,753	697,857,828		1,003,625	38,935,589	31,334,627	412,556,931		13,405,646	8,335,855	10,155,143	62,291,256	
2067	38,218,025	183,488,057	177,296,328	697,857,828		11,653,507	27,282,082	19,681,120	412,556,931			8,335,855	9,716,919	62,291,256	
2068	74,278,471	109,209,586	102,597,357	697											