

Parker-Davis Project Power Repayment Study for Fiscal Year 2020

Leveled Option 3

Year	Revenue		Expenses				PYA	Rev After Annual Exp	Capitalized Deficits			Principal Pmt	Unpaid Bal	AUI	CFI Bal	IFI	Principal Pmt	
	Total Rev	O&M Expense	Purchased Power Exp	Other Expense	Interest Exp	Total Exp			Total Principal Payment	Incr Change to Carryover	Cum Carryover							
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	990,649										
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	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	0	7,956,907		7,956,907		159,865
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	0	7,956,907		7,956,907		2,068,095
2001	44,245,433	19,317,486	548,639	997,529	12,667,221	33,330,874		10,714,559	1,679,247	9,035,312	18,444,211	0	0	7,956,907		7,956,907		755,532
2002	41,640,841	22,801,697	255,325	1,130,433	13,989,667	38,177,123		3,463,718	2,602,030	861,687	19,305,898	0	6,750,736	7,956,907		7,956,907		1,749,041
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	0	7,956,907		7,956,907		2,918,957
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	0	7,956,907		7,956,907		1,475,966
2005	50,933,486	26,233,595	8,639,471	1,673,277	14,652,379	51,188,722		(255,236)	1,614,578	(1,869,814)	24,094,540	0	0	7,956,907		7,956,907		1,612,974
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	0	7,956,907		7,956,907		984,208
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	0	7,956,907		7,956,907		(432,078)
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	0	7,956,907		7,956,907		5,776,781
2009	55,009,495	32,851,844	5,478,413	1,361,133	16,503,716	56,395,105		(1,385,610)	1,452,174	(2,837,784)	48,426,662	0	0	7,956,907		7,956,907		1,249,080
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	0	7,956,907		7,956,907		5,022,573
2011	47,087,539	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	0	7,956,907		7,956,907		7,005,734
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	0	7,956,907		7,956,907		4,424,490
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	0	7,956,907		7,956,907		4,581,605
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	0	7,956,907		7,956,907		5,741,036
2015	63,674,609	39,319,908	6,800,736	754,623	21,771,842	68,647,129		(4,972,520)	8,874,586	(13,847,106)	20,831,559	0	0	7,956,907		7,956,907		8,425,099
2016	65,567,903	43,499,935	4,294,565	542,973	10,146,760	58,484,143		(582,960)	7,083,760	7,666,720	28,498,279	0	0	7,956,907		7,956,907		(533,465)
2017	69,179,663	48,706,972		359,516	22,362,310	81,639,360		(12,459,698)	6,930,773	(19,390,471)	9,107,808	0	0	7,956,907		7,956,907		6,441,321
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	17,484,382	4,810,984
Sub-Total H	1,848,635,813	1,021,201,762	91,213,110	48,252,534	433,637,987	1,594,305,392	12,042,218	247,168,568	295,899,341		0	7,956,907				17,484,382		90,189,652
Sub-Total P	6,472,676	(1,217,763)		(21,340,946)	2,127,551	(20,431,158)	(9,744,498)	34,065,688	7,615,883									
HISTORICAL	1,855,108,489	1,019,983,998	91,213,110	26,911,588	435,765,538	1,573,874,234	2,297,720	281,234,256	303,515,224			7,956,907				17,484,382		90,189,652
2019 - 2060 omitted for brevity																		
2019	71,817,877	48,659,904	12,000,000	(1,471,670)	23,587,029	82,775,263		(10,957,386)	835,000	0	0	21,319,861	21,319,861	29,276,768		11,792,386		694,720
2020	76,901,948	50,984,406	7,160,810	(704,236)	25,035,955	82,476,915		(5,574,967)	379,867	(5,954,834)	323,291	20,996,570	21,319,861	29,276,768				49,016
2021	80,184,716	49,775,027	7,160,810	(593,753)	26,583,738	82,925,822		(4,108,048)	418,048	(3,159,154)	332,990	20,663,580	21,319,861	29,276,768				70,358
2022	85,639,484	51,292,860	7,160,810	(581,625)	27,183,072	85,055,117		584,367	449,620	134,747	342,980	20,320,600	21,319,861	29,276,768				86,901
2023	89,018,252	50,733,671	7,160,810	(554,451)	27,507,829	84,847,859		4,170,392	475,976	3,694,417	353,269	19,967,331	21,319,861	29,276,768				99,607
2024	92,226,333	51,567,238	7,160,810	(471,321)	28,186,244	86,442,971		5,783,362	498,537	5,284,824	0	363,867	19,603,464	21,319,861	29,276,768			109,470
2025	95,775,788	52,483,736	7,160,810	(471,321)	28,449,938	87,623,163		8,152,625	8,152,625	(0)	(0)	8,013,219	11,590,245	21,319,861	29,276,768			114,206
2026	95,775,788	53,655,963	7,160,810	(471,321)	29,387,361	89,732,814		6,042,974	6,042,974	0	0	5,898,592	5,691,653	21,319,861	29,276,768			119,182
2027	95,775,788	54,719,726	7,160,810	(471,321)	31,901,276	93,310,490		2,465,297	2,465,297	(0)	(0)	2,315,683	3,375,790	21,319,861	29,276,768			124,414
2028	95,775,788	55,527,833	7,160,810	(471,321)	32,891,029	95,108,351		667,437	3,531,086	0	(0)	3,375,970	2,863,649	14,656,035	32,140,417	2,863,649		129,916
2029	95,775,788	56,352,103	7,160,810	(471,321)	34,844,032	97,885,624		(2,109,836)	160,904	(0)	(0)	5,134,389	34,411,157	2,270,740	34,411,157	2,270,740		135,704
2030	95,775,788	56,352,103	7,160,810	(471,321)	34,918,428	97,960,019		(2,184,231)	166,995	(0)	(0)	7,485,616	7,485,616	36,762,384	2,351,227	36,762,384		141,795
2031	95,775,788	56,352,103	7,160,810	(471,321)	34,982,553	98,024,144		(2,248,356)	173,407	(0)	(0)	9,907,379	9,907,379	39,184,147	2,421,763	39,184,147		148,207
2032	95,775,788	56,352,103	7,160,810	(471,321)	34,865,295	97,906,887		(2,131,099)	180,159	0	(0)	12,218,636	12,218,636	41,495,404	2,311,257	41,495,404		154,959
2033	95,775,788	56,352,103	7,160,810	(471,321)	34,758,612	97,800,203		(2,024,415)	2,855,034	0	(0)	17,098,085	17,098,085	46,374,854	4,879,449	46,374,854		162,834
2034	95,775,788	56,352,103	7,160,810	(471,321)	34,664,072	97,705,664		(1,929,876)	4,178,544	0	(0)	23,206,505	23,206,505	52,483,273	6,108,420	52,483,273		177,462
2035	95,775,788	56,352,103	7,160,810	(471,321)	34,490,846	97,532,437		(1,756,649)	202,662	0	(0)	25,165,817	25,165,817	54,442,585	7,160,810	54,442,585		184,207
2036	95,775,788	56,352,103	7,160,810	(471,321)	34,541,298	97,582,889		(1,807,101)	1,904,242	0	(0)	28,877,160	28,877,160	58,153,928	3,711,344	58,153,928		189,402
2037	95,775,788	56,352,103	7,160,810	(471,321)	34,504,608	97,546,199		(1,770,411)	4,940,285	0	(0)	35,587,857	35,587,857	64,864,625	6,710,696	64,864,625		195,085
2038	95,775,788	56,352,103	7,160,810	(471,321)	34,287,033	97,328,625		(1,552,837)	7,827,572	0	0	2,863,649	42,104,617	42,104,617	74,245,034	9,380,409	42,104,617	2,279,970

**Parker-Davis Project
Power Repayment Study for Fiscal Year 2020**

**Leveled
Option 3**

Year	Replacements				Original Project and Additions					Aid To Irrigation				
	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	26,769,876	
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	26,769,876	
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	26,769,876	
1999	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	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	63,577,525	90,517,238	92,512,871	11,182,889	771,155	103,417,222	179,265,021	269,849,496	7,437,526	152,559	3,974,169	19,237,250	31,299,569	3,727,001
2002	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	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	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	83,200,189	108,122,384	119,892,472	2,210,721		112,607,432	176,829,291	279,625,917	1,604		6,403,711	9,457,818	34,336,176	1,604
2006	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	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	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		1,433,885	7,414,408	31,387,262	
2009	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	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	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	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	9,637,280	38,191,652	1,734,013
2013	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	38,460,623	268,970
2014	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	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	9,888,224	12,511,095	41,509,521	460,951
2016	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	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	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
Sub-Total H				285,311,150		165,144,100			395,812,088		32,608,680			54,078,211
Sub-Total P				(7,076)		7,621,915								2,920,642
HISTORICAL				285,304,074		172,766,015			395,812,088		32,608,680			56,998,853
2019	215,698,027	297,161,237	306,582,399	21,278,325		223,219,211	292,853,341	395,985,227	173,139	140,280	24,390,172	38,087,248	57,139,133	140,280
2020	264,144,940	345,657,166	355,078,327	48,495,928		223,343,942	289,553,526	396,109,958	124,731	7,560	24,685,012	37,862,118	57,441,533	302,400
2021	284,971,587	365,415,903	375,973,333	20,897,006		223,473,732	288,839,859	396,239,747	129,790	14,700	24,955,912	38,099,333	57,727,133	285,600
2022	297,605,640	377,972,873	388,696,286	12,720,953		223,473,732	288,135,288	396,239,747		19,740	25,137,772	38,272,850	57,928,733	201,600
2023	319,127,422	396,514,432	410,317,674	21,621,388		223,473,732	286,803,750	396,239,747		23,100	25,249,072	38,123,589	58,063,133	134,400
2024	339,354,245	416,204,941	430,653,968	20,336,293		223,473,732	286,803,750	396,239,747		25,200	25,307,872	38,205,047	58,147,133	
2025	365,945,156	442,910,059	457,359,085	26,705,117		223,473,732	286,565,365	396,239,747		25,200	25,282,672	38,043,646	58,147,133	
2026	445,152,998	520,698,346	536,686,109	79,327,024		223,473,732	286,565,119	396,239,747		25,200	25,257,472	37,984,478	58,147,133	
2027	471,366,439	547,036,202	563,023,964	26,337,856		223,473,732	286,565,119	396,239,747		25,200	25,232,272	37,984,478	58,147,133	
2028	516,158,578	589,600,757	607,946,019	44,922,055		223,473,732	286,565,119	396,239,747		25,200	25,207,072	37,984,478	58,147,133	
2029	516,022,873	589,575,853	607,946,019			223,473,732	286,521,344	396,239,747		25,200	25,181,872	37,890,826	58,147,133	
2030	515,881,078	588,291,469	607,946,019			223,473,732	286,443,526	396,239,747		25,200	25,156,672	37,890,826	58,147,133	
2031	515,732,871	588,291,469	607,946,019			223,473,732	286,443,526	396,239,747		25,200	25,131,472	37,649,048	58,147,133	
2032	515,577,913	587,978,719	607,946,019			223,473,732	286,443,526	396,239,747		25,200	25,106,272	37,649,048	58,147,133	
2033	512,748,079	583,662,286	607,946,019			223,473,732	282,702,967	396,239,747		25,200	25,081,072	37,649,048	58,147,133	
2034	508,594,735	575,088,178	607,946,019			223,473,732	282,289,059	396,239,747		25,200	25,055,872	37,649,048	58,147,133	
2035	508,417,273	573,912,667	607,946,019			223,473,732	282,289,059	396,239,747		25,200	25,030,672	37,649,048	58,147,133	
2036	506,538,230	552,875,359	607,946,019			223,473,732	279,643,699	396,239,747		25,200	25,005,472	37,649,048	58,147,133	
2037	501,623,146	546,714,873	607,946,019			223,473,732	279,643,699	396,239,747		25,200	24,980,272	37,649,048	58,147,133	
2038	497,343,176	542,638,741	607,946,019		658,754	222,814,978	247,720,263	396,239,747		25,200	24,955,072	37,649,048	58,147,133	
2039	496,288,172	541,189,617	607,946,019			222,814,978	234,085,169	396,239,747		25,200	24,929,872	37,649,048	58,147,133	
2040	495,681,132	538,422,785	607,946,019			222,814,978	234,085,169	396,239,747		25,200	24,904,672	37,649,048	58,147,133	
2041 - 2060 omitted for brevity														
2061	232,784,426	231,970,686	607,946,019		48,661,572	63,211,066	65,262,295	396,239,747		188,368	21,867,114	24,467,117	58,147,133	
2062	221,061,873	219,249,733	607,946,019		7,942,672	55,268,393	57,319,622	396,239,747		1,544,774	20,322,340	22,733,104	58,147,133	
2063	200,106,084	197,628,345	607,946,019		7,303,901	47,964,492	50,015,721	396,239,747		267,681	20,054,659	22,464,134	58,147,133	
2064	180,185,791	177,292,051	607,946,019		22,028,597	25,935,895	27,987,124	396,239,747		2,344,218	17,710,441	19,876,187	58,147,133	
2065	153,480,674	150,586,934	607,946,019		11,268,967	14,666,928	15,921,052	396,239,747		11,464	17,698,977	19,415,236	58,147,133	
2066	74,153,650	71,259,910	607,946,019		1,003,625	13,663,304	13,663,304	396,239,747		13,405,646	4,293,331	6,009,590	58,147,133	
2067	47,815,794	44,922,055	607,946,019		1,653,507	2,009,797	2,009,797	396,239,747			4,293,331	5,571,366	58,147,133	
2068	2,893,740		607,946,019		1,582,138	427,659	427,659	396,239,747		3,854,431	438,900	1,148,280	58,147,133	
2069	2,893,740		607,946,019		173,139	254,520	254,521	396,239,747			438,900	1,008,000	58,147,133	
Sub-Total F				322,641,945		223,219,212			427,659		25,099,552			1,148,280
STUDY TO				607,946,019		395,985,227			396,239,747		57,708,233			58,147,133