

Parker-Davis Project
Power Repayment Study for Fiscal Year 2020 Charges
Option 1

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	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	0	7,956,907	7,956,907			
1998	30,930,885	19,284,517	581,769	1,345,226	11,777,599	32,989,111	3,763,771	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			
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			
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	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	3,463,718	2,602,030	861,687	19,305,898	0	0	6,750,736	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	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	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	0	7,956,907	7,956,907			
2006	54,278,690	25,526,225	1,332,541	1,495,277	8,181,217	36,535,261	17,743,430	4,880,086	12,863,346	36,957,885	0	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	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	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	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	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	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	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	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	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	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	7,083,760	(582,960)	7,666,720	28,498,279	0	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	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	5,379,630	(9,107,808)	0	9,527,475	9,527,475	17,484,382	17,484,382			9,527,475
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
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								
HISTORIC	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
2019	71,817,877	48,443,221	3,920,000	(1,471,670)	23,587,029	74,478,580		(2,660,703)	835,000	0	0	13,023,178	13,023,178	20,980,085			3,495,703
2020	89,769,500	50,984,406	7,160,810	(704,236)	24,662,584	82,103,564		7,665,936	6,311,860	1,354,077	1,354,077	4,482,706	8,540,472	13,023,178	20,980,085		
2021	89,769,500	49,775,027	7,160,810	(593,753)	26,017,637	72,359,721		7,409,779	7,239,279	170,500	1,524,577	5,508,136	3,032,336	13,023,178	20,980,085		
2022	92,181,500	51,292,860	7,160,810	(581,625)	26,512,135	84,384,180		7,797,320	7,846,937	(49,616)	1,474,960	747,247	2,285,089	13,023,178	20,980,085		
2023	92,181,500	50,733,671	7,160,810	(554,451)	26,310,748	83,650,778		8,530,722	8,388,333	142,390	1,617,350	353,269	1,931,820	13,023,178	20,980,085		
2024	92,094,478	51,567,238	7,160,810	(471,321)	26,398,437	84,655,164		7,439,314	9,056,664	(1,617,350)	0	363,867	1,567,953	13,023,178	20,980,085		
2025	92,181,500	51,722,238	7,160,810	(471,321)	25,990,706	84,402,433		7,779,068	7,779,068	(0)	0	374,783	1,193,170	13,023,178	20,980,085		
2026	92,181,500	52,117,738	7,160,810	(471,321)	26,407,918	85,215,145		6,966,355	6,966,355	0	0	386,027	807,143	13,023,178	20,980,085		
2027	92,181,500	52,389,238	7,160,810	(471,321)	28,680,480	87,759,207		4,422,293	4,422,293	(0)	(0)	397,607	409,536	13,023,178	20,980,085		
2028	92,181,500	52,389,238	7,160,810	(471,321)	29,365,152	88,443,879		3,737,621	3,737,621	0	(0)	409,536	0	3,495,703	20,980,085		
2029	92,181,500	52,389,238	7,160,810	(471,321)	31,020,551	90,099,278		2,082,222	2,082,222	0	(0)	0	0	20,980,085			
2030	92,181,500	52,389,238	7,160,810	(471,321)	30,836,836	89,915,563		2,265,937	2,265,937	0	0	0	0	20,980,085			
2031	92,181,500	52,389,238	7,160,810	(471,321)	30,636,891	89,715,618		2,465,883	2,465,883	0	0	0	0	20,980,085			
2032	92,181,500	52,389,238	7,160,810	(471,321)	30,238,524	89,317,251		2,864,249	2,864,249	(0)	(0)	0	0	20,980,085			
2033	92,181,500	52,389,238	7,160,810	(471,321)	29,820,232	88,898,959		3,282,542	3,282,542	0	0	0	0	20,980,085			
2034	92,181,500	52,389,238	7,160,810	(471,321)	29,534,332	88,613,059		3,568,441	3,568,441	0	0	0	0	20,980,085			
2035	92,181,500	52,389,238	7,160,810	(471,321)	29,223,506	88,302,233		3,879,267	3,879,267	(0)	(0)	0	0	20,980,085			
2036	92,181,500	52,389,238	7,160,810	(471,321)	28,885,579	87,964,306		4,217,194	4,217,194	0	0	0	0	20,980,085			
2037	92,181,500	52,389,238	7,160,810	(471,321)	28,527,098	87,605,825		4,575,675	4,575,675	(0)	(0)	0	0	20,980,085			
2038	92,181,500	52,389,238	7,160,810	(471,321)	28,137,010	87,215,737		4,965,763	4,965,763	0	(0)	0	0	20,980,085			
2039	92,181,500	52,389,238	7,160,810	(471,321)	27,736,132	86,814,859		5,366,641	5,366,641	0	0	0	0	20,980,085			
2040	92,181,500	52,389,238	7,160,810	(471,321)	27,273,462	86,352,189		5,829,312	5,829,312	(0)	(0)	0	0	20,980,085			
2041 - 2060 omitted for brevity																	
2061	92,181,500	52,389,238	7,160,810	(471,321)	15,831,019	74,909,746		17,271,754	64,242,512	(0)	(0)	107,081,643	131,558,219	159,954,883			46,970,758
2062	92,181,500	52,389,238	7,160,810	(471,321)	14,142,171	73,220,898		18,960,603	21,209,999	0	(0)	109,331,039	128,595,579	162,204,280			

Parker-Davis Project
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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	26,769,876	
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	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		104,155,347	173,493,767	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		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		125,014,611	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	9,637,280	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	38,460,623	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	8,425,099	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	12,511,095	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		24,390,172	37,963,829	56,998,853	1,502,444
Sub-Total H	90,189,652				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
HISTORIC	90,189,652				285,304,074	172,766,015				395,812,088	32,608,680				56,998,853
2019 - 2060 omitted for brevity															
2019	694,720	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	1,526,754	262,667,202	345,657,166	355,078,327	48,495,928		223,343,942	289,553,526	396,109,958	124,731	302,400	24,390,172	37,862,118	57,441,533	302,400
2021	1,445,543	282,118,665	365,415,903	375,975,333	20,897,006		223,473,732	288,839,859	396,239,747	129,790	285,600	24,390,172	38,099,333	57,727,133	285,600
2022	6,898,089	287,941,529	377,972,873	388,696,286	12,720,953		223,473,732	288,135,288	396,239,747		201,600	24,390,172	38,272,850	57,928,733	201,600
2023	7,900,664	301,662,253	396,514,432	410,317,674	21,621,388		223,473,732	286,803,750	396,239,747		134,400	24,390,172	38,123,589	58,063,133	134,400
2024	7,343,458	314,655,089	416,204,941	430,653,968	20,336,293	1,265,339	222,208,394	286,803,750	396,239,747		84,000	24,390,172	38,205,047	58,147,133	84,000
2025	40,551	341,319,655	442,910,059	457,359,085	26,705,117		214,844,660	286,565,365	396,239,747			24,390,172	38,043,646	58,147,133	
2026	43,318	420,603,360	520,698,346	536,686,109	79,327,024		208,307,650	286,565,119	396,239,747			24,390,172	37,984,478	58,147,133	
2027	46,274	446,894,942	547,036,202	563,023,964	26,337,856		204,329,238	286,565,119	396,239,747			24,390,172	37,984,478	58,147,133	
2028	49,432	491,767,564	589,600,757	607,946,019	44,922,055		201,050,584	286,565,119	396,239,747			24,390,172	37,984,478	58,147,133	
2029	52,806	491,714,759	589,575,853	607,946,019		2,029,417	199,021,167	286,521,344	396,239,747			24,390,172	37,890,826	58,147,133	
2030	56,409	491,658,349	588,291,469	607,946,019		2,209,528	196,811,639	286,443,526	396,239,747			24,390,172	37,890,826	58,147,133	
2031	1,984,355	489,673,994	588,291,469	607,946,019		481,528	196,330,112	286,443,526	396,239,747			24,390,172	37,649,048	58,147,133	
2032	2,864,249	486,809,745	587,978,719	607,946,019			196,330,112	286,443,526	396,239,747			24,390,172	37,649,048	58,147,133	
2033	3,282,542	483,527,203	583,662,286	607,946,019			196,330,112	282,702,967	396,239,747			24,390,172	37,649,048	58,147,133	
2034	3,568,441	479,958,762	575,088,178	607,946,019			196,330,112	282,289,059	396,239,747			24,390,172	37,649,048	58,147,133	
2035	2,681,588	477,277,173	573,912,667	607,946,019		1,197,679	195,132,433	282,289,059	396,239,747			24,390,172	37,649,048	58,147,133	
2036	1,117,835	476,159,338	552,875,359	607,946,019			192,033,074	279,643,699	396,239,747			24,390,172	37,649,048	58,147,133	
2037	691,157	475,468,182	546,714,873	607,946,019			188,148,555	279,643,699	396,239,747			24,390,172	37,649,048	58,147,133	
2038	2,405,635	473,062,546	542,638,741	607,946,019			185,588,427	247,720,263	396,239,747			24,390,172	37,649,048	58,147,133	
2039	349,186	472,713,360	541,189,617	607,946,019			180,570,973	234,085,169	396,239,747			24,390,172	37,649,048	58,147,133	
2040	489,295	472,224,065	538,422,785	607,946,019			175,230,956	234,085,169	396,239,747			24,390,172	37,649,048	58,147,133	
2041 - 2060 omitted for brevity															
2061	19,482,296	229,890,687	231,970,686	607,946,019		44,571,847	63,207,045	65,262,295	396,239,747		188,368	21,428,214	24,467,117	58,147,133	
2062	11,722,553	218,168,133	219,249,733	607,946,019			55,264,372	57,319,622	396,239,747		1,544,774	19,883,440	22,733,104	58,147,133	
2063	20,955,788	197,212,345	197,628,345	607,946,019			7,303,901	47,960,471	396,239,747		267,681	19,615,759	22,464,134	58,147,133	
2064	19,920,293	177,292,052	177,292,051	607,946,019			22,0								