Table 1

FY1988 - 2004

Table 1
Historical Summary of Boulder Canyon Project Replacements
For The Period June 1, 1987 Through September 30, 2014,
Plus
Summary of Budgeted Boulder Canyon Project Replacements
For The Period October 1, 2014 Through September 30, 2024.

ITEM NO.	DESCRIPTION	AMORT. CLASS	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
			$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$
1	Hoover-Mead Consolidation	Multi-Yr		758,109	3,433,253	482,973	1,361,537	2,019,337	2,952,402	499,202	57,274								
2	River Telemetry Upgrade/Sutron	Annual			313,083	255,317	52,412	217,691	142,969	39,189	31,340	18,037							
3	PP Piping Replacement	Annual					40,823	249,923	214,206	212,640	158,184	81,755	134,248	8,882		150,000			
4	Jet Flow Gates-Install/Design	Multi-Yr					109,273	71,399	24,301	934,294	203,274	681,007	1,801,733	23,946					
5	Station/Domestic Water Systems	Multi-Yr		35,770	1,916	113,998	127,573	1,034,419	432,474	104,900									
6	Cooling Water Eductor System	Annual					46,301	58,594	696,195	16,932	241,717	368,181	274,444	258,798	250,416	251,321	292,064	254,488	63,529
7	Crane Modernization	Multi-Yr						92,519	287,216	157,774	4,623	23,829	1,789		1,005				
8	Thrust Bearing Cooler NV/AZ	Annual						3,071	105,545	2,213	36,976	239,369							
9	Unscheduled Powerplant Replacements	Annual			331,455	(228,839)	96,178	180,705	847,127	556,462	621,686	5,637	22,316	14,375					
10	Station Service Units-Recondition	Multi-Yr			29,594	5,491	179	71,389	851,321	1,215,620	360,235								
11	Station Service Air Compressors	Multi-Ann	268,046	61,570	14,746						3,800								
12	Jus System Upgrade	Multi-Yr								173,817	550,971	469,855							
13	Fire Alarm System	Multi-Yr							26,495	15,756	75,280	484,118	16,401						
14	Intake Emergency Generators	Multi-Yr								329,182	58,354	345,696	84,047	13,293					
15	Sewage Sludge Pumps	Multi-Yr									80,300	25,533							
16	Scheduled Communication Replacements	Annual									268,676	270,326	289,404	189,939	214,039	45,829	184,070	53,774	
17	Wicketgate Bushings/Wear Plate	Annual												6,766	234,364	67,274	78,854	155,526	511,159
18	Ground Switch - N4	Annual									4,369								
19	Scheduled Control System Replacements	Annual									324,242	437,984	527,495	252,011	91,535	287,854	392,305	126,085	170,770
20	Upgrade Machine Shop Equipment	Multi-Yr								571	412,312	369,403							
21	Central Section Replacements	Multi-Yr											102,710	922,843	122,739				
22	Sewage Plant	Annual										269,986							
23	Life Safety Code/ADA Compliance	Annual										44,679	111,716	464,688	90,564	653,405	260,732	125,143	134,069
24	Station Service Electrical	Multi-Yr						42,135	249	867									
25	Spare Unit Breaker	Multi-Yr											14,226	14,725	236,557	12,744	2,644		
26	Intake Gatehoist Starters	Annual											8,887	27,952					
27	Battery - Operated Forklifts	Annual											22,041						
28	Seal Rings - A3/A4	Annual											16,398	177,535					
29	Lighting Panels	Multi-Yr							2,221	5,404									
31	River Telemetry/MMI	Annual		626	19,037	50,133	25,394	2,025	103,488	20,785									
32	Paradox Gate Controls	Multi-Yr							4,987	48,619									
33	Butterfly Seals/Pivot Bearings	Annual								9,737									
34	Station Service Equipment	Multi-Yr	168,891	38,062															
35	General Piping Replacements	Annual	18,649																
36	2300V Station Service Cable	Annual	168,693																
37	Needle Valve Replacement Program	Multi-Yr	31,789	47,197	379,212	1,936,298	454,350	4,034											
38	480V Motor Control Centers	Multi-Yr	190,250	5,149															
39	Central Section Firelines	Multi-Yr	278,879	45,965															
40	Dam/Powerplant Elevator Controls/ElevatorMotor&Controller Repic	Multi-Yr-Ann	813,879	77,685															
41	AZ/NV Valvehouse Elevators	Multi-Yr	247,645	336,495	96,290														
42	Flowmeter Record/Monitor Equipment	Multi-Yr	145,763	283															
43	Pre-88 Expense Water Piping (SCE)	Annual	403,501																
44	Pre-88 Expense A6 Windings (SCE)	Annual	98,835																
45	Temperature Monitoring Equipment	Multi-Yr	353,769	105,562															
46	Auto Grease System	Multi-Yr	47,695	11,665															
47	AZ Valve House Water Supply	Multi-Yr	212,470	53,404															
48	Central Section Sump Pumps	Multi-Yr	240,952	28,479															
49	125-250V DC Battery Charge System	Annual	371,186																
50	Fiber Optics Communications	Multi-Yr	98,136	226,454	89,557														
51	Central Section Ventilation	Ann-Multi	973		1,542		59,188	1,265,442	79,483										
52	Station Service Governors	Ann-Multi		25,040		2,207	407,788												
53	Unit CB's/N1-N7, A1-A2, 1B, SS	Multi-Yr	10,997	50,761															
54	M Distribution Board	Multi-Yr			419	942,160	687,861												
55	150-Ton Gateway Control Boards/Relays	Ann-Multi		65,046		69,041	667,923	110,590	305										
56	Penstock Tunnels-Lighting System	Multi-Ann			36	63,096	172,089	17,086	55				3,706	16,327	182,620	4,293	1,880	58,353	629,393
57	Communications Upgrade	Multi-Yr					985,207	85,088											
58	Vacuum Purification Units	Multi-Yr					2,147	8,858											
59	Uninterruptible Power Supply	Annual					218,394												
60	4th Floor Unit Controls/NV	Multi-Yr					71,592	115,321											
61	4th Floor Unit Controls/AZ	Multi-Yr					130,920	105,203											
62	Telephone Switch	Multi-Yr						317,984	35,609										
63	Station Service Controls/Relays	Multi-Yr						223,442	601										
64	Station Service Compressors	Multi-Yr							30,664	775,767									
65	Dewater Eductors/Water Pumps	Annual							4,970										
66	Miscellaneous/Minor Equipment	Annual	142,516	203,260		15,031	32,668	33,703	127,056		129,370	109,324	104,818	106,463	89,300	77,810	78,661	110,985	27,018
67	Sedans/Transportation Equipment (Rolling Stock)	Annual	72,919	195,972		60,000	91,268	108,403	105,800	58,996	46,891	54,389	(17,760)			68,835	23,050	153,580	67,409
68	Unscheduled General Project Replacements	Annual							2,426			3,205	98,285	7,785	4,952				
69	Communications Test Equipment	Annual							104,958	88,838	11,359	18,251	27,364	5,785	12,331	14,322		252	513
70	Controls System Test Equipment	Annual							6,158	8,747	19,940	31,825	26,811	549	2,323		7,058		25,000
72	BC Water System Modifications	Annual	138,220	4,404															
73	Breakers/Timing Tester	Annual				30,000													
74	Machine Shop Mill	Multi-Yr					43,676	722											
75	Roof Drainage System	Annual	43,155																
76	Other Noncontract Replacement Expense	Annual	202,568																
77	Transformer Warranty Work	Multi-Yr										331,953	100,000						
78	Generator Coolers	Annual											78,759	182,349	88,412	19,502	140,307	133,334	22,526
79	Misc NC Expense Paint Shop	Annual	14,846																
80	Air Compressor	Annual	2,760																
81	Power Saw	Annual	13,642																
82	Lathe	Annual	80,997																
83	Fork Lift	Annual	44,115																
84	A9 Seal Rings	Annual											10,200						
85	Auto Synchronizer	Annual											8,083						
86	Butterfly (Rubber) Valves (Seats and Seals (Resealing)	Annual													21,384	842,517	774,663	832,814	638,372
87	DSWR Warehouse (Western) **	Annual												183	4,778	38,541	4,932	20,378	
88	Remove & Dispose of Bushings at Hoover 69kV Yard **	Annual																	
89	Air Compressors Overhaul	Annual												47,854					
90	Batteries - UPS	Annual												81,181					
91	Emergency Compressor Repair	Annual												30,468					
92	Vibration Test/Correct A5/N7	Annual												165,038	26,468				
93	Replace Station Service Tie Brkr w/Bus	Annual														8,457			
94	Service Air System Replacement	Annual														5,029			
95	Spare Turbine Seal Rings	Annual														10,398	182,541	2,799	140,825
96	VHF Radios (Western) **	Annual												(338)		10,269	61,343	88,634	(30,154)
97	Relay Replacements on Hoover-Mead Lines/Digital VaultRecorders **	Annual																	
98	2300V Conduit & Power Cable (Warehouse) Repic	Annual																	
99	Replace Wastewater Treatment Facility	Annual																	
100	Drum Gate Hinge Pins Replacements	Annual																	
101	Squibs on 17 Generator CO2 Sys	Annual																	
102	Station Service 250V Batteries	Annual														71,200	37,379	(2,026)	
103	Incline Tunnel Piping	Annual														38,505	215,415	348	
104	Life Safety (Emergency Lighting)	Annual														31,154	33,660	275,710	
105	Relay Protection	Annual														73,252			
106	Servo Motor (N7)	Annual														6,706			
107	SF6 Breaker Mods	Annual															135,444		
108	Slot Line Piping Repair	Annual															47,065	267,418	
109	Replace/Upgrade Microwave Telemetry System	Annual																	
110	Phasor Measurement Unit (PMU) Installation at Mead Substation **	Annual																	
111	Drum Gate Control Valve Replacement	Annual																	
112	Drum Gate Drain Hose Replacements	Annual																	
113	Sump Pump - Lower Nevada	Annual																	
114	Butterfly Valves Pumps/Bearings Assessment	Annual																	
115	Drum Gate Seal Replacement	Annual																	
116	HVAC (8th Floor)	Annual																	
117	Lower Portal Tunel Lighting refurbishment	Annual																	
118	Surge Arrestors	Annual																17,150	
119	Wickgate Replacements (Stainless)	Annual																	
120	Station Service Transformers	Annual																	520,035
121	Potable Water/Fire Protection System Upgrade	Annual																	
122	Hoover SCADA Upgrade and Plant/Unit Control Modernization	Annual																	
123	Station Service Pelton Turbine Replacement	Annual																	
124	Electrical Panel replacment	Annual																	
125	Replace 2300 Volt Switchgear	Annual																	
126	Western Outyear Projects to be defined later **	Annual																	
127	Low Head Turbine Runner	Annual																	
128	Basler (BE1-50BF) Relay Repayments at Mead Substation **	Annual																	
129	Redundant Hoover Dynamic Signal **	Annual																	
130	JEMII Meter Replacements **	Annual																	
131	Deltec UPS Equipment	Annual																	
Total Replacements Cost Repayable to the U.S. Treasury			**4,724,736**	**2,376,942**	**4,710,140**	**3,796,906**	**5,884,561**	**6,458,883**	**7,189,285**	**5,274,512**	**3,720,973**	**4,704,124**	**3,867,101**	**3,019,357**	**1,671,787**	**2,589,019**	**2,953,867**	**2,676,743**	**2,920,484**
Total Replacements Cost Reported in PRS			**4,724,736***	**2,376,942**	**5,143,434**	**3,591,038**	**7,536,153**	**6,693,055**	**7,861,229**	**3,709,606**	**3,720,973**	**4,704,124**	**3,867,101**	**3,019,716***	**1,667,009****	**2,377,465***	**2,886,712***	**2,580,475***	**2,937,415***
Prior Year Adj. of Replacements Cost Reported in PRS					(433,294)	205,868	(1,651,592)	(234,972)	(671,944)	1,564,906									
Total Replacements Cost Reported in PRS including PY Adjustment			4,724,736*	2,376,942	4,710,140	3,796,906	5,884,561	6,458,083	7,189,285	5,274,512	3,720,973	4,704,124	3,867,101	3,019,716	1,667,009	2,377,465	2,886,712	2,580,475	2,937,415
		Recap/Summary																	
		Multi-Year	**2,907,161**	**1,882,590**	**4,045,023**	**3,815,264**	**5,291,303**	**5,603,968**	**4,728,383**	**4,261,773**	**1,862,623**	**2,751,194**	**2,120,906**	**974,607**	**360,301**	**12,744**	**2,644**	**0**	**0**
		Annual	**1,817,575**	**494,352**	**665,117**	**181,642**	**593,258**	**854,115**	**2,460,902**	**1,012,739**	**1,858,350**	**1,952,930**	**1,746,195**	**2,044,550**	**1,311,486**	**2,576,275**	**2,951,223**	**2,676,743**	**2,920,484**
			4,724,736	**2,376,942**	**4,710,140**	**3,796,906**	**5,884,561**	**6,458,083**	**7,189,285**	**5,274,512**	**3,720,973**	**4,704,124**	**3,867,101**	**3,019,357**	**1,671,787**	**2,589,019**	**2,953,867**	**2,676,743**	**2,920,484**

Table 1

FY 2005 2025

TABLE 1
Historical Summary of Boulder Canyon Project Replacements
For The Period June 1, 1987 Through September 30, 2014
Plus
Summary of Budgeted Boulder Canyon Project Replacements
For The Period October 1, 2015 Through September 30, 2024

ITEM NO.	DESCRIPTION	AMORT. CLASS	FY 2005 $	FY 2006 $	FY 2007 $	FY 2008 $	FY 2009 $	FY 2010 $	FY 2011 $	FY 2012 $	FY 2013 $	FY 2014 $	FY 2015 $	FY 2016 $	FY 2017 $	FY 2018 $	FY 2019 $	FY 2020 $	FY 2021 $	FY 2022 $	FY 2023 $	FY 2024 $
1	Hoover-Mead Consolidation	Multi-Yr																				
2	River Telemetry Upgrade/Sutron	Annual																				
3	P/P Piping Replacement	Annual																				
4	Jet Flow Gates-Install/Design	Multi-Yr																				
5	Station/Domestic Water Systems	Multi-Yr																				
6	Cooling Water Eductor System	Annual	358,445	312,860	44	3,135	41	530														
7	Crane Modernization	Multi-Yr																				
8	Thrust Bearing Cooler NV/AZ	Annual																				
9	Unscheduled Powerplant Replacements	Annual																				
10	Station Service Units-Recondition	Multi-Yr																				
11	Station Service Air Compressors	Multi-Ann																				
12	Jus System Upgrade	Multi-Yr																				
13	Fire Alarm System	Multi-Yr																				
14	Intake Emergency Generators	Multi-Yr																				
15	Sewage Sludge Pumps	Multi-Yr																				
16	Scheduled Communication Replacements	Annual	28,031	29,375																		
17	Wicketgate Bushings/Wear Plate	Annual	146,349	123,018	635,873	343,221	182,040	547,517	209,173	216,032	359,177	39,133										
18	Ground Switch - N4	Annual																				
19	Scheduled Control System Replacements	Annual	192,379	167,817	13,650	40																
20	Upgrade Machine Shop Equipment	Multi-Yr																				
21	Central Section Replacements	Multi-Yr																				
22	Sewage Plant	Annual																				
23	Life Safety Code/ADA Compliance	Annual	65,848	76,315																		
24	Station Service Electrical	Multi-Yr																				
25	Spare Unit Breaker	Multi-Yr																				
26	Intake Gateholst Starters	Annual																				
27	Battery - Operated Forklifts	Annual																				
28	Seal Rings - A3/A4	Annual																				
29	Lighting Panels	Multi-Yr																				
31	River Telemetry/MMI	Annual																				
32	Paradox Gate Controls	Multi-Yr																				
33	Butterfly Seals/Pivot Bearings	Annual																				
34	Station Service Equipment	Multi-Yr																				
35	General Piping Replacements	Annual																				
36	2300V Station Service Cable	Annual																				
37	Needle Valve Replacement Program	Multi-Yr																				
38	480V Motor Control Centers	Multi-Yr																				
39	Central Section Firelines	Multi-Yr																				
40	Dam/Powerplant Elevator Controls/ElevatorMotor&Controller Replc	MultiYr-Ann									55,433	73,196	740,000	1,160,000	2,760,000	820,000						
41	AZ/NV Valvehouse Elevators	Multi-Yr																				
42	Flowmeter Record/Monitor Equipment	Multi-Yr																				
43	Pre-88 Expense Water Piping (SCE)	Annual																				
44	Pre-88 Expense A6 Windings (SCE)	Annual																				
45	Temperature Monitoring Equipment	Multi-Yr																				
46	Auto Grease System	Multi-Yr																				
47	AZ Valve House Water Supply	Multi-Yr																				
48	Central Section Sump Pumps	Multi-Yr																				
49	125-250V DC Battery Charge System	Annual																				
50	Fiber Optics Communications	Multi-Yr																				
51	Central Section Ventilation	Ann-Multi																				
52	Station Service Governors	Ann-Multi																				
53	Unit CB's/N1-N7, A1-A2, 1B, 8S	Multi-Yr																				
54	M Distribution Board	Multi-Yr																				
55	150-Ton Cableway Control Boards/Relays	Ann-Multi																				
56	Penstock Tunnels-Lighting System	MultiYr-Ann	1,039,290	417,830			141	110	114													
57	Communications Upgrade	Multi-Yr																				
58	Vacuum Purification Units	Multi-Yr																				
59	Uninterruptible Power Supply	Annual																				
60	4th Floor Unit Controls/NV	Multi-Yr																				
61	4th Floor Unit Controls/AZ	Multi-Yr																				
62	Telephone Switch	Multi-Yr																				
63	Station Service Controls/Relays	Multi-Yr																				
64	Station Service Compressors	Multi-Yr																				
65	Dewater Eductors/Water Pumps	Annual																				
66	Miscellaneous/Minor Equipment	Annual	35	3,082	23																	
67	Sedans/Transportation Equipment (Rolling Stock)	Annual	22,004																			
68	Unscheduled General Project Replacements	Annual		93,104	6,092																	
69	Communications Test Equipment	Annual																				
70	Controls System Test Equipment	Annual																				
72	BC Water System Modifications	Annual																				
73	Breakers/Timing Tester	Annual																				
74	Machine Shop Mill	Multi-Yr																				
75	Roof Drainage System	Annual																				
76	Other Noncontract Replacement Expense	Annual																				
77	Transformer Warranty Work	Multi-Yr																				
78	Generator Coolers	Annual	20,608	133,220	9,151	211,753	30,958	114,227	258,514	244,545	112,932	326,275	416,000	459,000	459,000	481,000	504,000	528,000	579,000	581,000	610,000	639,000
79	Misc NC Expense Paint Shop	Annual																				
80	Air Compressor	Annual																				
81	Power Saw	Annual																				
82	Lathe	Annual																				
83	Fork Lift	Annual																				
84	A9 Seal Rings	Annual																				
85	Auto Synchronizer	Annual																				
86	Butterfly (Rubber) Valves (Seats and Seals (Resealing)	Annual	621,028	41,312		127,158	232,360	211,151	67,522			198										
87	DSWR Warehouse (Western) **	Annual																				
88	Remove & Dispose of Bushings at Hoover 69kV Yard **	Annual			136,587																	
89	Air Compressors Overhaul	Annual				8,054	369,311	223,224	207,201	358	10,295											
90	Batteries - UPS	Annual																				
91	Emergency Compressor Repair	Annual																				
92	Vibration Test/Correct A5/N7	Annual																				
93	Replace Station Service Tie Brkr w/Bus	Annual																				
94	Service Air System Replacement	Annual																				
95	Spare Turbine Seal Rings	Annual	41,052	4,067	284,189	341,254	28,293	170,257	160,355	121,178	251,946											
96	VHF Radios (Western) **	Annual	155	(46)																		
97	Relay Replacements on Hoover-Mead Lines/Digital VaultRecorders **	Annual	50,381	135,762	257,935	272,460	157,203	225,723	283,146	141,504												
98	2300V Conduit & Power Cable (Warehouse) Replc	Annual								0												
99	Replace Wastewater Treatment Facility	Annual								0					170,000	2,900,000						
100	Drum Gate Hinge Pins Replacements	Annual																				
101	Squibs on 17 Generator CO2 Sys	Annual						195,007	55,447	327,022												
102	Station Service 250V Batteries	Annual																				
103	Incline Tunnel Piping	Annual																				
104	Life Safety (Emergency Lighting)	Annual						548														
105	Relay Protection	Annual																				
106	Servo Motor (N7)	Annual																				
107	SF6 Breaker Mods	Annual																				
108	Slot Line Piping Repair	Annual																				
109	Replace/Upgrade Microwave Telemetry System	Annual				835,557	(26,000)	131,825	524,475	37,060	-27,838											
110	Phasor Measurement Unit (PMU) Installation at Mead Substation **	Annual				76,420																
111	Drum Gate Control Valve Replacement	Annual															115,000	620,000				
112	Drum Gate Drain Hose Replacements	Annual								2,270	4,205	336,889										
113	Sump Pump - Lower Nevada	Annual	542,339	770,322	124		1,283															
114	Butterfly Valves Pumps/Bearings Assessment	Annual				17,350				200,400												
115	Drum Gate Seal Replacement	Annual							23,148		13,612											
116	HVAC (8th Floor)	Annual				6,454	190,921	1,515	79													
117	Lower Portal Tunel Lighting refurbishment	Annual				101,976				327												
118	Surge Arresters	Annual																				
119	Wickgate Replacements (Stainless)	Annual	1,387,952	872,390	2,328,799	956,376	1,639,488	262,191	1,188,287	326,176	18,809	127,905	501,000									
120	Station Service Transformers	Annual																				
121	Potable Water/Fire Protection System Upgrade	Annual		138,192	139,937																	
122	Hoover SCADA Upgrade and Plant/Unit Control Modernization	Annual		138,504	2,188,348	4,054,738	2,838,587	1,965,778	256,022	5,453	437											
123	Station Service Pelton Turbine Replacement	Annual							9,292	48,467	670,115	869,693										
124	Electrical Panel replacement	Annual								0	48,133	1,449										
125	Replace 2300 Volt Switchgear (Changed to 480 Volt)	Multi-Year								0												
126	Western Outyear Projects to be defined later **	Annual												400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000
127	Low Head Turbine Runner	Annual				10,838	18,588		1,624,123													
128	Basler (BE1-50BF) Relay Repayments at Mead Substation **	Annual				29,537		9,515	17,262	122,472	17,654											
129	Redundant Hoover Dynamic Signal *	Annual							36,665													
130	JEMIII Meter Replacements **	Annual						39,100	61													
131	Deltec UPS Equipment	Annual								16,023	343,076	76										
132	RTU at Hoover - Western **	Annual									16,834											
133	Wide-Head Range Turbine CFD and Model Study	Annual						1,501,571		1,686,592	1,842,487	2,938,033	2,700,000	1,000,000								
134	Hoover Unit 16.5 KV Generator Breaker	Annual					170,008	65,959	6,249	(755)	13,857	38,023	2,600,000	3,600,000	3,800,000	5,250,000	1,350,000					
135	Microwave Radio	Annual							11,457	302,293												
136	Hand Held & Police Vehicle Radio	Annual							1,126	145,797												
137	Elevator Compensating Ropes	Annual																				
138	PRV Modernization - Overhauls	Annual						768,639	316,530	1,189,830	1,358,559	1,832,571	1,141,000	345,000								
139	Jumper Hardware repairs on Hoover-Mead #6 & #8 **	Annual					696,726		1,615			1,458										
140	Western Intergrated Network/Critical Infrastructure Protection(WIN/CIP) **	Annual					54,394	110,597	1,555	4,292	11,808	4,017										
141	Unit A8 Wide Head Turbine	Annual							30,792	1,213,651	1,829,624	529,185										
142	Unit Station Service Transfer Bus Breakers	Annual						106	64,747	121,202	2,603,098	877										
143	Control Center HVAC	Annual							9,550	10,735	173,194											
144	A2,A4,A7 PRV Modertzation	Annual								373	325,455		1,357,000	1,600,000	2,019,000	801,000						
145	Escalator Replacement	Annual								0			30,000	560,000								
146	Larus 5702 Microwave/Fiber Optic Switches Replacement	Annual								0												
147	Chiller & Control System Replacement	Annual								9,476	342,809	27,934										
148	Hoover-Mead Erosion on T-Lines **	Annual								74,744	478,492	373										
149	MOI Equipment Transfer **	Annual							31,214	(991)												
150	Channel Bank **	Annual								21,765												
151	PRV Draft Tube Mandoor	Annual								103,813	6,971											
152	Facilities Rating Mitigation **	Annual								24,591	268,758	410,858										
153	Drum Gate Repair & Component Replacement	Annual											100,000	1,850,000	2,547,000	2,674,000	2,703,000	1,435,000				
154	Fire Alarm Panel Replacement	Annual										33,805										
155	Transformer Relay Replacements (MED 8) **	Annual											140,000	60,000								
156	Hoover-Mead #1-5 Jumper Replacement **	Annual									-8,876		500,000									
157	Cylinder Gate Stem Evaluation and Replacement	Annual											20,000	80,000	1,600,000							
158	Telephone System Replacement - VOIP	Annual											440,000									
159	480 Volt Switchgear Replacement	Annual										31,816	200,000	2,225,000	2,032,000							
160	Mead BUS CCVT/CT Foundation Replacement **	Annual										1,566	137,500									
Total Replacements Cost Repayable to the U.S. Treasury			4,515,996	3,457,113	8,000,752	7,156,353	6,398,220	6,545,020	5,395,720	6,718,065	11,171,384	7,626,130	11,022,500	13,539,000	15,787,000	13,326,000	5,072,000	2,983,000	979,000	981,000	1,010,000	1,039,000
Total Replacements Cost Reported in PRS (does not include Western's replacements)			4,485,460*	3,081,498*	5,466,304*	6,617,934*	5,485,807*	6,161,066*	5,024,202*	6,329,748*	10,388,694*	8,354,000*	10,245,000*	13,079,000*	15,387,000*	12,926,000*	4,672,000*	2,583,000*	579,000*	581,000*	610,000*	639,000
*Western's Replacements are identified above with **		Reclamation					5,485,807	6,161,066	5,024,202	6,329,748	10,388,698	7,297,858	10,245,000	13,079,000	15,387,000	12,926,000	4,672,000	2,583,000	579,000	581,000	610,000	639,000
		Western					910,323	383,954	371,518	388,317	784,658	418,072	777,500	460,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000
							6,396,220	6,545,020	5,395,720	6,718,065	11,171,354	7,625,130	11,022,500	13,539,000	15,787,000	13,326,000	5,072,000	2,983,000	979,000	981,000	1,010,000	1,039,000

November 2014