Western
Area Power
Administration

Provo River Project
Annual Installment Meeting (FY2019)

DATE: April 24, 2018

CRSP – MC

Salt Lake City, UT

AGENDA

CRSP Management Center

April 24, 2018

1:00 p.m.

Introductions

FY 2017 Summary:

- FY 2017 Generation
- Status of Repayment
- FY 2017 True-Up for FY 2019 Installment Adjustment

Reclamation:

- Five Year Replacements, Additions & Extraordinary Maintenance (RAX) Plan
- FY 2019 Work Plan

WAPA:

- FY 2019 Work Plan
- Capital Investment Repayment Schedules
- FY 2019 Rate Installment
- FY 2020 Projection

Deer Creek Generation by Month

	Month	Gross kWh	Plant kWh	Net kWh
	OCT	1,473,769	15,960	1,457,809
	NOV	656,159	24,720	631,439
	DEC	606,790	28,080	578,710
	JAN	552,699	27,840	494,859
	FEB	482,340	24,480	457,860
FY2016	MAR	535,540	23,040	512,500
	APR	799,229	15,600	783,629
	MAY	3,014,070	13,200	3,000,870
	JUN	2,985,500	8,760	2,976,740
	JUL	3,590,980	8,880	3,582,100
	AUG	3,287,510	8,880	3,278,630
	SEP	2,858,890	10,200	2,848,690
	Annual Total	**20,843,476**	**209,640**	**20,603,836**

	Month	Gross kWh	Plant kWh	Net kWh
	OCT	1,265,599	15,840	1,249,759
	NOV	527,959	24,120	503,839
	DEC	376,859	40,560	336,299
	JAN	843,930	41,160	802,770
	FEB	1,037,670	31,200	1,006,470
FY2017	MAR	1,975,010	24,360	1,950,650
	APR	2,886,940	17,760	2,869,180
	MAY	3,778,910	13,320	3,765,590
	JUN	3,633,980	10,440	3,623,540
	JUL	3,795,600	11,640	3,783,960
	AUG	3,749,730	12,000	3,737,730
	SEP	2,564,920	15,240	2,549,680
	Annual Total	**26,437,107**	**257,640**	**26,179,467**

Historical Generation

Annual Plant Totals

	Gross kWh	Plant kWh	Net kWh
2008	21,203,690	252,960	20,950,730
2009	22,980,659	234,120	22,746,539
2010	25,998,520	226,440	25,772,080
2011	34,157,620	222,720	33,934,900
2012	28,969,444	235,645	28,733,799
2013	18,528,919	252,840	18,276,079
2014	17,800,413	270,840	17,529,573
2015	21,838,328	236,760	21,601,568
2016	20,843,476	209,640	20,603,836
2017	26,437,107	257,640	26,179,467
Lifetime Average	24,886,493	173,216	24,713,277
10 yr Average	23,872,818	239,961	23,632,857
5 yr Average	21,083,649	245,544	20,838,105

FINAL STATUS OF REPAYMENT

PROVO RIVER PROJECT
(Dollars in thousands)

	Cumulative 2016 [1]	Adjustment	Annual 2017 [2]	Cumulative 2017
Revenue:				
Gross Operating Revenue	10,917.985	0.000	431.820	11,349.805
Income transfers (net)	0.000	0.000	0.000	0.000
Total Operating Revenue (**A**)	10,917.985	0.000	431.820	11,349.805
Expenses:				
O & M and other	7,509.092	0.000	208.945	7,718.037
Purchase power and other	203.293	0.000	0.000	203.293
Interest				
Federally financed	964.096	0.000[3]	31.404	995.500
Non-Federally financed	0.000	0.000	0.000	0.000
Total Interest	964.096	0.000	31.404	995.500
Total Expense (**B**)	8,676.481	0.000	240.349	8,916.830
(Deficit)/Surplus revenue (**C**)	279.881	0.000	143.358	423.239
Investment:				
Federally financed power	2,852.579	0.000	0.000	2,852.579
Non-Federally financed power	0.000	0.000	0.000	0.000
Nonpower	191.587	0.000	0.000	191.587
Total Investment (**D**)	3,044.166	0.000	0.000	3,044.166
Investment repaid:				
Federally financed power	1,770.036	0.000	48.113	1,818.149
Non-Federally financed power	0.000	0.000	0.000	0.000
Nonpower	191.587	0.000	0.000	191.587
Total Investment repaid (**E**)	1,961.623	0.000	48.113	2,009.736
Investment unpaid:				
Federally financed power	1,082.543	0.000	(48.113)	1,034.430
Non-Federally financed power	0.000	0.000	0.000	0.000
Nonpower	0.000	0.000	0.000	0.000
Total Investment unpaid (**F**)	1,082.543	0.000	(48.113)	1,034.430

FY2017 Installment True-Up

Revenue: 1/		
Power (should match installment)	$	431,820.00
Adjustment	$	-
Other	$	-
Total	$	431,820.00
Expense: 2/		
O&M	$	208,945.00
Interest	$	31,404.00
Adjustment	$	-
Total	$	240,349.00
Net Available for Repayment	$	191,471.00
Repayment:	$	48,113.00
Net Revenue/(Deficit) 3/	$	143,358.00
FY2016 Status of Repayment	$	279,881.00
FY2017 Status of Repayment	$	423,239.00
Surplus/Deficit in FY2018 Installment	$	-
Unliquidated Obligations (FY2017)	$	107,374.13
Surplus/Deficit to Apply	$	315,864.87

Replacements, Additions, and Extraordinary Maintenance (RAX)

Table No. 1 Powerplant costs. Costs that only benefit the powerplant. 100 percent is reimbursed by power customers.	CAP/EXP	ESTIMATED TOTAL	FISCAL YEAR 2018	FISCAL YEAR 2019	FISCAL YEAR 2020	FISCAL YEAR 2021	FISCAL YEAR 2022	FISCAL YEAR 2023
Resurface Slip Rings to self-cleaning type	E	20,000	10,000	10,000				
Crane load testing (must be done prior to tube valve replacement or the generator rewind which ever comes first)	E	15,000		15,000				
Crane electrical modernization (must be done prior to tube valve replacement and generator rewind)	E	35,000	35,000					
Generator Rewind: Specs/procurement pkg then award	C	50,000			50,000			
Generator Rewind: install	C	2,000,000				1,000,000	1,000,000	
Powerplant Cost Subtotal		**2,120,000**	**45,000**	**25,000**	**50,000**	**1,000,000**	**1,000,000**	**0**
Table No. 2 Dual Benefit Costs Costs that provide a benefit to both the dam and powerplant. Shared 50/50 between power customers and PRWUA.								
Static Exciter: Spec/procurment pkg (internal??)	C	360,000						
Static Exciter: install	C	90,000						
Tube Valve Replacement (50% of $160,000 in 2018, $215,000 in 2019, and $490,000 in 2020)	C	432,500	80,000	107,500	245,000			
Tube Valve Replacement (50% of $242,000 in 2020 and $533,000 in 2021)	C	387,500			121,000	266,500		
Dual Benefit Cost Subtotal		**1,270,000**	**80,000**	**107,500**	**366,000**	**266,500**	**0**	**0**
Total Cost to Power Custsomers		**3,390,000**	**125,000**	**132,500**	**416,000**	**1,266,500**	**1,000,000**	**0**

Replacements, Additions, and Extraordinary Maintenance (RAX)

Table No. 1 Powerplant costs. Costs that only benefit the powerplant. 100 percent is reimbursed by power customers.	CAP/EXP	ESTIMATED TOTAL	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	FISCAL YEAR 2027
Resurface Slip Rings to self-cleaning type	E	20,000				
Crane load testing (must be done prior to tube valve replacement or the generator rewind which ever comes first)	E	15,000				
Crane electrical modernization (must be done prior to tube valve replacement and generator rewind)	E	35,000				
Generator Rewind: Specs/procurement pkg then award	C	50,000				
Generator Rewind: install	C	2,000,000				
Powerplant Cost Subtotal		**2,120,000**	**0**	**0**	**0**	**0**
Table No. 2 Dual Benefit Costs Costs that provide a benefit to both the dam and powerplant. Shared 50/50 between power customers and PRWUA.						
Static Exciter: Spec/procurment pkg (internal??)	C	360,000		360,000		
Static Exciter: install	C	90,000			45,000	45,000
Tube Valve Replacement (50% of $160,000 in 2018, $215,000 in 2019, and $490,000 in 2020)	C	432,500				
Tube Valve Replacement (50% of $242,000 in 2020 and $533,000 in 2021)	C	387,500				
Dual Benefit Cost Subtotal		**1,270,000**	**0**	**360,000**	**45,000**	**45,000**
Total Cost to Power Custsomers		**3,390,000**	**0**	**360,000**	**45,000**	**45,000**

Deer Creek (PRP) Project O&M Expense

RECLAMATION		Installmt Year 2018	Installmt Year 2019	2019 Work Plan Budget 2020	2021	2022	2023	2024
Facilities Operations A40:								
Power Operations:								
Salaries		24,000	24,000	24,720	25,462	26,225	27,012	27,823
Personnel Benefits		7,000	7,000	7,210	7,426	7,649	7,879	8,115
Region Indirect (RIC-OIC)		10,000	10,000	10,300	10,609	10,927	11,255	11,593
Denver Office		0	0	0	0	0	0	0
Travel		2,000	2,000	2,060	2,122	2,185	2,251	2,319
Contracts (O&M contract)		216,000	200,000	275,000	283,250	291,748	300,500	309,515
Other		2,000	7,000	7,210	7,426	7,649	7,879	8,115
Rounding		0	0	0	0	0	0	0
Total Power Operations		259,000	250,000	326,500	336,295	346,384	356,775	367,479
Facility Maint/Rehab A50:								
Bridge Inspection:								
Salaries		0	0	0	0	0	0	0
OIC		0	0	0	0	0	0	0
RIC		0		0	0	0	0	0
Total Bridge Inspection		0	0	0	0	0	0	0
Equipment and Services:								
Salaries		0	0	0	0	0	0	0
Personnel Benefits		0	0	0	0	0	0	0
Region Indirect (RIC)		0	0	0	0	0	0	0
Travel		0	0	0	0	0	0	0
Contract		0	0	0	0	0	0	0
Extra Ordinary		45,000	50,000	10,000	25,000	15,000	30,000	0
Total equipment/services		45,000	50,000	10,000	25,000	15,000	30,000	0
Reliability:								
Salaries								
OIC								
RIC								
Other		0	0					
Total Reliability		0	0	0	0	0	0	0
Total facility maint/rehab		47,000	50,000	10,000	25,000	15,000	30,000	0
Total USBR O&M	$ -	306,000	300,000	336,500	361,295	361,384	386,775	367,479

WAPA Workplan

Deer Creek (PRP) Project O&M Expense

WAPA	Installmt Year 2018	Installmt Year 2019	2020	2019 Work Plan Budget 2021	2022	2023	2024
GWA	1,390						
Power Marketing	8,905	7,507	7,728	7,955	8,189	8,431	8,678
Power Repayment Study	22,788	22,788	22,788	22,788	22,788	19,378	0
Total Western	33,083	30,295	30,516	30,743	30,977	27,809	8,678
USBR O&M	306,000	300,000	336,500	361,295	361,384	386,775	367,479
WAPA O&M	33,083	30,295	30,516	30,743	30,977	27,809	8,678
Total O&M	339,083	330,295	367,016	392,038	392,361	414,584	376,157

Turbine Runner

Turbine Runner **3%** **45 Years**

FY	Incremental Federal Investment	Principal Payments	Total Interest	Grand Total
2016	**$ 1,082,543**			
2017		$ 48,113	$ 31,404	$ 79,518
2018		$ 12,026	$ 30,311	$ 42,337
2019		$ 12,386	$ 30,492	$ 42,878
2020		$ 12,758	$ 30,115	$ 42,873
2021		$ 13,141	$ 29,726	$ 42,867
2022		$ 13,535	$ 29,326	$ 42,861
2023		$ 13,941	$ 28,914	$ 42,856
2024		$ 14,359	$ 28,490	$ 42,849
2025		$ 14,790	$ 28,053	$ 42,843
2026		$ 15,234	$ 27,603	$ 42,837
2027		$ 15,691	$ 27,139	$ 42,830
2028		$ 16,162	$ 26,662	$ 42,823
2060		$ 41,617	$ 835	$ 42,453
2061		$ 6,428	$ (431)	$ 5,996
2070		$ -		$ -
Grand Total		**$ 1,082,543**	**$ 838,972**	**$ 1,921,516**

Bypass Valves

Valve Replacements **3%** **45 Years**

FY	Incremental Federal Investment	Principal Payments	Total Interest	Total Payment
2017	$ -			$ -
2018	$ 80,000			$ -
2019	$ 107,500	$ 863	$ 2,400	$ 3,263
2020	$ 366,000	$ 2,048	$ 5,586	$ 7,634
2021	$ 266,500	$ 6,057	$ 16,487	$ 22,544
2022		$ 9,113	$ 24,240	$ 33,353
2023		$ 9,386	$ 23,921	$ 33,307
2024		$ 9,668	$ 23,635	$ 33,303
2025		$ 9,958	$ 23,341	$ 33,299
2026		$ 10,257	$ 23,038	$ 33,295
2027		$ 10,564	$ 22,726	$ 33,290
2028		$ 10,881	$ 22,404	$ 33,285
2065		$ 24,738	$ 635	$ 25,373
2066		$ 10,553	$ (54)	$ 10,499
2070		$ -		$ -
Grand Total	**$ 820,000**	**$ 820,001**	**$ 672,834**	**$ 1,492,835**

Generator Rewind

Generator Rewind **3%** **45 Years**

FY	Incremental Federal Investment	Principal Payments	Total Interest	Total Payment
2018			$ -	$ -
2019			$ -	$ -
2020	$ 50,000		$ -	$ -
2021	$ 1,000,000	$ 539	$ 1,500	$ 2,039
2022	$ 1,000,000	$ 11,341	$ 31,476	$ 42,817
2023		$ 22,466	$ 60,973	$ 83,439
2024		$ 23,140	$ 60,133	$ 83,273
2025		$ 23,834	$ 59,428	$ 83,262
2026		$ 24,549	$ 58,703	$ 83,252
2027		$ 25,286	$ 57,956	$ 83,242
2028		$ 26,044	$ 57,186	$ 83,230
2066		$ 78,041	$ 2,363	$ 80,404
2067		$ 39,597	$ 17	$ 39,614
2070		$ -	$ -	$ -
Grand Total	**$ 2,050,000**	**$ 2,049,998**	**$ 1,682,279**	**$ 3,732,277**

Static Exciters

Static Exciters **3%** **35 Years**

FY	Incremental Federal Investment	Principal Payments	Total Interest	Total Payment
2023		$ -	$ -	$ -
2024		$ -	$ -	$ -
2025	$ 360,000	$ -	$ -	$ -
2026	$ 45,000	$ 5,954	$ 10,800	$ 16,754
2027	$ 45,000	$ 6,877	$ 11,882	$ 18,759
2028		$ 7,828	$ 13,012	$ 20,840
2061		$ 4,007	$ (121)	$ 3,886
2062		$ 2,033	$ 1	$ 2,034
2070		$ -		$ -
Grand Total	**$ 450,000**	**$ 449,999**	**$ 276,275**	**$ 726,274**

Cumulative Investments

Cumulative Totals

FY	Incremental Federal Investment	Principal Payments	Total Interest	Total Payment
2016	$ 1,082,543	$ -	$ -	$ -
2017	$ -	$ 48,113	$ 31,404	$ 79,518
2018	$ 80,000	$ 12,026	$ 30,311	$ 42,337
2019	$ 107,500	$ 13,249	$ 32,892	$ 46,141
2020	$ 416,000	$ 14,806	$ 35,701	$ 50,507
2021	$ 1,266,500	$ 19,737	$ 47,713	$ 67,450
2022	$ 1,000,000	$ 33,989	$ 85,042	$ 119,031
2023	$ -	$ 45,793	$ 113,808	$ 159,602
2024	$ -	$ 47,167	$ 112,258	$ 159,425
2025	$ 360,000	$ 48,582	$ 110,822	$ 159,404
2026	$ 45,000	$ 55,994	$ 120,144	$ 176,138
2027	$ 45,000	$ 58,418	$ 119,703	$ 178,121
2028	$ -	$ 60,915	$ 119,264	$ 180,178
2066	$ -	$ 88,594	$ 2,309	$ 90,903
2067	$ -	$ 39,597	$ 17	$ 39,614
2070	$ -	$ -	$ -	$ -
Grand Total	**$ 4,402,543**	**$ 4,402,541**	**$ 3,470,360**	**$ 7,872,902**

Turbine Runner	**$ 1,082,543**	**$ 1,082,543**	**$ 838,972**	**$ 1,921,516**
Generator Rewind	**$ 2,050,000**	**$ 2,049,998**	**$ 1,682,279**	**$ 3,732,277**
Valve Replacements	**$ 820,000**	**$ 820,001**	**$ 672,834**	**$ 1,492,835**
Static Exciters	**$ 450,000**	**$ 449,999**	**$ 276,275**	**$ 726,274**
	$ 4,402,543	**$ 4,402,541**	**$ 3,470,360**	**$ 7,872,902**

FY 2019 Installment

Comparison of Deer Creek (PRP) Rate Installment

Installment Calculation Components		FY 2019	Current Installment Calculation Components		FY 2018
WAPA			**WAPA**		
GWA	$	-	GWA	$	1,390.00
Power Billing	$	-	Power Billing		
Marketing	$	30,295.00	Marketing	$	31,692.00
Operations	$	-	Operations	$	-
Total	$	30,295.00	Total	$	33,082.00
Reclamation			**Reclamation**		
Salaries	$	24,000.00	Salaries	$	9,000.00
Benefits	$	3,000.00	Benefits	$	3,000.00
RIC - OIC	$	14,000.00	RIC - OIC	$	4,000.00
Contracts	$	200,000.00	Contracts	$	240,000.00
Other	$	7,000.00	Other	$	2,000.00
Travel	$	2,000.00	Travel	$	1,000.00
EO&M	$	50,000.00	EO&M	$	47,000.00
Total	$	300,000.00	Total	$	306,000.00
Total O&M	$	330,295.00	Total O&M	$	339,082.00
Principal Payment	$	13,249.45	Principal Payment	$	24,056.51
Interest	$	32,891.74	Interest	$	31,032.87
Adjustment for 2017 actuals	$	(315,864.87)	Adjustment for 2016 actuals	$	-
Subtotal	**$**	**60,571.32**	Subtotal	**$**	**394,171.38**

FY 2019 Installment

2019

O&M&R Expense	Annual	Per Month
UMPA @ 70%	$ 42,399.92	$ 3,533.33
UAMPS @ 24 %	$ 14,537.12	$ 1,211.43
Heber @ 6%	$ 3,634.28	$ 302.86
	$ 60,571.32	

Wheeling Expense	Annual	Per Month
UMPA @ 70%	$ 20,851.60	$ 1,737.63
UAMPS @ 24 %	$ 7,149.12	$ 595.76
Heber @ 6%	$ 1,787.28	$ 148.94
	$ 29,788.00	

Total FY 2019 Expense	Annual	Per Month
UMPA @ 70%	$ 63,251.52	$ 5,270.96
UAMPS @ 24 %	$ 21,686.24	$ 1,807.19
Heber @ 6%	$ 5,421.56	$ 451.80
	$ 90,359.32	

2018

O&M&R Expense	Annual	Per Month
UMPA @ 70%	$ 275,919.97	$ 22,993.33
UAMPS @ 24 %	$ 94,601.13	$ 7,883.43
Heber @ 6%	$ 23,650.28	$ 1,970.86
	$ 394,171.38	

Wheeling Expense	Annual	Per Month
UMPA @ 70%	$ 20,851.60	$ 1,737.63
UAMPS @ 24 %	$ 7,149.12	$ 595.76
Heber @ 6%	$ 1,787.28	$ 148.94
	$ 29,788.00	

Total FY 2018 Expense	Annual	Per Month
UMPA @ 70%	$ 296,771.57	$ 24,730.96
UAMPS @ 24 %	$ 101,750.25	$ 8,479.19
Heber @ 6%	$ 25,437.56	$ 2,119.80
	$ 423,959.38	

FY 2019 Installment

Comparison of Deer Creek (PRP) Rate Installment

Installment Calculation

Components		FY 2019
WAPA		
GWA	$	-
Power Billing	$	-
Marketing	$	30,295.00
Operations	$	-
Total	$	30,295.00
Reclamation		
Salaries	$	24,000.00
Benefits	$	7,000.00
RIC - OIC	$	10,000.00
Contracts	$	200,000.00
Other	$	7,000.00
Travel	$	2,000.00
EO&M	$	50,000.00
Total	$	300,000.00
Total O&M	$	330,295.00
Principal Payment	$	13,249.45
Interest	$	32,891.74
Adjustment for 2017 actuals	$	-
Subtotal	**$**	**376,436.19**

Current Installment Calculation

Components		FY 2018
WAPA		
GWA	$	1,390.00
Power Billing		
Marketing	$	31,692.00
Operations	$	-
Total	$	33,082.00
Reclamation		
Salaries	$	9,000.00
Benefits	$	3,000.00
RIC - OIC	$	4,000.00
Contracts	$	240,000.00
Other	$	2,000.00
Travel	$	1,000.00
EO&M	$	47,000.00
Total	$	306,000.00
Total O&M	$	339,082.00
Principal Payment	$	24,056.51
Interest	$	31,032.87
Adjustment for 2016 actuals	$	-
Subtotal	**$**	**394,171.38**

FY 2019 Installment

2019

O&M&R Expense	Annual	Per Month
UMPA @ 70%	$ 263,505.33	$ 21,958.78
UAMPS @ 24 %	$ 90,344.69	$ 7,528.72
Heber @ 6%	$ 22,586.17	$ 1,882.18
	$ 376,436.19	

Wheeling Expense	Annual	Per Month
UMPA @ 70%	$ 20,851.60	$ 1,737.63
UAMPS @ 24 %	$ 7,149.12	$ 595.76
Heber @ 6%	$ 1,787.28	$ 148.94
	$ 29,788.00	

Total FY 2019 Expense	Annual	Per Month
UMPA @ 70%	$ 284,356.93	$ 23,696.41
UAMPS @ 24 %	$ 97,493.81	$ 8,124.48
Heber @ 6%	$ 24,373.45	$ 2,031.12
	$ 406,224.19	

2018

O&M&R Expense	Annual	Per Month
UMPA @ 70%	$ 275,919.97	$ 22,993.33
UAMPS @ 24 %	$ 94,601.13	$ 7,883.43
Heber @ 6%	$ 23,650.28	$ 1,970.86
	$ 394,171.38	

Wheeling Expense	Annual	Per Month
UMPA @ 70%	$ 20,851.60	$ 1,737.63
UAMPS @ 24 %	$ 7,149.12	$ 595.76
Heber @ 6%	$ 1,787.28	$ 148.94
	$ 29,788.00	

Total FY 2018 Expense	Annual	Per Month
UMPA @ 70%	$ 296,771.57	$ 24,730.96
UAMPS @ 24 %	$ 101,750.25	$ 8,479.19
Heber @ 6%	$ 25,437.56	$ 2,119.80
	$ 423,959.38	

FY 2020 Projection

Comparison of Deer Creek (PRP) Rate Installment

Installment Calculation			Current Installment Calculation		
Components		**FY 2020**	**Components**		**FY 2019**
WAPA			**WAPA**		
GWA	$	-	GWA	$	-
Power Billing			Power Billing	$	-
Marketing	$	30,515.76	Marketing	$	30,295.00
Operations	$	-	Operations	$	-
Total	$	30,515.76	Total	$	30,295.00
Reclamation			**Reclamation**	$	-
Salaries	$	24,720.00	Salaries	$	24,000.00
Benefits	$	7,210.00	Benefits	$	7,000.00
RIC - OIC	$	10,300.00	RIC - OIC	$	10,000.00
Contracts	$	275,000.00	Contracts	$	200,000.00
Other	$	7,210.00	Other	$	7,000.00
Travel	$	2,060.00	Travel	$	2,000.00
EO&M	$	10,000.00	EO&M	$	50,000.00
Total	$	336,500.00	Total	$	300,000.00
Total O&M	$	367,015.76	Total O&M	$	330,295.00
Principal Payment	$	14,806.05	Principal Payment	$	13,249.45
Interest	$	35,700.73	Interest	$	32,891.74
Adjustment for 2018 actuals	$	-	Adjustment for 2017 actuals	$	-
Subtotal	**$**	**417,522.54**	Subtotal	**$**	**376,436.19**

FY 2020 Projection

2020

O&M&R Expense	Annual	Per Month
UMPA @ 70%	$ 292,265.78	$ 24,355.48
UAMPS @ 24 %	$ 100,205.41	$ 8,350.45
Heber @ 6%	$ 25,051.35	$ 2,087.61
	$ 417,522.54	

Wheeling Expense	Annual	Per Month
UMPA @ 70%	$ 20,851.60	$ 1,737.63
UAMPS @ 24 %	$ 7,149.12	$ 595.76
Heber @ 6%	$ 1,787.28	$ 148.94
	$ 29,788.00	

Total FY 2018 Expense	Annual	Per Month
UMPA @ 70%	$ 313,117.38	$ 26,093.11
UAMPS @ 24 %	$ 107,354.53	$ 8,946.21
Heber @ 6%	$ 26,838.63	$ 2,236.55
	$ 447,310.54	

2019

O&M&R Expense	Annual	Per Month
UMPA @ 70%	$ 263,505.33	$ 21,958.78
UAMPS @ 24 %	$ 90,344.69	$ 7,528.72
Heber @ 6%	$ 22,586.17	$ 1,882.18
	$ 376,436.19	

Wheeling Expense	Annual	Per Month
UMPA @ 70%	$ 20,851.60	$ 1,737.63
UAMPS @ 24 %	$ 7,149.12	$ 595.76
Heber @ 6%	$ 1,787.28	$ 148.94
	$ 29,788.00	

Total FY 2019 Expense	Annual	Per Month
UMPA @ 70%	$ 284,356.93	$ 23,696.41
UAMPS @ 24 %	$ 97,493.81	$ 8,124.48
Heber @ 6%	$ 24,373.45	$ 2,031.12
	$ 406,224.19	

Questions

&

Follow up Review

Reclamation

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