

For Webex Participants

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Western
Area Power
Administration

Fiscal Year 2022 Work Plan Meeting

July 9, 2020

Intertie and Parker-Davis
Projects



Agenda

- Welcome
- Work Plan Meeting Schedule
- Fiscal Year (FY)22 Work Plan Introduction
- HQ FY22 Work Plan
- DSW FY20 Budget vs Actual
- DSW FY22 Work Plan and Rate Analysis
- Cash Flow and Reserve Balances



Work Plan Meeting Schedule

- FY22 Work Plan Meeting (Today)
 - FY17-19 Actuals
 - FY20-21 Budget Requests
 - FY22 Formulated Work Plan
 - FY23-26 Out Years Work Plan
- FY20 Budget vs Actual Meeting (Dec 2020)
 - FY20 Final Budget vs Actual
 - FY23 Strategic Budget Guidance
 - FY23 New FTE Requested





Western
Area Power
Administration

FY 2022 Work Plan Meeting

John Fileccia

July 9, 2020

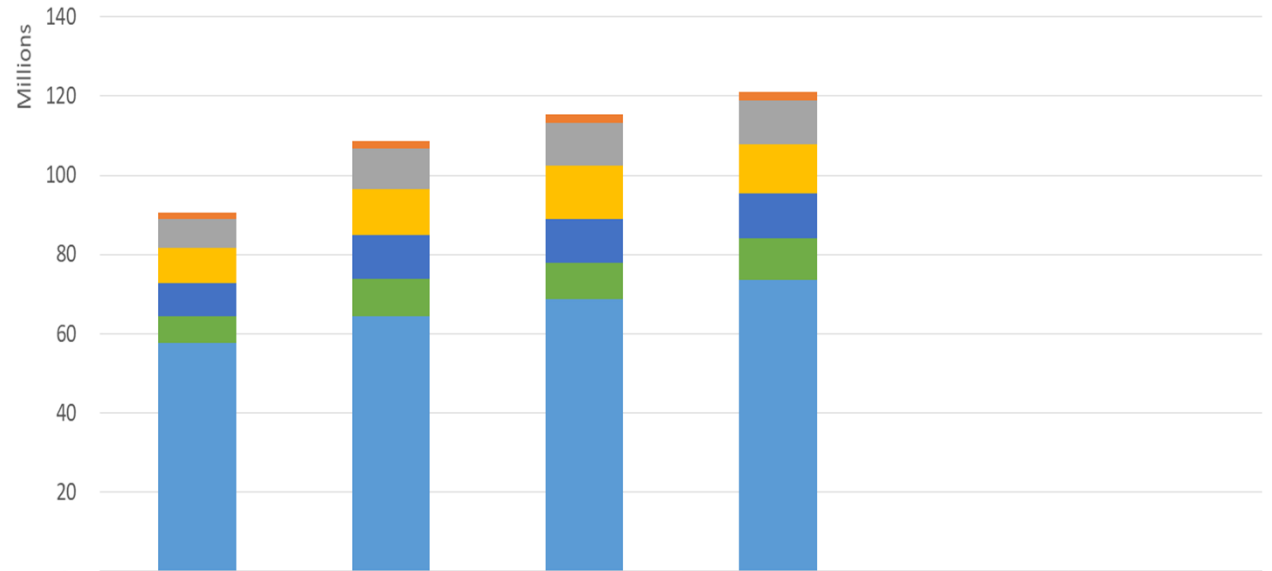


FY22 Budget Request

Summary

- \$3.2M (2.6%) increase over inflation vs. FY2021 request
 - Pay/benefits +\$0.2M
 - Labor shift +\$3.0M
- Labor shifts
 - Capital to expense for IT
 - Non-rate to O&M and capital for Engineering / Natural Resources
 - General alignment with FY19 execution

HQ Indirect and Direct Expenses
for Rate Setting Systems
(Excludes Burden)



	5-Yr Average Execution	FY2019 Execution	FY2021 Request	FY2022 Request	+/- 2% Threshold (\$)	% of Variance
CRSP	1,413,000	1,769,000	2,153,000	2,253,048	56,988	5%
DSW	7,318,000	10,266,000	10,997,000	11,113,539	(103,401)	1%
RMR	8,939,000	11,692,000	13,512,000	12,406,280	(1,375,960)	-8%
SNR	8,545,000	11,234,000	10,977,000	11,308,823	112,283	3%
UGP	6,596,000	9,418,000	9,250,000	10,453,397	1,018,397	13%
HQ	57,636,000	64,270,000	68,625,000	73,540,212	3,542,712	7%
Total Regions	90,447,000	108,649,000	115,514,000	121,075,299	3,251,019	5%



WAPA-HQ Handouts – Total WAPA-HQ

Power System	Cost Type	Organization	FY17 Actuals	FY18 Actuals	FY19 Actuals	FY20 Work Plan	FY21 Work Plan	FY22 Work Plan	FY21/FY22 \$	FY21/FY22 %
WAPA-HQ										
	Indirect	A0 Administrative	\$ 6,468,174	\$ 8,003,152	\$ 7,017,168	\$ 8,826,888	\$ 8,491,644	\$ 8,814,393	\$ 322,749	4%
		A2 OCIO	\$ 20,578,705	\$ 22,976,866	\$ 23,227,953	\$ 24,317,676	\$ 24,467,938	\$ 26,843,657	\$ 2,375,719	10%
		A7 OCOO	\$ 24,611,682	\$ 24,089,371	\$ 15,678,463	\$ 25,943,717	\$ 15,325,511	\$ 16,572,902	\$ 1,247,391	8%
		A8 OCFO	\$ 6,869,637	\$ 6,741,825	\$ 6,739,347	\$ 6,615,970	\$ 7,107,162	\$ 7,308,533	\$ 201,371	3%
		A9 OCAO	\$ -	\$ -	\$ 11,207,503	\$ -	\$ 13,232,648	\$ 14,000,726	\$ 768,078	6%
		Total Indirect	\$ 58,528,198	\$ 61,811,214	\$ 63,870,434	\$ 65,704,251	\$ 68,624,903	\$ 73,540,212	\$ 4,915,309	7%
	Expense	A0 Administrative	\$ -	\$ -	\$ -	\$ 1,500	\$ 1,500	\$ 1,500	\$ -	0%
		A7 OCOO	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	n/a
		Total Expense	\$ -	\$ -	\$ -	\$ 1,500	\$ 1,500	\$ 1,500	\$ -	0%
	Capital	A2 OCIO	\$ 8,024,169	\$ 4,354,668	\$ 6,384,222	\$ 5,705,751	\$ 7,399,287	\$ 5,482,500	\$ (1,916,787)	-26%
		A7 OCOO	\$ 626,239	\$ 2,935,671	\$ 244,049	\$ 300,000	\$ 650,000	\$ 3,450,000	\$ 2,800,000	431%
		A8 OCFO	\$ (72,584)	\$ 92,168	\$ 142,138	\$ 392,307	\$ -	\$ -	\$ -	n/a
		Total Capital	\$ 8,577,824	\$ 7,382,507	\$ 6,770,409	\$ 6,398,058	\$ 8,049,287	\$ 8,932,500	\$ 883,213	11%
	Direct	Indirect (Direct Allocation)	\$ 19,885,523	\$ 20,935,302	\$ 18,777,734	\$ 22,398,657	\$ 22,536,818	\$ 21,979,854	\$ (556,964)	-2%
		Expense	\$ 14,235,076	\$ 19,720,678	\$ 24,091,982	\$ 23,542,463	\$ 24,351,371	\$ 25,555,232	\$ 1,203,861	5%
		Capital	\$ 6,742,853	\$ 6,318,253	\$ 6,890,211	\$ 10,878,158	\$ 10,727,383	\$ 11,166,500	\$ 439,117	4%
		Total Direct	\$ 40,863,452	\$ 46,974,233	\$ 49,759,928	\$ 56,819,278	\$ 57,615,572	\$ 58,701,586	\$ 1,086,014	2%
		Total WAPA-HQ	\$ 107,969,474	\$ 116,167,954	\$ 120,400,770	\$ 128,923,087	\$ 134,291,262	\$ 141,175,798	\$ 6,884,536	5%



WAPA-HQ Handouts – DSW Indirect

Power System	Cost Type	Organization	FY17 Actuals	FY18 Actuals	FY19 Actuals	FY20 Work Plan	FY21 Work Plan	FY22 Work Plan	FY21/FY22 \$	FY21/FY22 %
DSW - Indirect										
	Indirect	A0 Administrative	\$ 185,899	\$ 249,141	\$ 246,712	\$ 343,466	\$ 199,438	\$ 198,377	\$ (1,061)	-1%
		A2 OCIO	\$ 3,976,122	\$ 4,382,489	\$ 3,870,875	\$ 4,471,916	\$ 4,141,899	\$ 4,185,398	\$ 43,499	1%
		A7 OCOO	\$ 360,186	\$ 310,805	\$ 285,392	\$ 466,296	\$ 762,680	\$ 798,648	\$ 35,968	5%
		A8 OCFO	\$ 98,495	\$ 94,337	\$ 137,608	\$ 275,014	\$ 232,466	\$ 228,811	\$ (3,655)	-2%
		A9 OCAO	\$ -	\$ -	\$ 233,330	\$ -	\$ 384,992	\$ 391,029	\$ 6,037	2%
		Total Indirect	\$ 4,620,702	\$ 5,036,772	\$ 4,773,918	\$ 5,556,692	\$ 5,721,475	\$ 5,802,263	\$ 80,788	1%
		Total DSW-Indirect	\$ 4,620,702	\$ 5,036,772	\$ 4,773,918	\$ 5,556,692	\$ 5,721,475	\$ 5,802,263	\$ 80,788	1%



WAPA-HQ Handouts – Parker-Davis

Power System	Cost Type	Organization	FY17 Actuals	FY18 Actuals	FY19 Actuals	FY20 Work Plan	FY21 Work Plan	FY22 Work Plan	FY21/FY22 \$	FY21/FY22 %
Parker-Davis										
	Expense	A0 Administrative	\$ (7,508)	\$ 57,630	\$ 27,682	\$ 80,541	\$ 92,320	\$ 76,786	\$ (15,534)	-17%
		A2 OCIO	\$ 1,088,626	\$ 1,174,263	\$ 1,607,010	\$ 2,581,984	\$ 1,688,892	\$ 1,716,178	\$ 27,286	2%
		A7 OCOO	\$ 600,693	\$ 562,390	\$ 711,346	\$ 717,568	\$ 617,097	\$ 738,075	\$ 120,978	20%
		A8 OCFO	\$ 38,428	\$ 38,299	\$ 24,818	\$ -	\$ -	\$ -	\$ -	n/a
		A9 OCAO	\$ -	\$ -	\$ 128,591	\$ -	\$ 478,230	\$ -	\$ (478,230)	-100%
		Total Expense	\$ 1,720,239	\$ 1,832,582	\$ 2,499,447	\$ 3,380,093	\$ 2,876,539	\$ 2,531,039	\$ (345,500)	-12%
	Capital	A0 Administrative	\$ 94,238	\$ 518	\$ -	\$ -	\$ -	\$ -	\$ -	n/a
		A2 OCIO	\$ 641,244	\$ 495,728	\$ 749,331	\$ 1,673,556	\$ 2,238,941	\$ 1,555,094	\$ (683,847)	-31%
		A7 OCOO	\$ 622,061	\$ 605,785	\$ 231,490	\$ 32,132	\$ 14,744	\$ 374,900	\$ 360,156	2443%
		A8 OCFO	\$ 54	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	n/a
		A9 OCAO	\$ -	\$ -	\$ 13,495	\$ -	\$ -	\$ 358,814	\$ 358,814	n/a
		Total Capital	\$ 1,357,597	\$ 1,102,031	\$ 994,316	\$ 1,705,688	\$ 2,253,685	\$ 2,288,808	\$ 35,123	2%
		Total Parker-Davis	\$ 3,077,836	\$ 2,934,613	\$ 3,493,763	\$ 5,085,781	\$ 5,130,224	\$ 4,819,848	\$ (310,376)	-6%



WAPA-HQ Handouts – Intertie

Power System	Cost Type	Organization	FY17 Actuals	FY18 Actuals	FY19 Actuals	FY20 Work Plan	FY21 Work Plan	FY22 Work Plan	FY21/FY22 \$	FY21/FY22 %
Intertie										
	Expense	A0 Administrative	\$ 1,218	\$ 16,492	\$ 12,422	\$ 51,566	\$ 55,138	\$ 51,191	\$ (3,947)	-7%
		A2 OCIO	\$ 144,368	\$ 155,996	\$ 278,516	\$ 94,173	\$ 276,853	\$ 295,305	\$ 18,452	7%
		A7 OCOO	\$ 106,858	\$ 141,731	\$ 256,190	\$ 53,278	\$ 703,044	\$ 872,158	\$ 169,114	24%
		A8 OCFO	\$ 10,636	\$ 11,755	\$ 7,757	\$ -	\$ -	\$ -	\$ -	n/a
		A9 OCAO	\$ -	\$ -	\$ 5,995	\$ -	\$ -	\$ -	\$ -	n/a
		Total Expense	\$ 263,080	\$ 325,974	\$ 560,881	\$ 199,017	\$ 1,035,035	\$ 1,218,654	\$ 183,619	18%
	Capital	A0 Administrative	\$ 4,481	\$ 22,853	\$ 23,826	\$ -	\$ -	\$ -	\$ -	n/a
		A2 OCIO	\$ 3,959	\$ 6,356	\$ -	\$ -	\$ -	\$ -	\$ -	n/a
		A7 OCOO	\$ 129,800	\$ 158,096	\$ 170,333	\$ -	\$ 18,786	\$ 32,602	\$ 13,816	74%
		A9 OCAO	\$ -	\$ -	\$ 5,031	\$ -	\$ 14,977	\$ -	\$ (14,977)	-100%
		Total Capital	\$ 138,240	\$ 187,305	\$ 199,190	\$ -	\$ 33,763	\$ 32,602	\$ (1,161)	-3%
		Total Intertie	\$ 401,320	\$ 513,279	\$ 760,072	\$ 199,017	\$ 1,068,798	\$ 1,251,256	\$ 182,458	17%





Western
Area Power
Administration

FY20 Budget vs Actual

Jennifer Hultsch

July 9, 2020

Intertie and Parker-Davis
Projects



Parker-Davis Project O&M

Budget Activity	Description	FY20 Revaliated Budget	FY20 Actuals (5/31/2020)	Balance	FY20 Execution %
Maintenance					
ADMSM *	Admin Maintenance Support	\$ 1,888,186.18	\$ 978,001.58	\$ 910,184.60	52%
COMMM	Communication & Control	\$ 1,392,399.16	\$ 784,205.19	\$ 608,193.97	56%
ENVTM *	Environmental	\$ 390,376.36	\$ 512,807.61	\$ (122,431.25)	131%
LINCM	Lines, Direct Hrs, No Specific Job	\$ 1,335,273.70	\$ 1,148,944.86	\$ 186,328.84	86%
LINSM	O&M of Trans Lines	\$ 6,745,210.27	\$ 3,008,328.79	\$ 3,736,881.48	45%
STUDM	Transmission / Engineering Studies	\$ 2,106,497.32	\$ 2,461,052.56	\$ (354,555.24)	117%
SUBCM	Subs, Direct Hrs, No Specific Job	\$ 3,891,977.06	\$ 1,882,510.43	\$ 2,009,466.63	48%
SUBSM *	O&M of Subs & Related Facilities	\$ 4,971,412.63	\$ 2,003,448.35	\$ 2,967,964.28	40%
	Total Maintenance	\$ 22,721,332.68	\$ 12,779,299.37	\$ 9,942,033.31	56%
Non-Maintenance					
BILLM	Power Billing	\$ 1,438,863.68	\$ 275,561.25	\$ 1,163,302.43	19%
CAREM	Conserv & Renew Energy	\$ 117,217.58	\$ 57,160.26	\$ 60,057.32	49%
FINAM	Financial Management	\$ 278,379.89	\$ 176,695.37	\$ 101,684.52	63%
MRKTM	Power Marketing	\$ 3,808,281.29	\$ 1,978,814.01	\$ 1,829,467.28	52%
SAFEM	Safety & Security	\$ 899,601.80	\$ 287,565.32	\$ 612,036.48	32%
SOLDM	Sys Ops & Load Dispatch	\$ 7,801,474.11	\$ 4,511,459.97	\$ 3,290,014.14	58%
SVCFM	DSWR Service Facility Clearing	\$ 1,310,792.07	\$ -	\$ 1,310,792.07	0%
	Total Non-Maintenance	\$ 15,654,610.42	\$ 7,287,256.18	\$ 8,367,354.24	47%
	Subtotal O&M	\$ 38,375,943.10	\$ 20,066,555.55	\$ 18,309,387.55	52%

* ADMSM and ENVTM not previously broken out from SUBSM, consolidated execution is 48%



Parker-Davis Project Capital and Purchase Power

Budget Activity	Description	FY20 Revalidated Budget	FY20 Actuals (5/31/2020)	Balance	FY20 Execution %
Capital O&M (RRADs)					
COMMB	Replace Comm & Control Equip	\$ 504,999.99	\$ 1,283,859.89	\$ (778,859.90)	254%
LINSB	Transmission Lines	\$ 2,520,000.00	\$ 2,131,174.77	\$ 388,825.23	85%
MOVPB	Movable Property	\$ 3,435,000.00	\$ 1,777,958.47	\$ 1,657,041.53	52%
SUBSB	Replace Substation Equip	\$ 4,981,728.36	\$ 3,131,853.63	\$ 1,849,874.73	63%
	Subtotal Capital O&M (RRADs)	\$ 11,441,728.35	\$ 8,324,846.76	\$ 3,116,881.59	73%
Construction					
Appropriated	Multiple Projects	\$ 5,053,000.00	\$ 1,947,439.83	\$ 3,105,560.17	39%
Prepayment	Multiple Projects	\$ 2,409,000.00	\$ 2,388,901.25	\$ 20,098.75	99%
	Subtotal Construction	\$ 7,462,000.00	\$ 4,336,341.08	\$ 3,125,658.92	58%
Purchase Power & Wheeling (PPW)					
PPW	Purchased Power & Wheeling	\$ 10,000,000.00	\$ 9,085,807.11	\$ 914,192.89	91%
	Subtotal PPW	\$ 10,000,000.00	\$ 9,085,807.11	\$ 914,192.89	91%
	Grand Total	\$ 67,279,671.45	\$ 41,813,550.50	\$ 25,466,120.95	62%

67% of year complete



Intertie Project O&M

Budget Activity	Description	FY20 Revaliated Budget	FY20 Actuals (5/31/2020)	Balance	FY20 Execution %
Maintenance					
ADMSM *	Admin Maintenance Support	\$ 463,592.28	\$ 278,240.91	\$ 185,351.37	60%
COMMM	Communication & Control	\$ 298,429.47	\$ 210,522.55	\$ 87,906.92	71%
ENVTM *	Environmental	\$ 159,618.77	\$ 141,990.83	\$ 17,627.94	89%
LINCM	Lines, Direct Hrs, No Specific Job	\$ 140,698.27	\$ 108,317.22	\$ 32,381.05	77%
LINSM	O&M of Trans Lines	\$ 237,102.36	\$ 65,121.09	\$ 171,981.27	27%
STUDM	Transmission / Engineering Studies	\$ 516,247.65	\$ 442,590.49	\$ 73,657.16	86%
SUBCM	Subs, Direct Hrs, No Specific Job	\$ 1,537,553.78	\$ 1,371,516.82	\$ 166,036.96	89%
SUBSM *	O&M of Subs & Related Facilities	\$ 2,364,160.36	\$ 1,705,180.55	\$ 658,979.81	72%
	Total Maintenance	\$ 5,717,402.94	\$ 4,323,480.46	\$ 1,393,922.48	76%
Non-Maintenance					
BILLM	Power Billing	\$ 167,896.35	\$ 40,599.84	\$ 127,296.51	24%
FINAM	Financial Management	\$ 138,999.56	\$ 60,832.54	\$ 78,167.02	44%
MRKTM	Power Marketing	\$ 1,208,486.90	\$ 857,619.76	\$ 350,867.14	71%
SAFEM	Safety & Security	\$ 152,231.97	\$ 88,926.34	\$ 63,305.63	58%
SOLDM	Sys Ops & Load Dispatch	\$ 778,671.06	\$ 484,992.78	\$ 293,678.28	62%
SOLWM	Mead-Phoenix O&M	\$ 1,502,513.53	\$ 1,506,554.80	\$ (4,041.27)	100%
SVCFM	DSWR Service Facility Clearing	\$ 307,034.61	\$ -	\$ 307,034.61	0%
	Total Non-Maintenance	\$ 4,255,833.98	\$ 3,039,526.06	\$ 1,216,307.92	71%
	Subtotal O&M	\$ 9,973,236.92	\$ 7,363,006.52	\$ 2,610,230.40	74%

* ADMSM and ENVTM not previously broken out from SUBSM, consolidated execution is 71%

67% of year complete



Intertie Project Capital and PPW

Budget Activity	Description	FY20 Revalidated Budget	FY20 Actuals (5/31/2020)	Balance	FY20 Execution %
Capital O&M (RRADs)					
LINSB	Transmission Lines	\$ 1,020,000.00	\$ 300,000.00	\$ 720,000.00	29%
MOVVPB	Movable Property	\$ 200,000.00	\$ 30,944.00	\$ 169,056.00	15%
SUBSB	Replace Substation Equip	\$ 1,015,000.00	\$ 543,586.48	\$ 471,413.52	54%
	Subtotal Capital O&M (RRADs)	\$ 2,235,000.00	\$ 874,530.48	\$ 1,360,469.52	39%
Construction					
Appropriated	Multiple Projects	\$ -	\$ 202,818.92	\$ (202,818.92)	N/A
Prepayment	Multiple Projects	\$ 1,598,000.00	\$ 879,862.92	\$ 718,137.08	55%
	Subtotal Construction	\$ 1,598,000.00	\$ 1,082,681.84	\$ 515,318.16	68%
PPW					
PPW	Purchased Power & Wheeling	\$ 4,000,000.00	\$ 2,271,655.63	\$ 1,728,344.37	57%
	Subtotal PPW	\$ 4,000,000.00	\$ 2,271,655.63	\$ 1,728,344.37	57%
	Grand Total	\$ 17,806,236.92	\$ 11,591,874.47	\$ 6,214,362.45	65%

67% of year complete





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FY22 Work Plan

Jennifer Hultsch

July 9, 2020

Intertie and Parker-Davis
Projects



FY22 O&M Work Plan Formulation

- To prevent upward pressure on rates, DSW initiated a thorough review of the FY22 O&M Work Plan after initial calculations indicated a sizable increase was needed
- DSW reduced O&M costs wherever possible and ensured we are properly budgeting support for capital projects
- DSW finalized the FY22 Work Plan in June at a 1% decrease for Parker-Davis Project and a 1% increase for Intertie
- The changes to the O&M Work Plan for FY22 are less than the typical rate of inflation and WAPA's guidance for FY22 formulation but will still ensure the reliability of the power systems.



Parker-Davis Project O&M

Budget Activity	Description	FY21 Work Plan	FY22 Work Plan	% Change FY21-FY22
Maintenance				
N/FGPD ADMSM	Admin Maintenance Support	\$ 436,605	\$ 1,820,410	317%
N/FGPD COMMM	Communication & Control	\$ 1,820,140	\$ 1,738,377	-4%
N/FGPD ENVTM	Environmental	\$ 1,637,401	\$ 1,000,732	-39%
N/FGPD LINCM	Lines, Direct Hrs, No Specific Job	\$ 1,748,990	\$ 1,702,528	-3%
N/FGPD LINSM	O&M of Trans Lines	\$ 4,879,477	\$ 2,832,505	-42%
N/FGPD STUDM	Transmission/Engineering Studies	\$ 2,729,288	\$ 2,961,653	9%
N/FGPD SUBCM	Subs, Direct Hrs, No Specific Job	\$ 4,241,558	\$ 2,957,708	-30%
N/FGPD SUBSM	O&M of Subs & Related Facilities	\$ 6,281,570	\$ 7,314,581	16%
	Total Maintenance	\$ 23,775,029	\$ 22,328,494	-6%
Non-Maintenance				
N/FGPD BILLM	Power Billing	\$ 847,900	\$ 918,977	8%
N/FGPD CAREM	Conserv & Renew Energy	\$ 51,294	\$ 45,650	-11%
N/FGPD FINAM	Financial Management	\$ 223,475	\$ 259,957	16%
N/FGPD MRKTM	Power Marketing	\$ 3,086,773	\$ 3,918,071	27%
N/FGPD SAFEM	Safety & Security	\$ 601,023	\$ 546,495	-9%
N/FGPD SOLDM	Sys Ops & Load Dispatch	\$ 7,396,093	\$ 7,726,068	4%
N/FGPD SVCFM	DSWR Service Facility Clearing	\$ 1,335,081	\$ 1,124,027	-16%
	Total Non-Maintenance	\$ 13,541,639	\$ 14,539,245	7%
	Subtotal O&M	\$ 37,316,668	\$ 36,867,739	-1%



Parker-Davis Project Capital and PPW

Budget Activity	Description	FY21 Work Plan	FY22 Work Plan	% Change FY21-FY22
Capital O&M				
N/FGPD COMMB	Replace Comm & Control Equip	\$ 363,334	\$ 1,446,000	298%
N/FGPD LINSB	Transmission Lines	\$ 3,127,904	\$ -	-100%
N/FGPD MOVPB	Movable Property	\$ 5,053,204	\$ 3,550,000	-30%
N/FGPD SUBSB	Replace Substation Equip	\$ 4,363,536	\$ 3,708,000	-15%
	Subtotal Capital O&M	\$ 12,907,978	\$ 8,704,000	-33%
Construction				
Appropriated	Multiple Projects	\$ 19,706,626	\$ 10,369,000	-47%
Prepayment	Multiple Projects	\$ 8,067,426	\$ 6,939,000	-14%
	Subtotal Construction	\$ 27,774,052	\$ 17,308,000	-38%
PPW				
N/FGPD PPW	Purchased Power & Wheeling	\$ 10,000,000	\$ 12,000,000	20%
	Subtotal PPW	\$ 10,000,000	\$ 12,000,000	20%
	Grand Total	\$ 87,998,698	\$ 74,879,739	-15%



Intertie Project O&M

Budget Activity	Description	FY21 Work Plan	FY22 Work Plan	% Change FY21-FY22
Maintenance				
N/FGIN ADMSM	Admin Maintenance Support	\$ 99,422	\$ 505,498	408%
N/FGIN COMMM	Communication & Control	\$ 454,457	\$ 437,612	-4%
N/FGIN ENVTM	Environmental	\$ 176,171	\$ 176,072	0%
N/FGIN LINCM	Lines, Direct Hrs, No Specific Job	\$ 224,099	\$ 328,412	47%
N/FGIN LINSM	O&M of Trans Lines	\$ 391,125	\$ 266,632	-32%
N/FGIN STUDM	Transmission/Engineering Studies	\$ 443,778	\$ 500,856	13%
N/FGIN SUBCM	Subs, Direct Hrs, No Specific Job	\$ 1,764,565	\$ 1,589,096	-10%
N/FGIN SUBSM	O&M of Subs & Related Facilities	\$ 2,659,566	\$ 2,787,499	5%
	Total Maintenance	\$ 6,213,183	\$ 6,591,677	6%
Non-Maintenance				
N/FGIN BILLM	Power Billing	\$ 161,311	\$ 238,592	48%
N/FGIN FINAM	Financial Management	\$ 71,716	\$ 73,299	2%
N/FGIN MRKTM	Power Marketing	\$ 1,443,933	\$ 1,754,023	21%
N/FGIN SAFEM	Safety & Security	\$ 529,439	\$ 72,741	-86%
N/FGIN SOLDM	Sys Ops & Load Dispatch	\$ 889,440	\$ 757,806	-15%
N/FGIN SOLWM	Mead-Phoenix O&M	\$ 1,501,716	\$ 1,502,049	0%
N/FGIN SVCFM	DSWR Service Facility Clearing	\$ 307,091	\$ 265,705	-13%
	Total Non-Maintenance	\$ 4,904,646	\$ 4,664,215	-5%
	Subtotal O&M	\$ 11,117,829	\$ 11,255,892	1%



Intertie Project Capital and PPW

Budget Activity	Description	FY21 Work Plan	FY22 Work Plan	% Change FY21-FY22
Capital O&M				
N/FGIN COMMB	Replace Comm & Control Equip	\$ 315,841	\$ -	-100%
N/FGIN LINSB	Transmission Lines	\$ 3,000,000	\$ 3,100,000	3%
N/FGIN MOVPB	Movable Property	\$ 40,000	\$ 180,000	350%
N/FGIN SUBSB	Replace Substation Equip	\$ 830,144	\$ 560,000	-33%
	Subtotal Capital O&M	\$ 4,185,985	\$ 3,840,000	-8%
Construction				
Appropriated	Multiple Projects	\$ -	\$ -	N/A
Prepayment	Multiple Projects	\$ -	\$ -	N/A
	Subtotal Construction	\$ -	\$ -	N/A
PPW				
N/FGIN PPW	Purchased Power & Wheeling	\$ 4,000,000	\$ 3,000,000	-25%
	Subtotal PPW	\$ 4,000,000	\$ 3,000,000	-25%
	Grand Total	\$ 19,303,814	\$ 18,095,892	-6%



DSW Indirects

- Use Rates
 - Heavy Equipment
 - Transportation
- Allocations
 - Service Facility
- Clearing
 - “A” Rate – clears to all Direct Labor Hours (DLH)
 - Warehouse
 - Administrative & General Expense
 - IT Support
 - “C” Rate – clears to Capital DLH
 - Engineering Support
 - “M” Rate – clears to Maintenance DLH
 - Substation Associated Support
 - Systemwide Associated Support





Western
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Administration

O&M Work Plan Rate Analysis

Tina Ramsey

July 9, 2020

Intertie & Parker-Davis
Projects



Parker-Davis Project Generation Work Plan Analysis

Budget Activity	Description	FY20		FY21		
		Avg Annual FY20 - FY24	Contribution to Rate	Avg Annual FY21 - FY25	Contribution to Rate	% Change Avg Annual
Work Plan Maintenance						
N/FGPD ADMSM	Admin Maintenance Support	\$ -	-	\$ -	-	0%
N/FGPD COMMM	Communication & Control	19,044	0.01	19,239	0.01	1%
N/FGPD ENVTM	Environmental	-	-	-	-	0%
N/FGPD LINCM	Lines, Direct Hrs. No Specific Job	-	-	-	-	0%
N/FGPD LINSM	O&M of Trans Lines	-	-	-	-	0%
N/FGPD STUDM	Transmission/Engineering Studies	-	-	-	-	0%
N/FGPD SUBCM	Subs, Direct Hrs. No Specific Job	-	-	-	-	0%
N/FGPD SUBSM	O&M of Subs & Related Facilities	-	-	-	-	0%
	Subtotal	\$ 19,044	0.01	\$ 19,239	0.01	
Work Plan Non-Maintenance						
N/FGPD BILLM	Power Billing	\$ 413,044	0.29	\$ 388,094	0.27	-6%
N/FGPD CAREM	Conserv & Renew Energy	65,726	0.05	47,889	0.03	-27%
N/FGPD FINAM	Financial Management	100,419	0.07	108,411	0.08	8%
N/FGPD GWAMM	General Western Allocation	-	-	-	-	0%
N/FGPD MRKTM	Power Marketing	1,680,175	1.18	2,134,817	1.50	27%
N/FGPD SAFEM	Safety & Security	-	-	-	-	0%
N/FGPD SOLDM	Sys Ops & Load Dispatch	73,944	0.05	78,624	0.06	6%
N/FGPD SVCFM	DSWR Service Facility Clearing	-	-	-	-	0%
	Subtotal	\$ 2,333,308	1.64	\$ 2,757,835	1.94	
Total Work Plan		\$ 2,352,352	1.65	\$ 2,777,074	1.95	18%
WAPA Other Expenses		180,787	0.13	180,787	0.13	0%
BOR O&M		11,826,700	8.30	11,826,700	8.30	0%
BOR Replacements		-	-	-	-	
Purchase Power & Wheeling		5,260,810	3.69	5,260,810	3.69	0%
Principal & Interest		679,762	0.48	679,762	0.48	0%
	Total Expenses	\$ 20,300,411	14.25	\$ 20,725,133	14.54	
Other Revenue		\$ 250,027	(0.18)	\$ 250,027	(0.18)	0%
Carryover Revenue		-	-	-	-	
	Total Offsets	\$ 250,027	(0.18)	\$ 250,027	(0.18)	
Revenue Requirement		\$ 20,050,384		\$ 20,475,106		2%
Sales (kWh)		1,425,045		1,425,045		0%

Parker-Davis Project Transmission Work Plan Analysis

Budget Activity	Description	FY20		FY21		
		Avg Annual FY20- FY24	Contribution to Rate	Avg Annual FY21 - FY25	Contribution to Rate	% Change Avg Annual
Work Plan Maintenance						
N/FGPD ADMSM	Admin Maintenance Support	\$ 744,876	\$ 0.28	\$ 1,587,924	\$ 0.60	113%
N/FGPD COMMM	Communication & Control	1,759,817	0.66	1,777,771	0.67	1%
N/FGPD ENVTM	Environmental	1,427,821	0.54	1,152,405	0.43	-19%
N/FGPD LINCM	Lines, Direct Hrs. No Specific Job	1,708,785	0.64	1,753,228	0.66	3%
N/FGPD LINSM	O&M of Trans Lines	5,371,301	2.02	3,310,791	1.24	
N/FGPD STUDM	Transmission/Engineering Studies	2,671,111	1.00	2,987,212	1.12	12%
N/FGPD SUBCM	Subs, Direct Hrs. No Specific Job	4,274,825	1.61	3,286,420	1.23	-23%
N/FGPD SUBSM	O&M of Subs & Related Facilities	6,179,652	2.32	7,285,881	2.74	
	Subtotal	\$ 24,138,188	\$ 9.06	\$ 23,141,632	\$ 8.69	
Work Plan Non-Maintenance						
N/FGPD BILLM	Power Billing	\$ 573,672	\$ 0.22	\$ 539,019	\$ 0.20	-6%
N/FGPD CAREM	Conserv & Renew Energy	-	-	-	-	0%
N/FGPD FINAM	Financial Management	139,473	0.05	150,572	0.06	8%
N/FGPD GWAMM	General Western Allocation	-	-	-	-	0%
N/FGPD MRKTM	Power Marketing	1,611,307	0.61	1,712,289	0.64	6%
N/FGPD SAFEM	Safety & Security	675,357	0.25	570,692	0.21	-15%
N/FGPD SOLDM	Sys Ops & Load Dispatch	7,583,110	2.85	7,769,360	2.92	2%
N/FGPD SVCFM	DSWR Service Facility Clearing	1,362,695	0.51	1,193,576	0.45	-12%
	Subtotal	\$ 11,945,614	\$ 4.49	\$ 11,935,508	\$ 4.48	
Total Work Plan		\$ 36,083,802	\$ 13.55	\$ 35,077,140	\$ 13.17	-3%
Other Expenses		725,922	0.27	725,922	0.27	0%
Purchase Power & Wheeling		1,900,000	0.71	1,900,000	0.71	0%
Principal & Interest		26,271,266	9.87	26,271,266	9.87	0%
	Total Expenses	\$ 64,980,990	\$ 24.40	\$ 63,974,328	\$ 24.02	
Other Revenue		\$ 6,476,102	\$ (2.43)	\$ 6,476,102	\$ (2.43)	0%
Carryover Revenue		-	-	-	-	
	Total Offsets	\$ 6,476,102	\$ (2.43)	\$ 6,476,102	\$ (2.43)	
Revenue Requirement		\$ 58,504,888		\$ 57,498,226		-2%
Sales (kW)		2,663,000		2,663,000		0%

Intertie Project Work Plan Analysis

Budget Activity	Description	FY21		FY22		
		Amount	Contribution to Rate	Amount	Contribution to Rate	% Change
Work Plan Maintenance						
N/FGIN ADMSM	Admin Maintenance Support	\$ 99,422	\$ 0.06	\$ 505,498	\$ 0.32	408%
N/FGIN COMMM	Communication & Control	454,457	0.29	437,612	0.28	-4%
N/FGIN ENVTM	Environmental	176,171	0.11	176,072	0.11	0%
N/FGIN LINCM	Lines, Direct Hrs. No Specific Job	224,099	0.14	328,412	0.21	47%
N/FGIN LINSM	O&M of Trans Lines	391,125	0.25	266,632	0.17	-32%
N/FGIN STUDM	Transmission/Engineering Studies	443,778	0.28	500,856	0.32	13%
N/FGIN SUBCM	Subs, Direct Hrs. No Specific Job	1,764,565	1.11	1,589,096	1.00	-10%
N/FGIN SUBSM	O&M of Subs & Related Facilities	2,659,566	1.68	2,787,499	1.76	5%
	Subtotal	\$ 6,213,183	\$ 3.92	\$ 6,591,678	\$ 4.16	
Work Plan Non-Maintenance						
N/FGIN BILLM	Power Billing	\$ 161,311	\$ 0.10	\$ 238,592	\$ 0.15	48%
N/FGIN FINAM	Financial Management	71,716	0.05	73,299	0.05	2%
N/FGIN MRKTM	Power Marketing	1,443,933	0.91	1,754,023	1.11	21%
N/FGIN SAFEM	Safety & Security	529,439	0.33	72,741	0.05	-86%
N/FGIN SOLDM	Sys Ops & Load Dispatch	889,440	0.56	757,806	0.48	-15%
N/FGIN SOLWM	Mead-Phoenix O&M	1,501,716	0.95	1,502,049	0.95	0%
N/FGIN SVCFM	DSWR Service Facility Clearing	307,091	0.19	265,705	0.17	-13%
	Subtotal	\$ 4,904,647	\$ 3.10	\$ 4,664,214	\$ 2.94	
Total Work Plan		\$ 11,117,829	\$ 7.02	\$ 11,255,892	\$ 7.10	1%
Other Expenses		749,852	0.47	749,852	0.47	0%
Purchase Power & Wheeling		3,600,000	2.27	3,600,000	2.27	0%
Principal & Interest		24,740,000	15.62	24,740,000	15.62	0%
	Total Expenses	\$ 40,207,681	\$ 25.38	\$ 40,345,744	\$ 25.47	
Other Revenue		\$ 9,600,000	\$ (6.06)	\$ 9,600,000	\$ (6.06)	0%
Revenue Requirement		\$ 30,607,681		\$ 30,745,744		0%
Sales (kW)		\$ 1,584,256		1,584,256		0%
Transmission Rate (kW-Year)		\$ 19.32		\$ 19.41		0%



Western
Area Power
Administration

Prepayment Cash Flow

Jennifer Hultsch

July 9, 2020



Intertie and Parker-Davis
Projects

**Intertie and Parker-Davis
Fiscal Years 2020 Through 2029 Forecast**

	Beg Bal	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Prepayment Inflows	85,753,577	72,273,099	70,479,265	70,479,265	70,479,265	70,479,265	70,479,265	70,479,265	70,479,265	70,479,265	70,479,265
Outflows											
O&M Budget	9,865,166	48,349,290	48,434,497	48,123,631	49,086,104	50,067,826	51,069,182	52,090,566	53,132,377	54,195,025	55,278,925
Capital O&M (RRADs) Budget	-	-	-	-	-	-	-	-	-	-	-
Construction	6,747,495	14,054,000	23,884,000	15,939,000	26,697,000	24,797,000	19,197,000	25,000,000	25,000,000	25,000,000	25,000,000
Total Outflows	16,612,661	62,403,290	72,318,497	64,062,631	75,783,104	74,864,826	70,266,182	77,090,566	78,132,377	79,195,025	80,278,925
Net Prepayment Total	69,140,916	9,869,809	(1,839,232)	6,416,634	(5,303,839)	(4,385,561)	213,083	(6,611,301)	(7,653,112)	(8,715,760)	(9,799,660)
Non-Prepayment Inflows	-	32,584,825	32,584,825	32,584,825	32,584,825	32,584,825	32,584,825	32,584,825	32,584,825	32,584,825	32,584,825
Outflows											
Purchased Power Expense	-	13,340,982	13,340,982	13,340,982	13,340,982	13,340,982	13,340,982	13,340,982	13,340,982	13,340,982	13,340,982
Transfers Within Western (Line Loss)	-	-	-	-	-	-	-	-	-	-	-
Total Outflows	-	13,340,982	13,340,982	13,340,982	13,340,982	13,340,982	13,340,982	13,340,982	13,340,982	13,340,982	13,340,982
Net Non-Prepayment Total	-	19,243,842	19,243,842	19,243,842	19,243,842	19,243,842	19,243,842	19,243,842	19,243,842	19,243,842	19,243,842
Return to Treasury (Non-Prepayment)	-	19,243,842	19,243,842	19,243,842	19,243,842	19,243,842	19,243,842	19,243,842	19,243,842	19,243,842	19,243,842
Return to Treasury (Prepayment)	-	-	-	-	2,861,241	-	-	-	-	-	-
Net Cash	69,140,916	9,869,809	(1,839,232)	6,416,634	(8,165,079)	(4,385,560)	213,083	(6,611,300)	(7,653,112)	(8,715,759)	(9,799,660)
End of Year Cash	69,140,916	79,010,725	77,171,494	83,588,128	75,423,049	71,037,488	71,250,572	64,639,271	56,986,159	48,270,400	38,470,740
Reserve Balances Strategy											
3 years construction	66,495,000	67,433,000	70,691,000	70,691,000	60,000,000	60,000,000	60,000,000	60,000,000	60,000,000	60,000,000	60,000,000
O&M 111 days	14,869,062	14,729,395	14,634,858	14,927,555	15,226,106	15,530,628	15,841,241	16,158,065	16,481,227	16,810,851	17,147,068
Reserve Balances Strategy Total	81,364,062	82,162,395	85,325,858	85,618,555	75,226,106	75,530,628	75,841,241	76,158,065	76,481,227	76,810,851	77,147,068



Questions?

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