

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2015**

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	5,362,805	Customers/Gen/Tran	1,699,349	3,663,456
Substation & Transmission Lines	17,635,054	Transmission	0	17,635,054
Communication & Control Equipment	974,449	SCADA	10,432	964,017
System Operation & Load Dispatch	5,519,620	SCADA/Tran	54,288	5,465,332
Subtotal Western O&M	29,491,928		1,764,069	27,727,859
	100%		6.0%	94.0%
Western General Expenses				
Bureau of Reclamation O&M	7,057,115	% of Subtotal	422,124	6,634,991
Purchase Power	3,100,000	Generation	8,522,000	0
Capitalized Movable Equipment	953,357	Gen & Tran	1,000,000	2,100,000
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,260,408)	% of Subtotal	57,025	896,332
Bureau of Reclamation Replacements	3,488,000	Transmission	(3,854)	(2,256,554)
Principal/Interest Payments - Reclamation	81,917	Generation	3,488,000	0
Principal/Interest Payments - Western	24,672,870	Generation	81,917	0
Total Annual Gross Expenses	75,106,780	Transmission	0	24,672,870
	100%		15,331,281	59,775,498
			20.4%	79.6%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	4,300,000	Transmission	0	4,300,000
Losses	4,300,000	Transmission	0	4,300,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	210,000	Generation	210,000	0
Transmission Supported (e.g. Scheduling Service)	0	Transmission	0	0
Miscellaneous				
Facilities Use Charges	1,000,000	Transmission	0	1,000,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	0	Generation	0	0
Transfers from Other Western Projects	270,001	Transmission	0	270,001
Total Annual Other Revenues	10,080,001		210,000	9,870,001
	100%		2.1%	97.9%
Expenses Less Other Revenues				
	65,026,778		15,121,281	49,905,496
Interest Credits				
Interest Credits	0		0	0
Carryover Application	(4,069,236)		(1,668,856)	(2,400,380)
Total Credits & Carryover	(4,069,236)		(1,668,856)	(2,400,380)
Revenue Requirement				
	60,957,542		13,452,425	47,505,116

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2015**

Cost Allocation Factors & Rate Design Loads

SCADA Points		
	Number	Percentage
Generation	91	1.071%
Transmission	8,409	98.929%
	----- 8,500	----- 100%

Customers		
	Count	Percentage
Transmission	56	60.87%
Generation	36	39.13%
	----- 92	----- 100%

Rate Design Loads		
	Avg CROD kW	Energy MWh
Firm Electric Service - AOF	233,844	1,229,778
Firm Electric Service - Project Use	37,303	195,267
Firm Transmission	2,821,634	0
	----- 3,092,781	----- 1,425,045

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2016**

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	5,647,649	Customers/Gen/Tran	1,789,356	3,858,293
Substation & Transmission Lines	18,161,272	Transmission	0	18,161,272
Communication & Control Equipment	1,023,989	SCADA	10,963	1,013,026
System Operation & Load Dispatch	5,139,936	SCADA/Tran	49,977	5,089,959
Subtotal Western O&M	<u>29,972,846</u>		<u>1,850,296</u>	<u>28,122,550</u>
	100%		6.2%	93.8%
Western General Expenses				
Bureau of Reclamation O&M	6,883,401	% of Subtotal	424,929	6,458,472
Purchase Power	3,100,000	Generation	8,580,500	0
Capitalized Movable Equipment	953,357	Gen & Tran	1,000,000	2,100,000
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,259,153)	% of Subtotal	58,853	894,504
Bureau of Reclamation Replacements	3,272,000	Transmission	(3,702)	(2,255,451)
Principal/Interest Payments - Reclamation	82,221	Generation	3,272,000	0
Principal/Interest Payments - Western	26,087,434	Generation	82,221	0
Total Annual Gross Expenses	<u>76,672,607</u>	Transmission	<u>0</u>	<u>26,087,434</u>
	100%		15,265,097	61,407,508
			19.9%	80.1%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	4,300,000	Transmission	0	4,300,000
Losses	4,300,000	Transmission	0	4,300,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	210,000	Generation	210,000	0
Transmission Supported (e.g. Scheduling Service)	0	Transmission	0	0
Miscellaneous				
Facilities Use Charges	1,000,000	Transmission	0	1,000,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	0	Generation	0	0
Transfers from Other Western Projects	264,131	Transmission	0	264,131
Total Annual Other Revenues	<u>10,074,131</u>		<u>210,000</u>	<u>9,864,131</u>
	100%		2.1%	97.9%
Expenses Less Other Revenues				
	66,598,475		15,055,097	51,543,377
Interest Credits				
Interest Credits	0		0	0
Carryover Application	(5,640,933)		(1,602,672)	(4,038,261)
Total Credits & Carryover	<u>(5,640,933)</u>		<u>(1,602,672)</u>	<u>(4,038,261)</u>
Revenue Requirement				
	60,957,542		13,452,425	47,505,116

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2016**

Cost Allocation Factors & Rate Design Loads

SCADA Points		
	Number	Percentage
Generation	91	1.071%
Transmission	8,409	98.929%
	----- 8,500	----- 100%

Customers		
	Count	Percentage
Transmission	56	60.87%
Generation	36	39.13%
	----- 92	----- 100%

Rate Design Loads		
	Avg CROD kW	Energy MWh
Firm Electric Service - AOF	233,844	1,229,778
Firm Electric Service - Project Use	37,303	195,267
Firm Transmission	2,821,634	0
	----- 3,092,781	----- 1,425,045

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2017**

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	5,799,569	Customers/Gen/Tran	1,837,490	3,962,079
Substation & Transmission Lines	18,649,811	Transmission	0	18,649,811
Communication & Control Equipment	1,051,534	SCADA	11,258	1,040,276
System Operation & Load Dispatch	5,273,065	SCADA/Tran	51,266	5,221,799
Subtotal Western O&M	<u>30,773,979</u>		<u>1,900,014</u>	<u>28,873,965</u>
	100%		6.2%	93.8%
Western General Expenses	7,034,868	% of Subtotal	434,339	6,600,529
Bureau of Reclamation O&M	8,920,000	Generation	8,920,000	0
Purchase Power	3,100,000	Gen & Tran	1,000,000	2,100,000
Capitalized Movable Equipment	953,357	% of Subtotal	58,862	894,495
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,253,309)	Transmission	(3,867)	(2,249,442)
Bureau of Reclamation Replacements	2,950,000	Generation	2,950,000	0
Principal/Interest Payments - Reclamation	82,687	Generation	82,687	0
Principal/Interest Payments - Western	27,186,031	Transmission	0	27,186,031
Total Annual Gross Expenses	<u>78,747,614</u>		<u>15,342,035</u>	<u>63,405,577</u>
	100%		19.5%	80.5%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	4,300,000	Transmission	0	4,300,000
Losses	4,300,000	Transmission	0	4,300,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	210,000	Generation	210,000	0
Transmission Supported (e.g. Scheduling Service)	0	Transmission	0	0
Miscellaneous				
Facilities Use Charges	1,000,000	Transmission	0	1,000,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	0	Generation	0	0
Transfers from Other Western Projects	257,938	Transmission	0	257,938
Total Annual Other Revenues	<u>10,067,938</u>		<u>210,000</u>	<u>9,857,938</u>
	100%		2.1%	97.9%
Expenses Less Other Revenues	68,679,676		15,132,035	53,547,639
Interest Credits	0		0	0
Carryover Application	(7,779,734)		(1,679,610)	(6,100,123)
Total Credits & Carryover	<u>(7,779,734)</u>		<u>(1,679,610)</u>	<u>(6,100,123)</u>
Revenue Requirement	60,899,942		13,452,425	47,447,516

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2017**

Cost Allocation Factors & Rate Design Loads

SCADA Points		
	Number	Percentage
Generation	91	1.071%
Transmission	8,409	98.929%
	----- 8,500	----- 100%

Customers		
	Count	Percentage
Transmission	56	60.87%
Generation	36	39.13%
	----- 92	----- 100%

Rate Design Loads		
	Avg CROD kW	Energy MWh
Firm Electric Service - AOF	233,844	1,229,778
Firm Electric Service - Project Use	37,303	195,267
Firm Transmission	2,817,884	0
	----- 3,089,031	----- 1,425,045

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2018**

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	5,955,576	Customers/Gen/Tran	1,886,915	4,068,661
Substation & Transmission Lines	19,151,491	Transmission	0	19,151,491
Communication & Control Equipment	1,079,820	SCADA	11,560	1,068,260
System Operation & Load Dispatch	5,414,911	SCADA/Tran	52,645	5,362,266
Subtotal Western O&M	31,601,798		1,951,120	29,650,678
	100%		6.2%	93.8%
Western General Expenses				
Bureau of Reclamation O&M	7,190,409	% of Subtotal	443,942	6,746,467
Purchase Power	3,100,000	Generation	8,826,500	0
Capitalized Movable Equipment	953,357	Gen & Tran	1,000,000	2,100,000
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,278,803)	% of Subtotal	58,862	894,495
Bureau of Reclamation Replacements	3,030,000	Transmission	(3,903)	(2,274,900)
Principal/Interest Payments - Reclamation	83,283	Generation	3,030,000	0
Principal/Interest Payments - Western	27,640,199	Generation	83,283	0
Total Annual Gross Expenses	80,146,743	Transmission	0	27,640,199
	100%		15,389,804	64,756,939
			19.2%	80.8%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	4,300,000	Transmission	0	4,300,000
Losses	4,300,000	Transmission	0	4,300,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	210,000	Generation	210,000	0
Transmission Supported (e.g. Scheduling Service)	0	Transmission	0	0
Miscellaneous				
Facilities Use Charges	1,000,000	Transmission	0	1,000,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	0	Generation	0	0
Transfers from Other Western Projects	252,182	Transmission	0	252,182
Total Annual Other Revenues	10,062,182		210,000	9,852,182
	100%		2.1%	97.9%
Expenses Less Other Revenues				
	70,084,561		15,179,804	54,904,757
Interest Credits				
Interest Credits	0		0	0
Carryover Application	(9,357,419)		(1,727,379)	(7,630,040)
Total Credits & Carryover	(9,357,419)		(1,727,379)	(7,630,040)
Revenue Requirement				
	60,727,142		13,452,425	47,274,716

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2018**

Cost Allocation Factors & Rate Design Loads

SCADA Points		
	Number	Percentage
Generation	91	1.071%
Transmission	8,409	98.929%
	----- 8,500	----- 100%

Customers		
	Count	Percentage
Transmission	56	60.87%
Generation	36	39.13%
	----- 92	----- 100%

Rate Design Loads		
	Avg CROD kW	Energy MWh
Firm Electric Service - AOF	233,844	1,229,778
Firm Electric Service - Project Use	37,303	195,267
Firm Transmission	2,806,634	0
	----- 3,077,781	----- 1,425,045

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2019**

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	6,115,782	Customers/Gen/Tran	1,937,675	4,178,107
Substation & Transmission Lines	19,666,666	Transmission	0	19,666,666
Communication & Control Equipment	1,108,867	SCADA	11,871	1,096,996
System Operation & Load Dispatch	5,560,573	SCADA/Tran	54,062	5,506,511
Subtotal Western O&M	32,451,888		2,003,608	30,448,280
	100%		6.2%	93.8%
Western General Expenses	7,350,134	% of Subtotal	453,803	6,896,331
Bureau of Reclamation O&M	9,320,000	Generation	9,320,000	0
Purchase Power	3,100,000	Gen & Tran	1,000,000	2,100,000
Capitalized Movable Equipment	953,357	% of Subtotal	58,862	894,495
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,281,808)	Transmission	(3,235)	(2,278,573)
Bureau of Reclamation Replacements	2,635,000	Generation	2,635,000	0
Principal/Interest Payments - Reclamation	84,365	Generation	84,365	0
Principal/Interest Payments - Western	30,845,675	Transmission	0	30,845,675
Total Annual Gross Expenses	84,458,612		15,552,403	68,906,208
	100%		18.4%	81.6%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	4,300,000	Transmission	0	4,300,000
Losses	6,622,477	Transmission	0	6,622,477
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	210,000	Generation	210,000	0
Transmission Supported (e.g. Scheduling Service)	0	Transmission	0	0
Miscellaneous				
Facilities Use Charges	1,000,000	Transmission	0	1,000,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	0	Generation	0	0
Transfers from Other Western Projects	263,374	Transmission	0	263,374
Total Annual Other Revenues	12,395,851		210,000	12,185,851
	100%		1.7%	98.3%
Expenses Less Other Revenues	72,062,761		15,342,403	56,720,357
Interest Credits	0		0	0
Carryover Application	(11,489,219)		(1,889,978)	(9,599,241)
Total Credits & Carryover	(11,489,219)		(1,889,978)	(9,599,241)
Revenue Requirement	60,573,542		13,452,425	47,121,116

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COST APPORTIONMENT STUDY
FY2019**

Cost Allocation Factors & Rate Design Loads

SCADA Points		
	Number	Percentage
Generation	91	1.071%
Transmission	8,409	98.929%
	----- 8,500	----- 100%

Customers		
	Count	Percentage
Transmission	56	60.87%
Generation	36	39.13%
	----- 92	----- 100%

Rate Design Loads		
	Avg CROD kW	Energy MWh
Firm Electric Service - AOF	233,844	1,229,778
Firm Electric Service - Project Use	37,303	195,267
Firm Transmission	2,796,634	0
	----- 3,067,781	----- 1,425,045