

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2012**

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	5,355,181	Customers/Gen/Tran	1,938,186	3,416,995
Substation & Transmission Lines	14,270,243	Transmission	0	14,270,243
Communication & Control Equipment	2,357,889	SCADA	25,243	2,332,646
System Operation & Load Dispatch	5,579,026	SCADA/Tran	53,063	5,525,963
Subtotal Western O&M	<u>27,562,339</u>		<u>2,016,492</u>	<u>25,545,847</u>
	100%		7.3%	92.7%
Western General Expenses				
Western General Expenses	6,101,856	% of Subtotal	446,419	5,655,437
Bureau of Reclamation O&M	7,298,000	Generation	7,298,000	0
Purchase Power	3,276,620	Gen & Tran	2,400,000	876,620
Capitalized Movable Equipment	1,181,564	% of Subtotal	86,444	1,095,120
Mead Service Center (Multi-Project)	144,681	Transmission	0	144,681
Bureau of Reclamation Replacements	4,402,000	Generation	4,402,000	0
Principal/Interest Payments - Reclamation	87,986	Generation	87,986	0
Principal/Interest Payments - Western	18,592,913	Transmission	0	18,592,913
Total Annual Gross Expenses	<u>68,647,961</u>		<u>16,737,341</u>	<u>51,910,619</u>
	100%		24.4%	75.6%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	3,150,000	Transmission	0	3,150,000
Losses	3,120,000	Transmission	0	3,120,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	170,000	Generation	170,000	0
Transmission Supported (e.g. Scheduling Service)	3,000	Transmission	0	3,000
Miscellaneous				
Facilities Use Charges	850,000	Transmission	0	850,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	2,200	Generation	2,200	0
Transfers from Other Western Projects	285,685	Transmission	0	285,685
Multi-Project Revenue				
SCADA	365,955	SCADA	3,918	362,037
Phoenix Service Center	1,909,365	Transmission	0	1,909,365
Total Annual Other Revenues	<u>9,856,204</u>		<u>176,118</u>	<u>9,680,086</u>
	100%		1.8%	98.2%
Net Expenses Before Carryover	58,791,757		16,561,223	42,230,533
Carryover Application	(8,134,979)		(4,476,841)	(3,658,138)
Net Expenses After Carryover	50,656,778		12,084,382	38,572,394

**PARKER-DAVIS PROJECT
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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	55	59.78%
Generation	37	40.22%
	----- 92	----- 100%

Rate Design Loads		
	Avg CROD kW	Energy MWh
Firm Electric Service - AOF	203,481	1,071,533
Firm Electric Service - Non-AOF	30,363	158,245
Firm Electric Service - Project Use	37,303	195,267
Firm Transmission	2,705,118	0
	----- 2,976,265	----- 1,425,045

**PARKER-DAVIS PROJECT
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FY2013**

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	5,179,189	Customers/Gen/Tran Transmission SCADA SCADA/Tran	1,826,560	3,352,629
Substation & Transmission Lines	15,164,644		0	15,164,644
Communication & Control Equipment	1,248,497		13,366	1,235,131
System Operation & Load Dispatch	6,002,482		60,181	5,942,301
Subtotal Western O&M	<u>27,594,812</u>		<u>1,900,107</u>	<u>25,694,705</u>
	100%		6.9%	93.1%
Western General Expenses				
Western General Expenses	6,232,975	% of Subtotal	429,186	5,803,789
Bureau of Reclamation O&M	9,352,000	Generation	9,352,000	0
Purchase Power	1,876,620	Gen & Tran	1,000,000	876,620
Capitalized Movable Equipment	1,181,564	% of Subtotal	81,360	1,100,204
Mead Service Center (Multi-Project)	144,681	Transmission	0	144,681
Bureau of Reclamation Replacements	640,000	Generation	640,000	0
Principal/Interest Payments - Reclamation	89,050	Generation	89,050	0
Principal/Interest Payments - Western	19,138,462	Transmission	0	19,138,462
Total Annual Gross Expenses	<u>66,250,165</u>		<u>13,491,703</u>	<u>52,758,461</u>
	100%		20.4%	79.6%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	3,150,000	Transmission	0	3,150,000
Losses	3,120,000	Transmission	0	3,120,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	170,000	Generation	170,000	0
Transmission Supported (e.g. Scheduling Service)	3,000	Transmission	0	3,000
Miscellaneous				
Facilities Use Charges	850,000	Transmission	0	850,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	2,200	Generation	2,200	0
Transfers from Other Western Projects	280,773	Transmission	0	280,773
Multi-Project Revenue				
SCADA	396,811	SCADA	4,248	392,563
Phoenix Service Center	1,925,076	Transmission	0	1,925,076
Total Annual Other Revenues	<u>9,897,860</u>		<u>176,448</u>	<u>9,721,412</u>
	100%		1.8%	98.2%
Net Expenses Before Carryover	56,352,305		13,315,255	43,037,050
Carryover Application	(5,695,529)		(1,230,874)	(4,464,655)
Net Expenses After Carryover	50,656,776		12,084,382	38,572,394

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2013**

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	55	59.78%
Generation	37	40.22%
	----- 92	----- 100%

Rate Design Loads		
	Avg CROD kW	Energy MWh
Firm Electric Service - AOF	203,481	1,071,533
Firm Electric Service - Non-AOF	30,363	158,245
Firm Electric Service - Project Use	37,303	195,267
Firm Transmission	2,705,118	0
	----- 2,976,265	----- 1,425,045

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2014**

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	5,334,564	Customers/Gen/Tran	1,872,092	3,462,472
Substation & Transmission Lines	15,619,584	Transmission	0	15,619,584
Communication & Control Equipment	1,285,952	SCADA	13,767	1,272,185
System Operation & Load Dispatch	6,163,585	SCADA/Tran	61,783	6,101,802
Subtotal Western O&M	<u>28,403,685</u>		<u>1,947,642</u>	<u>26,456,043</u>
	100%		6.9%	93.1%
Western General Expenses				
Western General Expenses	6,376,060	% of Subtotal	437,207	5,938,853
Bureau of Reclamation O&M	8,060,500	Generation	8,060,500	0
Purchase Power	1,876,620	Gen & Tran	1,000,000	876,620
Capitalized Movable Equipment	1,181,564	% of Subtotal	81,021	1,100,543
Mead Service Center (Multi-Project)	144,681	Transmission	0	144,681
Bureau of Reclamation Replacements	1,561,500	Generation	1,561,500	0
Principal/Interest Payments - Reclamation	89,532	Generation	89,532	0
Principal/Interest Payments - Western	19,928,143	Transmission	0	19,928,143
Total Annual Gross Expenses	<u>67,622,286</u>		<u>13,177,402</u>	<u>54,444,883</u>
	100%		19.5%	80.5%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	3,150,000	Transmission	0	3,150,000
Losses	3,120,000	Transmission	0	3,120,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	170,000	Generation	170,000	0
Transmission Supported (e.g. Scheduling Service)	3,000	Transmission	0	3,000
Miscellaneous				
Facilities Use Charges	850,000	Transmission	0	850,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	2,200	Generation	2,200	0
Transfers from Other Western Projects	275,547	Transmission	0	275,547
Multi-Project Revenue				
SCADA	427,668	SCADA	4,579	423,090
Phoenix Service Center	1,940,787	Transmission	0	1,940,787
Total Annual Other Revenues	<u>9,939,202</u>		<u>176,779</u>	<u>9,762,424</u>
	100%		1.8%	98.2%
Net Expenses Before Carryover	57,683,084		13,000,623	44,682,459
Carryover Application	(5,082,305)		(916,241)	(4,166,064)
Net Expenses After Carryover	52,600,778		12,084,382	40,516,394

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2014**

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	60.22%
Generation	37	39.78%
	----- 93	----- 100%

Rate Design Loads		
	Avg CROD kW	Energy MWh
Firm Electric Service - AOF	203,481	1,071,533
Firm Electric Service - Non-AOF	30,363	158,245
Firm Electric Service - Project Use	37,303	195,267
Firm Transmission	2,855,118	0
	----- 3,126,265	----- 1,425,045

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

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	5,494,600	Customers/Gen/Tran	1,928,254	3,566,346
Substation & Transmission Lines	16,088,171	Transmission	0	16,088,171
Communication & Control Equipment	1,324,531	SCADA	14,180	1,310,351
System Operation & Load Dispatch	6,348,493	SCADA/Tran	63,637	6,284,856
Subtotal Western O&M	<u>29,255,795</u>		<u>2,006,071</u>	<u>27,249,724</u>
	100%		6.9%	93.1%
Western General Expenses				
Western General Expenses	6,523,437	% of Subtotal	447,312	6,076,125
Bureau of Reclamation O&M	7,968,000	Generation	7,968,000	0
Purchase Power	1,876,620	Gen & Tran	1,000,000	876,620
Capitalized Movable Equipment	1,181,564	% of Subtotal	81,021	1,100,543
Mead Service Center (Multi-Project)	144,681	Transmission	0	144,681
Bureau of Reclamation Replacements	4,438,500	Generation	4,438,500	0
Principal/Interest Payments - Reclamation	90,581	Generation	90,581	0
Principal/Interest Payments - Western	<u>22,479,737</u>	Transmission	<u>0</u>	<u>22,479,737</u>
Total Annual Gross Expenses	<u>73,958,916</u>		<u>16,031,485</u>	<u>57,927,429</u>
	100%		21.7%	78.3%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	3,150,000	Transmission	0	3,150,000
Losses	3,120,000	Transmission	0	3,120,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	170,000	Generation	170,000	0
Transmission Supported (e.g. Scheduling Service)	3,000	Transmission	0	3,000
Miscellaneous				
Facilities Use Charges	850,000	Transmission	0	850,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	2,200	Generation	2,200	0
Transfers from Other Western Projects	270,001	Transmission	0	270,001
Multi-Project Revenue				
SCADA	458,525	SCADA	4,909	453,616
Phoenix Service Center	<u>1,956,498</u>	Transmission	<u>0</u>	<u>1,956,498</u>
Total Annual Other Revenues	<u>9,980,224</u>		<u>177,109</u>	<u>9,803,115</u>
	100%		1.8%	98.2%
Net Expenses Before Carryover	63,978,692		15,854,376	48,124,314
Carryover Application	(11,377,915)		(3,769,995)	(7,607,920)
Net Expenses After Carryover	52,600,777		12,084,382	40,516,394

**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	60.22%
Generation	37	39.78%
	----- 93	----- 100%

Rate Design Loads		
	Avg CROD kW	Energy MWh
Firm Electric Service - AOF	203,481	1,071,533
Firm Electric Service - Non-AOF	30,363	158,245
Firm Electric Service - Project Use	37,303	195,267
Firm Transmission	2,855,118	0
	----- 3,126,265	----- 1,425,045

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

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	5,659,440	Customers/Gen/Tran	1,986,103	3,673,337
Substation & Transmission Lines	16,570,817	Transmission	0	16,570,817
Communication & Control Equipment	1,364,267	SCADA	14,606	1,349,661
System Operation & Load Dispatch	6,538,947	SCADA/Tran	65,546	6,473,401
Subtotal Western O&M	<u>30,133,471</u>		<u>2,066,255</u>	<u>28,067,216</u>
	100%		6.9%	93.1%
Western General Expenses				
Western General Expenses	6,675,235	% of Subtotal	457,721	6,217,514
Bureau of Reclamation O&M	7,548,000	Generation	7,548,000	0
Purchase Power	1,876,620	Gen & Tran	1,000,000	876,620
Capitalized Movable Equipment	1,181,564	% of Subtotal	81,021	1,100,543
Mead Service Center (Multi-Project)	144,681	Transmission	0	144,681
Bureau of Reclamation Replacements	3,000,000	Generation	3,000,000	0
Principal/Interest Payments - Reclamation	91,967	Generation	91,967	0
Principal/Interest Payments - Western	24,715,797	Transmission	0	24,715,797
Total Annual Gross Expenses	<u>75,367,336</u>		<u>14,244,964</u>	<u>61,122,371</u>
	100%		18.9%	81.1%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	3,742,232	Transmission	0	3,742,232
Losses	3,120,000	Transmission	0	3,120,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	170,000	Generation	170,000	0
Transmission Supported (e.g. Scheduling Service)	3,000	Transmission	0	3,000
Miscellaneous				
Facilities Use Charges	850,000	Transmission	0	850,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	2,200	Generation	2,200	0
Transfers from Other Western Projects	264,131	Transmission	0	264,131
Multi-Project Revenue				
SCADA	489,382	SCADA	5,239	484,143
Phoenix Service Center	1,972,209	Transmission	0	1,972,209
Total Annual Other Revenues	<u>10,613,154</u>		<u>177,439</u>	<u>10,435,715</u>
	100%		1.7%	98.3%
Net Expenses Before Carryover	64,754,182		14,067,525	50,686,656
Carryover Application	(12,153,405)		(1,983,144)	(10,170,261)
Net Expenses After Carryover	52,600,777		12,084,382	40,516,394

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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	60.22%
Generation	37	39.78%
	----- 93	----- 100%

Rate Design Loads		
	Avg CROD kW	Energy MWh
Firm Electric Service - AOF	203,481	1,071,533
Firm Electric Service - Non-AOF	30,363	158,245
Firm Electric Service - Project Use	37,303	195,267
Firm Transmission	2,855,118	0
	----- 3,126,265	----- 1,425,045