

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

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	5,179,189	Customers/Gen/Tran	1,803,950	3,375,239
Substation & Transmission Lines	15,350,142	Transmission	0	15,350,142
Communication & Control Equipment	1,248,497	SCADA	13,366	1,235,131
System Operation & Load Dispatch	6,002,482	SCADA/Tran	60,181	5,942,301
Subtotal Western O&M	<u>27,780,310</u>		<u>1,877,497</u>	<u>25,902,813</u>
	100%		6.8%	93.2%
Western General Expenses				
Western General Expenses	6,509,428	% of Subtotal	439,931	6,069,497
Bureau of Reclamation O&M	9,352,000	Generation	9,352,000	0
Purchase Power	4,480,895	Gen & Tran	2,757,488	1,723,407
Capitalized Movable Equipment	1,163,450	% of Subtotal	78,631	1,084,819
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,063,465)	Transmission	(3,568)	(2,059,897)
Bureau of Reclamation Replacements	640,000	Generation	640,000	0
Principal/Interest Payments - Reclamation	83,928	Generation	83,928	0
Principal/Interest Payments - Western	22,613,212	Transmission	0	22,613,212
Total Annual Gross Expenses	<u>70,559,759</u>		<u>15,225,907</u>	<u>55,333,850</u>
	100%		21.6%	78.4%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	4,300,000	Transmission	0	4,300,000
Losses	2,300,000	Transmission	0	2,300,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	180,000	Generation	180,000	0
Transmission Supported (e.g. Scheduling Service)	2,500	Transmission	0	2,500
Miscellaneous				
Facilities Use Charges	880,000	Transmission	0	880,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	2,700	Generation	2,700	0
Transfers from Other Western Projects	280,773	Transmission	0	280,773
Total Annual Other Revenues	<u>7,945,973</u>		<u>182,700</u>	<u>7,763,273</u>
	100%		2.3%	97.7%
Net Expenses Before Carryover	62,613,786		15,043,207	47,570,577
Carryover Application	(8,169,838)		(2,958,826)	(5,211,012)
Net Expenses After Carryover	54,443,949		12,084,382	42,359,566

**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	56	60.87%
Generation	36	39.13%
	----- 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	----- 2,575,598	----- 0
	----- 2,846,745	----- 1,425,045

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

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	5,018,209	Customers/Gen/Tran	1,818,414	3,199,795
Substation & Transmission Lines	16,630,165	Transmission	0	16,630,165
Communication & Control Equipment	1,668,700	SCADA	17,865	1,650,835
System Operation & Load Dispatch	5,150,462	SCADA/Tran	50,582	5,099,880
Subtotal Western O&M	<u>28,467,536</u>		<u>1,886,861</u>	<u>26,580,675</u>
	100%		6.6%	93.4%
Western General Expenses				
Western General Expenses	6,825,731	% of Subtotal	452,417	6,373,314
Bureau of Reclamation O&M	8,110,500	Generation	8,110,500	0
Purchase Power	2,223,407	Gen & Tran	500,000	1,723,407
Capitalized Movable Equipment	1,163,450	% of Subtotal	77,114	1,086,336
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,083,326)	Transmission	(3,780)	(2,079,546)
Bureau of Reclamation Replacements	1,662,000	Generation	1,662,000	0
Principal/Interest Payments - Reclamation	84,098	Generation	84,098	0
Principal/Interest Payments - Western	22,867,865	Transmission	0	22,867,865
Total Annual Gross Expenses	<u>69,321,261</u>		<u>12,769,210</u>	<u>56,552,050</u>
	100%		18.4%	81.6%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	4,300,000	Transmission	0	4,300,000
Losses	2,300,000	Transmission	0	2,300,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	180,000	Generation	180,000	0
Transmission Supported (e.g. Scheduling Service)	2,500	Transmission	0	2,500
Miscellaneous				
Facilities Use Charges	880,000	Transmission	0	880,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	2,700	Generation	2,700	0
Transfers from Other Western Projects	275,547	Transmission	0	275,547
Total Annual Other Revenues	<u>7,940,747</u>		<u>182,700</u>	<u>7,758,047</u>
	100%		2.3%	97.7%
Net Expenses Before Carryover	61,380,514		12,586,510	48,794,003
Carryover Application	(3,402,566)		(502,129)	(2,900,437)
Net Expenses After Carryover	57,977,948		12,084,382	45,893,566

**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	58	61.70%
Generation	36	38.30%
	----- 94	----- 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	2,813,098	0
	----- 3,084,245	----- 1,425,045

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

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	5,118,573	Customers/Gen/Tran	1,854,781	3,263,792
Substation & Transmission Lines	16,962,769	Transmission	0	16,962,769
Communication & Control Equipment	1,702,074	SCADA	18,222	1,683,852
System Operation & Load Dispatch	5,253,472	SCADA/Tran	51,595	5,201,877
Subtotal Western O&M	<u>29,036,888</u>		<u>1,924,598</u>	<u>27,112,290</u>
	100%		6.6%	93.4%
Western General Expenses				
Western General Expenses	6,927,447	% of Subtotal	459,159	6,468,288
Bureau of Reclamation O&M	8,070,500	Generation	8,070,500	0
Purchase Power	2,223,407	Gen & Tran	500,000	1,723,407
Capitalized Movable Equipment	1,163,450	% of Subtotal	77,114	1,086,336
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,103,187)	Transmission	(3,993)	(2,099,194)
Bureau of Reclamation Replacements	1,542,000	Generation	1,542,000	0
Principal/Interest Payments - Reclamation	84,394	Generation	84,394	0
Principal/Interest Payments - Western	23,268,256	Transmission	0	23,268,256
Total Annual Gross Expenses	<u>70,213,156</u>		<u>12,653,772</u>	<u>57,559,382</u>
	100%		18.0%	82.0%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	4,300,000	Transmission	0	4,300,000
Losses	2,300,000	Transmission	0	2,300,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	180,000	Generation	180,000	0
Transmission Supported (e.g. Scheduling Service)	2,500	Transmission	0	2,500
Miscellaneous				
Facilities Use Charges	880,000	Transmission	0	880,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	2,700	Generation	2,700	0
Transfers from Other Western Projects	270,001	Transmission	0	270,001
Total Annual Other Revenues	<u>7,935,201</u>		<u>182,700</u>	<u>7,752,501</u>
	100%		2.3%	97.7%
Net Expenses Before Carryover	62,277,955		12,471,072	49,806,881
Carryover Application	(3,667,606)		(386,690)	(3,280,916)
Net Expenses After Carryover	58,610,349		12,084,382	46,525,966

**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	58	61.70%
Generation	36	38.30%
	----- 94	----- 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	2,855,598	0
	----- 3,126,745	----- 1,425,045

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

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	5,220,942	Customers/Gen/Tran	1,891,876	3,329,066
Substation & Transmission Lines	17,302,025	Transmission	0	17,302,025
Communication & Control Equipment	1,736,115	SCADA	18,587	1,717,528
System Operation & Load Dispatch	5,358,542	SCADA/Tran	52,626	5,305,916
Subtotal Western O&M	<u>29,617,624</u>		<u>1,963,089</u>	<u>27,654,535</u>
	100%		6.6%	93.4%
Western General Expenses				
Western General Expenses	7,031,197	% of Subtotal	466,036	6,565,161
Bureau of Reclamation O&M	7,781,865	Generation	7,781,865	0
Purchase Power	2,223,407	Gen & Tran	500,000	1,723,407
Capitalized Movable Equipment	1,163,450	% of Subtotal	77,114	1,086,336
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,123,047)	Transmission	(4,206)	(2,118,841)
Bureau of Reclamation Replacements	1,500,000	Generation	1,500,000	0
Principal/Interest Payments - Reclamation	84,963	Generation	84,963	0
Principal/Interest Payments - Western	25,630,432	Transmission	0	25,630,432
Total Annual Gross Expenses	<u>72,909,892</u>		<u>12,368,861</u>	<u>60,541,030</u>
	100%		17.0%	83.0%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	4,300,000	Transmission	0	4,300,000
Losses	2,300,000	Transmission	0	2,300,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	180,000	Generation	180,000	0
Transmission Supported (e.g. Scheduling Service)	2,500	Transmission	0	2,500
Miscellaneous				
Facilities Use Charges	880,000	Transmission	0	880,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	2,700	Generation	2,700	0
Transfers from Other Western Projects	264,131	Transmission	0	264,131
Total Annual Other Revenues	<u>7,929,331</u>		<u>182,700</u>	<u>7,746,631</u>
	100%		2.3%	97.7%
Net Expenses Before Carryover	64,980,560		12,186,161	52,794,399
Carryover Application	(6,370,212)		(101,779)	(6,268,433)
Net Expenses After Carryover	58,610,348		12,084,382	46,525,966

**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	58	61.70%
Generation	36	38.30%
	----- 94	----- 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	2,855,598	0
	----- 3,126,745	----- 1,425,045

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

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	5,325,362	Customers/Gen/Tran	1,929,715	3,395,647
Substation & Transmission Lines	17,648,065	Transmission	0	17,648,065
Communication & Control Equipment	1,770,837	SCADA	18,958	1,751,879
System Operation & Load Dispatch	5,465,713	SCADA/Tran	53,680	5,412,033
Subtotal Western O&M	<u>30,209,977</u>		<u>2,002,353</u>	<u>28,207,624</u>
	100%		6.6%	93.4%
Western General Expenses				
Western General Expenses	7,137,022	% of Subtotal	473,050	6,663,972
Bureau of Reclamation O&M	7,904,571	Generation	7,904,571	(0)
Purchase Power	2,223,407	Gen & Tran	500,000	1,723,407
Capitalized Movable Equipment	1,163,450	% of Subtotal	77,114	1,086,336
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,142,908)	Transmission	(4,418)	(2,138,490)
Bureau of Reclamation Replacements	1,750,000	Generation	1,750,000	0
Principal/Interest Payments - Reclamation	85,673	Generation	85,673	0
Principal/Interest Payments - Western	27,598,193	Transmission	0	27,598,193
Total Annual Gross Expenses	<u>75,929,386</u>		<u>12,788,343</u>	<u>63,141,042</u>
	100%		16.8%	83.2%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	4,300,000	Transmission	0	4,300,000
Losses	3,347,755	Transmission	0	3,347,755
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	180,000	Generation	180,000	0
Transmission Supported (e.g. Scheduling Service)	2,500	Transmission	0	2,500
Miscellaneous				
Facilities Use Charges	880,000	Transmission	0	880,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	2,700	Generation	2,700	0
Transfers from Other Western Projects	257,938	Transmission	0	257,938
Total Annual Other Revenues	<u>8,970,893</u>		<u>182,700</u>	<u>8,788,193</u>
	100%		2.0%	98.0%
Net Expenses Before Carryover	66,958,493		12,605,643	54,352,849
Carryover Application	(8,348,145)		(521,261)	(7,826,884)
Net Expenses After Carryover	58,610,348		12,084,382	46,525,966

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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	58	61.70%
Generation	36	38.30%
	----- 94	----- 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	2,855,598	0
	----- 3,126,745	----- 1,425,045