

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

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	5,678,248	Customers/Gen/Tran	1,844,048	3,834,200
Substation & Transmission Lines	17,751,191	Transmission	0	17,751,191
Communication & Control Equipment	996,105	SCADA	10,664	985,441
System Operation & Load Dispatch	5,940,919	SCADA/Tran	58,008	5,882,911
Subtotal Western O&M	30,366,463		1,912,720	28,453,743
	100%		6.3%	93.7%
Western General Expenses	7,961,383	% of Subtotal	501,471	7,459,912
Bureau of Reclamation O&M	9,205,000	Generation	9,205,000	0
Purchase Power	3,240,000	Gen & Tran	1,340,000	1,900,000
Capitalized Movable Equipment	1,063,196	% of Subtotal	66,969	996,227
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,412,334)	Transmission	(5,256)	(2,407,078)
Bureau of Reclamation Replacements	2,950,000	Generation	2,950,000	0
Principal/Interest Payments - Reclamation	83,522	Generation	83,522	0
Principal/Interest Payments - Western	24,152,868	Transmission	0	24,152,868
Total Annual Gross Expenses	76,610,098		16,054,426	60,555,672
	100%		21.0%	79.0%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	3,150,000	Transmission	0	3,150,000
Losses	4,150,000	Transmission	0	4,150,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	250,000	Generation	250,000	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	8,807,938		250,000	8,557,938
	100%		2.8%	97.2%
Expenses Less Other Revenues	67,802,160		15,804,426	51,997,734
Interest Credits	0		0	0
Carryover Application	(5,886,173)		(86,180)	(5,799,994)
Total Credits & Carryover	(5,886,173)		(86,180)	(5,799,994)
Revenue Requirement	61,915,987		15,718,246	46,197,740

**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	2,421,029	0
	----- 2,692,176	----- 1,425,045

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

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	6,504,998	Customers/Gen/Tran	1,953,228	4,551,770
Substation & Transmission Lines	15,929,241	Transmission	0	15,929,241
Communication & Control Equipment	1,196,611	SCADA	12,811	1,183,800
System Operation & Load Dispatch	6,128,398	SCADA/Tran	59,522	6,068,876
Subtotal Western O&M	29,759,249		2,025,561	27,733,688
	100%		6.8%	93.2%
Western General Expenses	4,002,979	% of Subtotal	272,462	3,730,517
Bureau of Reclamation O&M	9,584,500	Generation	9,584,500	0
Purchase Power	3,580,000	Gen & Tran	1,680,000	1,900,000
Capitalized Movable Equipment	1,063,196	% of Subtotal	72,366	990,830
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,410,649)	Transmission	(5,204)	(2,405,445)
Bureau of Reclamation Replacements	3,030,000	Generation	3,030,000	0
Principal/Interest Payments - Reclamation	84,447	Generation	84,447	0
Principal/Interest Payments - Western	25,200,848	Transmission	0	25,200,848
Total Annual Gross Expenses	73,894,571		16,744,132	57,150,437
	100%		22.7%	77.3%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	3,150,000	Transmission	0	3,150,000
Losses	4,150,000	Transmission	0	4,150,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	250,000	Generation	250,000	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	8,802,182		250,000	8,552,182
	100%		2.8%	97.2%
Expenses Less Other Revenues	65,092,389		16,494,132	48,598,255
Interest Credits	0		0	0
Carryover Application	(2,374,171)		(775,886)	(1,598,285)
Total Credits & Carryover	(2,374,171)		(775,886)	(1,598,285)
Revenue Requirement	62,718,217		15,718,246	46,999,970

**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	57	61.29%
Generation	36	38.71%
	----- 93	----- 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	----- 2,467,779	----- 0
	----- 2,738,926	----- 1,425,045

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

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	6,672,633	Customers/Gen/Tran	2,002,549	4,670,084
Substation & Transmission Lines	16,305,356	Transmission	0	16,305,356
Communication & Control Equipment	1,225,827	SCADA	13,124	1,212,703
System Operation & Load Dispatch	6,303,953	SCADA/Tran	61,243	6,242,710
Subtotal Western O&M	30,507,769		2,076,916	28,430,853
	100%		6.8%	93.2%
Western General Expenses	4,056,411	% of Subtotal	276,153	3,780,257
Bureau of Reclamation O&M	10,709,500	Generation	10,709,500	0
Purchase Power	3,920,000	Gen & Tran	2,020,000	1,900,000
Capitalized Movable Equipment	1,063,196	% of Subtotal	72,381	990,815
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,320,263)	Transmission	(4,488)	(2,315,775)
Bureau of Reclamation Replacements	2,635,000	Generation	2,635,000	0
Principal/Interest Payments - Reclamation	83,685	Generation	83,685	0
Principal/Interest Payments - Western	26,952,407	Transmission	0	26,952,407
Total Annual Gross Expenses	77,607,705		17,869,147	59,738,557
	100%		23.0%	77.0%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	3,150,000	Transmission	0	3,150,000
Losses	4,150,000	Transmission	0	4,150,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	250,000	Generation	250,000	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	8,813,374		250,000	8,563,374
	100%		2.8%	97.2%
Expenses Less Other Revenues	68,794,331		17,619,147	51,175,183
Interest Credits	0		0	0
Carryover Application	(3,859,608)		(1,900,901)	(1,958,707)
Total Credits & Carryover	(3,859,608)		(1,900,901)	(1,958,707)
Revenue Requirement	64,934,723		15,718,246	49,216,476

**PARKER-DAVIS PROJECT
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	57	61.29%
Generation	36	38.71%
	93	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	2,596,946	0
	2,868,093	1,425,045

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2020**

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	6,844,644	Customers/Gen/Tran	2,053,125	4,791,519
Substation & Transmission Lines	16,690,483	Transmission	0	16,690,483
Communication & Control Equipment	1,255,765	SCADA	13,444	1,242,321
System Operation & Load Dispatch	6,484,575	SCADA/Tran	63,017	6,421,558
Subtotal Western O&M	31,275,467		2,129,586	29,145,881
	100%		6.8%	93.2%
Western General Expenses	4,110,911	% of Subtotal	279,917	3,830,994
Bureau of Reclamation O&M	10,917,000	Generation	10,917,000	0
Purchase Power	4,260,000	Gen & Tran	2,360,000	1,900,000
Capitalized Movable Equipment	1,063,196	% of Subtotal	72,394	990,802
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,029,408)	Transmission	(4,186)	(2,025,222)
Bureau of Reclamation Replacements	1,763,000	Generation	1,763,000	0
Principal/Interest Payments - Reclamation	84,345	Generation	84,345	0
Principal/Interest Payments - Western	29,073,999	Transmission	0	29,073,999
Total Annual Gross Expenses	80,518,511		17,602,056	62,916,453
	100%		21.9%	78.1%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	3,150,000	Transmission	0	3,150,000
Losses	4,150,000	Transmission	0	4,150,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	250,000	Generation	250,000	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	8,813,374		250,000	8,563,374
	100%		2.8%	97.2%
Expenses Less Other Revenues	71,705,137		17,352,056	54,353,079
Interest Credits	0		0	0
Carryover Application	(6,884,030)		(1,633,810)	(5,250,220)
Total Credits & Carryover	(6,884,030)		(1,633,810)	(5,250,220)
Revenue Requirement	64,821,107		15,718,246	49,102,860

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2020**

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	57	61.29%
Generation	36	38.71%
	93	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	2,590,325	0
	2,861,472	1,425,045

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2021**

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
Systemwide Expenses	7,021,148	Customers/Gen/Tran	2,104,981	4,916,167
Substation & Transmission Lines	17,084,840	Transmission	0	17,084,840
Communication & Control Equipment	1,286,441	SCADA	13,772	1,272,669
System Operation & Load Dispatch	6,670,412	SCADA/Tran	64,842	6,605,570
Subtotal Western O&M	32,062,842		2,183,595	29,879,247
	100%		6.8%	93.2%
Western General Expenses	4,166,501	% of Subtotal	283,702	3,882,799
Bureau of Reclamation O&M	11,246,500	Generation	11,246,500	0
Purchase Power	4,600,000	Gen & Tran	2,700,000	1,900,000
Capitalized Movable Equipment	1,063,196	% of Subtotal	72,394	990,802
Multi-Project (SCADA, Mead, Phoenix Service Center)	(1,886,177)	Transmission	(2,652)	(1,883,525)
Bureau of Reclamation Replacements	2,624,000	Generation	2,624,000	0
Principal/Interest Payments - Reclamation	84,961	Generation	84,961	0
Principal/Interest Payments - Western	31,692,673	Transmission	0	31,692,673
Total Annual Gross Expenses	85,654,497		19,192,500	66,461,996
	100%		22.4%	77.6%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	3,223,136	Transmission	0	3,223,136
Losses	4,223,136	Transmission	0	4,223,136
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	250,000	Generation	250,000	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	8,959,646		250,000	8,709,646
	100%		2.8%	97.2%
Expenses Less Other Revenues	76,694,851		18,942,500	57,752,350
Interest Credits	0		0	0
Carryover Application	(11,873,744)		(3,224,254)	(8,649,490)
Total Credits & Carryover	(11,873,744)		(3,224,254)	(8,649,490)
Revenue Requirement	64,821,107		15,718,246	49,102,860

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COST APPORTIONMENT STUDY
FY2021**

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	57	61.29%
Generation	36	38.71%
	----- 93	----- 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	----- 2,590,325	----- 0
	----- 2,861,472	----- 1,425,045