

**PARKER-DAVIS PROJECT  
COST APPORTIONMENT STUDY**

**100% Principal Payment Option  
Full Generation Replacements**

**FY2020**

<b>Annual Expenses</b>	<b>Total</b>	<b>Allocation Factor</b>	<b>Generation</b>	<b>Transmission</b>
Western O&M				
Systemwide Expenses	7,675,890	Customers/Gen/Tran	2,800,723	4,875,167
Substation & Transmission Lines	21,506,290	Transmission	0	21,506,290
Communication & Control Equipment	1,392,399	SCADA	14,907	1,377,492
System Operation & Load Dispatch	7,801,474	SCADA/Tran	75,056	7,726,418
Subtotal Western O&M	38,376,053		2,890,686	35,485,367
	100%		7.5%	92.5%
Western General Expenses	1,457,908	% of Subtotal	109,817	1,348,091
Bureau of Reclamation O&M	11,513,500	Generation	11,513,500	0
Purchase Power	7,160,810	Gen & Tran	5,260,810	1,900,000
Capitalized Movable Equipment	1,487,786	% of Subtotal	112,068	1,375,718
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,162,144)	Transmission	(3,758)	(2,158,386)
Bureau of Reclamation Replacements	1,800,000	Generation	1,800,000	0
Principal/Interest Payments - Reclamation	536,731	Generation	536,731	(0)
Principal/Interest Payments - Western	28,244,779	Transmission	0	28,244,779
Total Annual Gross Expenses	88,415,425		22,219,854	66,195,569
	100%		25.1%	74.9%
<b>Other Revenues</b>				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	2,125,000	Transmission	0	2,125,000
Losses	2,125,000	Transmission	0	2,125,000
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	5,763,374		250,000	5,513,374
	100%		4.3%	95.7%
Expenses Less Other Revenues	82,652,051		21,969,854	60,682,195
Interest Credits	0		0	0
Carryover Application	1,354,076		(750,934)	2,105,011
Total Credits & Carryover	1,354,076		(750,934)	2,105,011
Revenue Requirement	84,006,128		21,218,920	62,787,206



**PARKER-DAVIS PROJECT  
COST APPORTIONMENT STUDY**

**100% Principal Payment Option  
Full Generation Replacements**

**FY2020**

**Cost Allocation Factors & Rate Design Loads**

<b>SCADA Points</b>		
	Number	Percentage
Generation	91	1.071%
Transmission	8,409	98.929%
	8,500	100%

<b>Customers</b>		
	Count	Percentage
Transmission	50	58.14%
Generation	36	41.86%
	86	100%

<b>Rate Design Loads</b>		
	Avg GROD kW	Energy MWh
Firm Electric Service - AOF	233,844	1,229,778
Firm Electric Service - Project Use	37,303	195,267
Firm Transmission	2,331,971	0
	2,603,118	1,425,045



**PARKER-DAVIS PROJECT  
COST APPORTIONMENT STUDY**

**100% Principal Payment Option  
Full Generation Replacements**

**FY2021**

<b>Annual Expenses</b>	<b>Total</b>	<b>Allocation Factor</b>	<b>Generation</b>	<b>Transmission</b>
<b>Western O&amp;M</b>				
Systemwide Expenses	6,938,732	Customers/Gen/Tran	2,061,353	4,877,379
Substation & Transmission Lines	21,161,709	Transmission	0	21,161,709
Communication & Control Equipment	1,820,141	SCADA	19,486	1,800,655
System Operation & Load Dispatch	7,396,093	SCADA/Tran	71,492	7,324,601
Subtotal Western O&M	37,316,674		2,152,331	35,164,343
	100%		5.8%	94.2%
Western General Expenses	1,457,908	% of Subtotal	84,088	1,373,820
Bureau of Reclamation O&M	11,363,500	Generation	11,363,500	0
Purchase Power	7,160,810	Gen & Tran	5,260,810	1,900,000
Capitalized Movable Equipment	1,487,786	% of Subtotal	85,812	1,401,974
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,051,661)	Transmission	(2,155)	(2,049,506)
Bureau of Reclamation Replacements	1,700,000	Generation	1,700,000	0
Principal/Interest Payments - Reclamation	536,666	Generation	536,667	(0)
Principal/Interest Payments - Western	30,627,316	Transmission	0	30,627,316
Total Annual Gross Expenses	89,599,000		21,181,053	68,417,947
	100%		23.6%	76.4%
<b>Other Revenues</b>				
<b>Transmission</b>				
Nonfirm/Short-Term Firm (OASIS)	2,125,000	Transmission	0	2,125,000
Losses	2,125,000	Transmission	0	2,125,000
<b>Nonfirm Energy</b>				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
<b>Ancillary Services</b>				
Generation Supported (e.g. VAR Support, Reserves)	250,000	Generation	250,000	0
Transmission Supported (e.g. Scheduling Service)	0	Transmission	0	0
<b>Miscellaneous</b>				
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	5,763,374		250,000	5,513,374
	100%		4.3%	95.7%
<b>Expenses Less Other Revenues</b>	83,835,626		20,931,053	62,904,573
<b>Interest Credits</b>	0		0	0
Carryover Application	170,499		287,867	(117,367)
Total Credits & Carryover	170,499		287,867	(117,367)
<b>Revenue Requirement</b>	84,006,126		21,218,920	62,787,206



**PARKER-DAVIS PROJECT  
COST APPORTIONMENT STUDY**

**100% Principal Payment Option  
Full Generation Replacements**

**FY2021**

**Cost Allocation Factors & Rate Design Loads**

<b>SCADA Points</b>	<b>Number</b>	<b>Percentage</b>
Generation	91	1.071%
Transmission	8,409	98.929%
	8,500	100%

<b>Customers</b>	<b>Count</b>	<b>Percentage</b>
Transmission	50	58.14%
Generation	36	41.86%
	86	100%

<b>Rate Design Loads</b>	<b>Avg CROD kW</b>	<b>Energy MWh</b>
Firm Electric Service - AOF	233,844	1,229,778
Firm Electric Service - Project Use	37,303	195,267
Firm Transmission	2,331,971	0
	2,603,118	1,425,045



**PARKER-DAVIS PROJECT  
COST APPORTIONMENT STUDY**

**100% Principal Payment Option  
Full Generation Replacements**

**FY2022**

<b>Annual Expenses</b>	<b>Total</b>	<b>Allocation Factor</b>	<b>Generation</b>	<b>Transmission</b>
Western O&M				
Systemwide Expenses	7,077,506	Customers/Gen/Tran	2,102,582	4,974,924
Substation & Transmission Lines	21,584,943	Transmission	0	21,584,943
Communication & Control Equipment	1,856,543	SCADA	19,876	1,836,667
System Operation & Load Dispatch	7,544,015	SCADA/Tran	72,923	7,471,092
Subtotal Western O&M	38,063,007		2,195,381	35,867,626
	100%		5.8%	94.2%
Western General Expenses	1,457,908	% of Subtotal	84,089	1,373,820
Bureau of Reclamation O&M	12,135,000	Generation	12,135,000	0
Purchase Power	7,160,810	Gen & Tran	5,260,810	1,900,000
Capitalized Movable Equipment	1,487,786	% of Subtotal	85,812	1,401,974
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,039,533)	Transmission	(2,091)	(2,037,442)
Bureau of Reclamation Replacements	1,200,000	Generation	1,200,000	0
Principal/Interest Payments - Reclamation	536,662	Generation	536,662	0
Principal/Interest Payments - Western	32,229,477	Transmission	0	32,229,477
Total Annual Gross Expenses	92,231,118		21,495,663	70,735,456
	100%		23.3%	76.7%
<b>Other Revenues</b>				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	2,125,000	Transmission	0	2,125,000
Losses	2,125,000	Transmission	0	2,125,000
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	5,763,374		250,000	5,513,374
	100%		4.3%	95.7%
Expenses Less Other Revenues	86,467,744		21,245,663	65,222,082
Interest Credits	0		0	0
Carryover Application	(49,618)		(26,743)	(22,875)
Total Credits & Carryover	(49,618)		(26,743)	(22,875)
Revenue Requirement	86,418,126		21,218,920	65,199,206



**PARKER-DAVIS PROJECT  
COST APPORTIONMENT STUDY**

**100% Principal Payment Option  
Full Generation Replacements**

**FY2022**

**Cost Allocation Factors & Rate Design Loads**

<b>SCADA Points</b>		
	Number	Percentage
Generation	91	1.071%
Transmission	8,409	98.929%
	8,500	100%

<b>Customers</b>		
	Count	Percentage
Transmission	50	58.14%
Generation	36	41.86%
	86	100%

<b>Rate Design Loads</b>		
	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	2,431,971	0
	2,703,118	1,425,045



**PARKER-DAVIS PROJECT  
COST APPORTIONMENT STUDY**

**100% Principal Payment Option  
Full Generation Replacements**

**FY2023**

<b>Annual Expenses</b>	<b>Total</b>	<b>Allocation Factor</b>	<b>Generation</b>	<b>Transmission</b>
<b>Western O&amp;M</b>				
Systemwide Expenses	7,219,056	Customers/Gen/Tran	2,144,632	5,074,424
Substation & Transmission Lines	20,520,692	Transmission	0	20,520,692
Communication & Control Equipment	1,893,674	SCADA	20,273	1,873,401
System Operation & Load Dispatch	7,694,895	SCADA/Tran	74,381	7,620,514
Subtotal Western O&M	37,328,318		2,239,286	35,089,032
	100%		6.0%	94.0%
<b>Western General Expenses</b>				
Bureau of Reclamation O&M	1,457,908	% of Subtotal	87,458	1,370,450
Purchase Power	12,310,500	Generation	12,310,500	0
Capitalized Movable Equipment	7,160,810	Gen & Tran	5,260,810	1,900,000
Multi-Project (SCADA, Mead, Phoenix Service Center)	1,487,786	% of Subtotal	89,251	1,398,535
Bureau of Reclamation Replacements	(2,012,359)	Transmission	(2,091)	(2,010,268)
Principal/Interest Payments - Reclamation	800,000	Generation	800,000	0
Principal/Interest Payments - Western	536,485	Generation	536,486	(0)
Principal/Interest Payments - Western	32,969,662	Transmission	0	32,969,662
Total Annual Gross Expenses	92,039,113		21,321,700	70,717,412
	100%		23.2%	76.8%
<b>Other Revenues</b>				
<b>Transmission</b>				
Nonfirm/Short-Term Firm (OASIS)	2,125,000	Transmission	0	2,125,000
Losses	2,125,000	Transmission	0	2,125,000
<b>Nonfirm Energy</b>				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
<b>Ancillary Services</b>				
Generation Supported (e.g. VAR Support, Reserves)	250,000	Generation	250,000	0
Transmission Supported (e.g. Scheduling Service)	0	Transmission	0	0
<b>Miscellaneous</b>				
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	5,763,374		250,000	5,513,374
	100%		4.3%	95.7%
<b>Expenses Less Other Revenues</b>	86,275,739		21,071,700	65,204,038
<b>Interest Credits</b>	0		0	0
Carryover Application	142,388		147,220	(4,831)
Total Credits & Carryover	142,388		147,220	(4,831)
<b>Revenue Requirement</b>	86,418,127		21,218,920	65,199,206



**PARKER-DAVIS PROJECT  
COST APPORTIONMENT STUDY**

**100% Principal Payment Option  
Full Generation Replacements**

**FY2023**

**Cost Allocation Factors & Rate Design Loads**

<b>SCADA Points</b>		
	Number	Percentage
Generation	91	1.071%
Transmission	8,409	98.929%
	8,500	100%

<b>Customers</b>		
	Count	Percentage
Transmission	50	58.14%
Generation	36	41.86%
	86	100%

<b>Rate Design Loads</b>		
	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	2,431,971	0
	2,703,118	1,425,045





**PARKER-DAVIS PROJECT  
COST APPORTIONMENT STUDY**

**100% Principal Payment Option  
Full Generation Replacements**

**FY2024**

<b>Annual Expenses</b>	Total	Allocation Factor	Generation	Transmission
<b>Western O&amp;M</b>				
Systemwide Expenses	7,363,437	Customers/Gen/Tran	2,187,524	5,175,913
Substation & Transmission Lines	20,931,106	Transmission	0	20,931,106
Communication & Control Equipment	1,931,548	SCADA	20,679	1,910,869
System Operation & Load Dispatch	7,848,793	SCADA/Tran	75,868	7,772,925
Subtotal Western O&M	38,074,884		2,284,071	35,790,813
	100%		6.0%	94.0%
<b>Western General Expenses</b>				
Western General Expenses	1,457,908	% of Subtotal	87,458	1,370,450
Bureau of Reclamation O&M	12,397,500	Generation	12,397,500	0
Purchase Power	7,160,810	Gen & Tran	5,260,810	1,900,000
Capitalized Movable Equipment	1,487,786	% of Subtotal	89,250	1,398,536
Multi-Project (SCADA, Mead, Phoenix Service Center)	(1,929,229)	Transmission	(1,073)	(1,928,156)
Bureau of Reclamation Replacements	500,000	Generation	500,000	0
Principal/Interest Payments - Reclamation	536,499	Generation	536,499	0
Principal/Interest Payments - Western	34,025,669	Transmission	0	34,025,669
Total Annual Gross Expenses	93,711,828		21,154,515	72,557,313
	100%		22.6%	77.4%
<b>Other Revenues</b>				
<b>Transmission</b>				
Nonfirm/Short-Term Firm (OASIS)	2,081,489	Transmission	0	2,081,489
Losses	2,081,489	Transmission	0	2,081,489
<b>Nonfirm Energy</b>				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
<b>Ancillary Services</b>				
Generation Supported (e.g. VAR Support, Reserves)	250,000	Generation	250,000	0
Transmission Supported (e.g. Scheduling Service)	0	Transmission	0	0
<b>Miscellaneous</b>				
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	5,676,352		250,000	5,426,352
	100%		4.4%	95.6%
<b>Expenses Less Other Revenues</b>				
Expenses Less Other Revenues	88,035,476		20,904,515	67,130,961
<b>Interest Credits</b>				
Interest Credits	0		0	0
Carryover Application	(1,617,350)		314,405	(1,931,755)
Total Credits & Carryover	(1,617,350)		314,405	(1,931,755)
<b>Revenue Requirement</b>				
Revenue Requirement	86,418,126		21,218,920	65,199,206



**PARKER-DAVIS PROJECT  
COST APPORTIONMENT STUDY**

**100% Principal Payment Option  
Full Generation Replacements**

**FY2024**

**Cost Allocation Factors & Rate Design Loads**

<b>SCADA Points</b>		
	Number	Percentage
Generation	91	1.071%
Transmission	8,409	98.929%
	8,500	100%

<b>Customers</b>		
	Count	Percentage
Transmission	50	58.14%
Generation	36	41.86%
	86	100%

<b>Rate Design Loads</b>		
	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	2,431,971	0
	2,703,118	1,425,045

