

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY**

Leveled Option 2

FY2020

Annual Expenses	Total	Allocation Factor	Generation	Transmission
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	0	Generation	0	0
Principal/Interest Payments - Reclamation	564,154	Generation	564,153	0
Principal/Interest Payments - Western	24,458,715	Transmission	0	24,458,715
Total Annual Gross Expenses	82,856,784		20,447,276	62,409,506
	100%		24.7%	75.3%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	2,625,000	Transmission	0	2,625,000
Losses	2,625,000	Transmission	0	2,625,000
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	6,763,374		250,000	6,513,374
	100%		3.7%	96.3%
Expenses Less Other Revenues	76,093,410		20,197,276	55,896,132
Interest Credits	0		0	0
Carryover Application	(5,954,834)		(1,600,439)	(4,354,395)
Total Credits & Carryover	(5,954,834)		(1,600,439)	(4,354,395)
Revenue Requirement	70,138,575		18,596,837	51,541,736



**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY**

Leveled Option 2

FY2020

Cost Allocation Factors & Rate Design Loads

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

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

Rate Design Loads	<u>Avg CROD kW</u>	<u>Energy MWh</u>
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**

Leveled Option 2

FY2021

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
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	0	Generation	0	0
Principal/Interest Payments - Reclamation	635,216	Generation	635,216	0
Principal/Interest Payments - Western	25,973,637	Transmission	0	25,973,637
Total Annual Gross Expenses	83,343,870		19,579,602	63,764,268
	100%		23.5%	76.5%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	2,625,000	Transmission	0	2,625,000
Losses	2,625,000	Transmission	0	2,625,000
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	6,763,374		250,000	6,513,374
	100%		3.7%	96.3%
Expenses Less Other Revenues	76,580,496		19,329,602	57,250,894
Interest Credits	0		0	0
Carryover Application	(3,159,155)		51,010	(3,210,165)
Total Credits & Carryover	(3,159,155)		51,010	(3,210,165)
Revenue Requirement	73,421,341		19,380,612	54,040,730



**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY**

Leveled Option 2

FY2021

Cost Allocation Factors & Rate Design Loads

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

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

Rate Design Loads	<u>Avg CROD kW</u>	<u>Energy MWh</u>
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**

Leveled Option 2

FY2022

Annual Expenses	Total	Allocation Factor	Generation	Transmission
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	0	Generation	0	0
Principal/Interest Payments - Reclamation	695,916	Generation	695,916	0
Principal/Interest Payments - Western	26,543,844	Transmission	0	26,543,844
Total Annual Gross Expenses	85,504,739		20,454,917	65,049,822
	100%		23.9%	76.1%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	2,625,000	Transmission	0	2,625,000
Losses	2,625,000	Transmission	0	2,625,000
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	6,763,374		250,000	6,513,374
	100%		3.7%	96.3%
Expenses Less Other Revenues	78,741,365		20,204,917	58,536,448
Interest Credits	0		0	0
Carryover Application	134,745		(40,530)	175,275
Total Credits & Carryover	134,745		(40,530)	175,275
Revenue Requirement	78,876,109		20,164,387	58,711,723



**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY**

Leveled Option 2

FY2022

Cost Allocation Factors & Rate Design Loads

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

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

Rate Design Loads	<u>Avg CROD kW</u>	<u>Energy MWh</u>
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**

Leveled Option 2

FY2023

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
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	<u>37,328,318</u>		<u>2,239,286</u>	<u>35,089,032</u>
	100%		6.0%	94.0%
Western General Expenses	1,457,908	% of Subtotal	87,458	1,370,450
Bureau of Reclamation O&M	12,310,500	Generation	12,310,500	0
Purchase Power	7,160,810	Gen & Tran	5,260,810	1,900,000
Capitalized Movable Equipment	1,487,786	% of Subtotal	89,251	1,398,535
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,012,359)	Transmission	(2,091)	(2,010,268)
Bureau of Reclamation Replacements	0	Generation	0	0
Principal/Interest Payments - Reclamation	737,987	Generation	737,987	0
Principal/Interest Payments - Western	<u>26,852,885</u>	Transmission	<u>0</u>	<u>26,852,885</u>
Total Annual Gross Expenses	<u>85,323,837</u>		<u>20,723,201</u>	<u>64,600,635</u>
	100%		24.3%	75.7%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	2,625,000	Transmission	0	2,625,000
Losses	2,625,000	Transmission	0	2,625,000
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	<u>263,374</u>	Transmission	<u>0</u>	<u>263,374</u>
Total Annual Other Revenues	<u>6,763,374</u>		<u>250,000</u>	<u>6,513,374</u>
	100%		3.7%	96.3%
Expenses Less Other Revenues	78,560,463		20,473,201	58,087,261
Interest Credits	0		0	0
Carryover Application	<u>3,694,416</u>		<u>474,960</u>	<u>3,219,456</u>
Total Credits & Carryover	<u>3,694,416</u>		<u>474,960</u>	<u>3,219,456</u>
Revenue Requirement	82,254,878		20,948,162	61,306,716



**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY**

Leveled Option 2

FY2023

Cost Allocation Factors & Rate Design Loads

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

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

Rate Design Loads	<u>Avg CROD kW</u>	<u>Energy MWh</u>
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**

Leveled Option 2

FY2024

Annual Expenses	Total	Allocation Factor	Generation	Transmission
Western O&M				
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	<u>38,074,884</u>		<u>2,284,071</u>	<u>35,790,813</u>
	100%		6.0%	94.0%
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	0	Generation	0	0
Principal/Interest Payments - Reclamation	765,539	Generation	765,539	0
Principal/Interest Payments - Western	<u>27,526,309</u>	Transmission	<u>0</u>	<u>27,526,309</u>
Total Annual Gross Expenses	<u>86,941,508</u>		<u>20,883,555</u>	<u>66,057,953</u>
	100%		24.0%	76.0%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	2,539,659	Transmission	0	2,539,659
Losses	2,539,659	Transmission	0	2,539,659
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	<u>263,374</u>	Transmission	<u>0</u>	<u>263,374</u>
Total Annual Other Revenues	<u>6,592,692</u>		<u>250,000</u>	<u>6,342,692</u>
	100%		3.8%	96.2%
Expenses Less Other Revenues	80,348,816		20,633,555	59,715,261
Interest Credits	0		0	0
Carryover Application	<u>5,284,829</u>		<u>1,098,381</u>	<u>4,186,448</u>
Total Credits & Carryover	<u>5,284,829</u>		<u>1,098,381</u>	<u>4,186,448</u>
Revenue Requirement	85,633,645		21,731,936	63,901,710



**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY**

Leveled Option 2

FY2024

Cost Allocation Factors & Rate Design Loads

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

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

Rate Design Loads	<u>Avg CROD kW</u>	<u>Energy MWh</u>
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

