

**PARKER-DAVIS PROJECT
RATE DESIGN
Full Generation Replacements
FY2019**

Generation Delivery Commitments			
Firm Electric Service	233,844 kW	1,229,778 MWh	
Priority Use Power	37,303 kW	195,267 MWh	
Total	271,147 kW	1,425,045 MWh	

Transmission Delivery Commitments	
Firm Electric Service	233,844 kW
Priority Use Power	37,303 kW
Firm Transmission Service	2,305,853 kW
Total	2,577,000 kW

Generation Revenue Requirement	
Firm Electric Service	\$15,362,434
*Aggregate Power Managers	\$2,450,629
Total	\$17,813,063

Transmission Revenue Requirement	
Firm Electric Service	\$4,377,560
*Aggregate Power Managers	\$698,312
Firm Transmission Service	\$43,165,568
Total	\$48,241,440

Aggregate Power Managers		* Aggregate Power Managers (APMs) have the financial responsibility for Priority Use Power (PUP).	
Generation Revenue Requirement	\$2,450,629	**The Bureau of Reclamation determines the PUP revenue requirement, which the PUP customers are obligated to pay through a power rate. The PUP rate for the previous year, 13.9 mills/kWh, is used as an estimate. The APMs agreed via contract to make contributory payment to make up the difference, if any, between the PUP rate set by BOR and total funding Parties' obligation.	
Transmission Revenue Requirement	\$698,312		
Total	\$3,148,941		
**Priority Use Power Revenue	13.90 mills/kWh	\$2,714,211	
APM Contributory Payment (estimated using prior year PUP Rate)		\$434,730	

Transmission Rates and Charges

Firm Transmission Rate	$\frac{\$48,241,440}{2,577,000 \text{ kW}}$	=	\$18.72 kW-Year \$1.56 kW-Month \$0.36 kW-Week \$0.05 kW-Day \$0.00214 kWh
Firm Transmission Rate for SLCA/IP Power ¹	$\frac{\$18.72}{2}$	=	\$9.36 kW-Season \$1.56 kW-Month
Nonfirm Transmission Rate ¹	$1,000 * \frac{\$18.72}{8,760}$	=	2.14 Mills/kWh

Generation Rates and Charges

Capacity Charge for Firm Electric Service	$\frac{\$17,813,063 * 0.5}{271,147 \text{ kW}}$	=	\$32.85 kW-Year \$2.74 kW-Month
Energy Charge for Firm Electric Service	$\frac{\$17,813,063 * 0.5}{1,425,045 \text{ MWh}}$	=	6.25 Mills/kWh
Composite Rate without Transmission (Illustrative Only)	$\frac{\$17,813,063}{1,425,045 \text{ MWh}}$	=	12.50 Mills/kWh
Composite Rate with Transmission (Illustrative Only) ²	$\frac{\$17,813,063 + \$5,075,872}{1,425,045 \text{ MWh}}$	=	16.06 Mills/kWh

LOWER COLORADO RIVER DEVELOPMENT FUND CHARGE³

Arizona	4.50 Mills/kWh
California & Nevada	2.50 Mills/kWh

/1 The numerator of the rate formula is the firm transmission rate (kW-YR) shown above

/2 The numerator of the rate formula is the generation revenue requirement plus the FES/APM share of the transmission revenue requirement

/3 This charge is to be assessed commencing June 1, 2005, per Section 102(c) of the Hoover Power Plant Act of 1984 (Public Law 98-381)



**PARKER-DAVIS PROJECT
RATE DESIGN
Full Generation Replacements
FY2020**

Generation Delivery Commitments			
Firm Electric Service	233,844 kW	1,229,778 MWh	
Priority Use Power	37,303 kW	195,267 MWh	
Total	271,147 kW	1,425,045 MWh	

Transmission Delivery Commitments	
Firm Electric Service	233,844 kW
Priority Use Power	37,303 kW
Firm Transmission Service	2,318,853 kW
Total	2,590,000 kW

Generation Revenue Requirement	
Firm Electric Service	\$15,362,434
*Aggregate Power Managers	\$2,450,629
Total	\$17,813,063

Transmission Revenue Requirement	
Firm Electric Service	\$4,377,560
*Aggregate Power Managers	\$698,312
Firm Transmission Service	\$43,408,928
Total	\$48,484,800

Aggregate Power Managers			* Aggregate Power Managers (APMs) have the financial responsibility for Priority Use Power (PUP).
Generation Revenue Requirement	\$2,450,629		
Transmission Revenue Requirement	\$698,312		
Total	\$3,148,941		
**Priority Use Power Revenue	13.90 mills/kWh	\$2,714,211	**The Bureau of Reclamation determines the PUP revenue requirement, which the PUP customers are obligated to pay through a power rate. The PUP rate for the previous year, 13.9 mills/kWh, is used as an estimate. The APMs agreed via contract to make contributory payment to make up the difference, if any, between the PUP rate set by BOR and total funding Parties' obligation.
APM Contributory Payment (estimated using prior year PUP Rate)		\$434,730	

Transmission Rates and Charges

Firm Transmission Rate		$\frac{\$48,484,800}{2,590,000 \text{ kW}} =$	\$18.72 kW-Year \$1.56 kW-Month \$0.36 kW-Week \$0.05 kW-Day \$0.00214 kWh
Firm Transmission Rate for SLCA/IP Power ¹		$\frac{\$18.72}{2} =$	\$9.36 kW-Season \$1.56 kW-Month
Nonfirm Transmission Rate ¹	1,000 *	$\frac{\$18.72}{8,760} =$	2.14 Mills/kWh

Generation Rates and Charges

Capacity Charge for Firm Electric Service		$\frac{\$17,813,063 * 0.5}{271,147 \text{ kW}} =$	\$32.85 kW-Year \$2.74 kW-Month
Energy Charge for Firm Electric Service		$\frac{\$17,813,063 * 0.5}{1,425,045 \text{ MWh}} =$	6.25 Mills/kWh
Composite Rate without Transmission (Illustrative Only)		$\frac{\$17,813,063}{1,425,045 \text{ MWh}} =$	12.50 Mills/kWh
Composite Rate with Transmission (Illustrative Only) ²		$\frac{\$17,813,063 + \$5,075,872}{1,425,045 \text{ MWh}} =$	16.06 Mills/kWh

LOWER COLORADO RIVER DEVELOPMENT FUND CHARGE³

Arizona	4.50 Mills/kWh
California & Nevada	2.50 Mills/kWh

/1 The numerator of the rate formula is the firm transmission rate (kW-YR) shown above

/2 The numerator of the rate formula is the generation revenue requirement plus the FES/APM share of the transmission revenue requirement

/3 This charge is to be assessed commencing June 1, 2005, per Section 102(c) of the Hoover Power Plant Act of 1984 (Public Law 98-381)



**PARKER-DAVIS PROJECT
RATE DESIGN
Full Generation Replacements
FY2021**

Generation Delivery Commitments			
Firm Electric Service	233,844 kW	1,229,778 MWh	
Priority Use Power	37,303 kW	195,267 MWh	
Total	271,147 kW	1,425,045 MWh	

Transmission Delivery Commitments	
Firm Electric Service	233,844 kW
Priority Use Power	37,303 kW
Firm Transmission Service	2,603,853 kW
Total	2,875,000 kW

Generation Revenue Requirement	
Firm Electric Service	\$15,362,434
*Aggregate Power Managers	\$2,450,629
Total	\$17,813,063

Transmission Revenue Requirement	
Firm Electric Service	\$4,377,560
*Aggregate Power Managers	\$698,312
Firm Transmission Service	\$48,744,128
Total	\$53,820,000

Aggregate Power Managers			* Aggregate Power Managers (APMs) have the financial responsibility for Priority Use Power (PUP).
Generation Revenue Requirement		\$2,450,629	
Transmission Revenue Requirement		\$698,312	
Total		\$3,148,941	
**Priority Use Power Revenue	13.90 mills/kWh	\$2,714,211	
APM Contributory Payment (estimated using prior year PUP Rate)		\$434,730	

**The Bureau of Reclamation determines the PUP revenue requirement, which the PUP customers are obligated to pay through a power rate. The PUP rate for the previous year, 13.9 mills/kWh, is used as an estimate. The APMs agreed via contract to make contributory payment to make up the difference, if any, between the PUP rate set by BOR and total funding Parties' obligation.

Transmission Rates and Charges

Firm Transmission Rate		$\frac{\$53,820,000}{2,875,000 \text{ kW}} =$	\$18.72 kW-Year \$1.56 kW-Month \$0.36 kW-Week \$0.05 kW-Day \$0.00214 kWh
Firm Transmission Rate for SLCA/IP Power ¹		$\frac{\$18.72}{2} =$	\$9.36 kW-Season \$1.56 kW-Month
Nonfirm Transmission Rate ¹	1,000 *	$\frac{\$18.72}{8,760} =$	2.14 Mills/kWh

Generation Rates and Charges

Capacity Charge for Firm Electric Service		$\frac{\$17,813,063 * 0.5}{271,147 \text{ kW}} =$	\$32.85 kW-Year \$2.74 kW-Month
Energy Charge for Firm Electric Service		$\frac{\$17,813,063 * 0.5}{1,425,045 \text{ MWh}} =$	6.25 Mills/kWh
Composite Rate without Transmission (Illustrative Only)		$\frac{\$17,813,063}{1,425,045 \text{ MWh}} =$	12.50 Mills/kWh
Composite Rate with Transmission (Illustrative Only) ²		$\frac{\$17,813,063 + \$5,075,872}{1,425,045 \text{ MWh}} =$	16.06 Mills/kWh

LOWER COLORADO RIVER DEVELOPMENT FUND CHARGE³

Arizona	4.50 Mills/kWh
California & Nevada	2.50 Mills/kWh

/1 The numerator of the rate formula is the firm transmission rate (kW-YR) shown above

/2 The numerator of the rate formula is the generation revenue requirement plus the FES/APM share of the transmission revenue requirement

/3 This charge is to be assessed commencing June 1, 2005, per Section 102(c) of the Hoover Power Plant Act of 1984 (Public Law 98-381)



**PARKER-DAVIS PROJECT
RATE DESIGN
Full Generation Replacements
FY2022**

Generation Delivery Commitments		
Firm Electric Service	233,844 kW	1,229,778 MWh
Priority Use Power	37,303 kW	195,267 MWh
Total	271,147 kW	1,425,045 MWh

Transmission Delivery Commitments	
Firm Electric Service	233,844 kW
Priority Use Power	37,303 kW
Firm Transmission Service	2,603,853 kW
Total	2,875,000 kW

Generation Revenue Requirement	
Firm Electric Service	\$15,362,434
*Aggregate Power Managers	\$2,450,629
Total	\$17,813,063

Transmission Revenue Requirement	
Firm Electric Service	\$4,377,560
*Aggregate Power Managers	\$698,312
Firm Transmission Service	\$48,744,128
Total	\$53,820,000

Aggregate Power Managers		
Generation Revenue Requirement	\$2,450,629	
Transmission Revenue Requirement	\$698,312	
Total	\$3,148,941	
**Priority Use Power Revenue	13.90 mills/kWh	\$2,714,211
APM Contributory Payment (estimated using prior year PUP Rate)		\$434,730

* Aggregate Power Managers (APMs) have the financial responsibility for Priority Use Power (PUP).
 **The Bureau of Reclamation determines the PUP revenue requirement, which the PUP customers are obligated to pay through a power rate. The PUP rate for the previous year, 13.9 mills/kWh, is used as an estimate. The APMs agreed via contract to make contributory payment to make up the difference, if any, between the PUP rate set by BOR and total funding Parties' obligation.

Transmission Rates and Charges

Firm Transmission Rate	$\frac{\$53,820,000}{2,875,000 \text{ kW}}$	=	\$18.72 kW-Year \$1.56 kW-Month \$0.36 kW-Week \$0.05 kW-Day \$0.00214 kWh
Firm Transmission Rate for SLCA/IP Power ¹	$\frac{\$18.72}{2}$	=	\$9.36 kW-Season \$1.56 kW-Month
Nonfirm Transmission Rate ¹	$1,000 * \frac{\$18.72}{8,760}$	=	2.14 Mills/kWh

Generation Rates and Charges

Capacity Charge for Firm Electric Service	$\frac{\$17,813,063 * 0.5}{271,147 \text{ kW}}$	=	\$32.85 kW-Year \$2.74 kW-Month
Energy Charge for Firm Electric Service	$\frac{\$17,813,063 * 0.5}{1,425,045 \text{ MWh}}$	=	6.25 Mills/kWh
Composite Rate without Transmission (Illustrative Only)	$\frac{\$17,813,063}{1,425,045 \text{ MWh}}$	=	12.50 Mills/kWh
Composite Rate with Transmission (Illustrative Only) ²	$\frac{\$17,813,063 + \$5,075,872}{1,425,045 \text{ MWh}}$	=	16.06 Mills/kWh

LOWER COLORADO RIVER DEVELOPMENT FUND CHARGE³

Arizona	4.50 Mills/kWh
California & Nevada	2.50 Mills/kWh

/1 The numerator of the rate formula is the firm transmission rate (kW-YR) shown above

/2 The numerator of the rate formula is the generation revenue requirement plus the FES/APM share of the transmission revenue requirement

/3 This charge is to be assessed commencing June 1, 2005, per Section 102(c) of the Hoover Power Plant Act of 1984 (Public Law 98-381)



**PARKER-DAVIS PROJECT
RATE DESIGN
Full Generation Replacements
FY2023**

Generation Delivery Commitments		
Firm Electric Service	233,844 kW	1,229,778 MWh
Priority Use Power	37,303 kW	195,267 MWh
Total	271,147 kW	1,425,045 MWh

Transmission Delivery Commitments	
Firm Electric Service	233,844 kW
Priority Use Power	37,303 kW
Firm Transmission Service	2,603,853 kW
Total	2,875,000 kW

Generation Revenue Requirement	
Firm Electric Service	\$15,362,434
*Aggregate Power Managers	\$2,450,629
Total	\$17,813,063

Transmission Revenue Requirement	
Firm Electric Service	\$4,377,560
*Aggregate Power Managers	\$698,312
Firm Transmission Service	\$48,744,128
Total	\$53,820,000

Aggregate Power Managers		
Generation Revenue Requirement	\$2,450,629	
Transmission Revenue Requirement	\$698,312	
Total	\$3,148,941	
**Priority Use Power Revenue	13.90 mills/kWh	\$2,714,211
APM Contributory Payment (estimated using prior year PUP Rate)		\$434,730

* Aggregate Power Managers (APMs) have the financial responsibility for Priority Use Power (PUP).
 **The Bureau of Reclamation determines the PUP revenue requirement, which the PUP customers are obligated to pay through a power rate. The PUP rate for the previous year, 13.9 mills/kWh, is used as an estimate. The APMs agreed via contract to make contributory payment to make up the difference, if any, between the PUP rate set by BOR and total funding Parties' obligation.

Transmission Rates and Charges

Firm Transmission Rate	$\frac{\$53,820,000}{2,875,000 \text{ kW}}$	=	\$18.72 kW-Year \$1.56 kW-Month \$0.36 kW-Week \$0.05 kW-Day \$0.00214 kWh
Firm Transmission Rate for SLCA/IP Power ¹	$\frac{\$18.72}{2}$	=	\$9.36 kW-Season \$1.56 kW-Month
Nonfirm Transmission Rate ¹	$1,000 * \frac{\$18.72}{8,760}$	=	2.14 Mills/kWh

Generation Rates and Charges

Capacity Charge for Firm Electric Service	$\frac{\$17,813,063 * 0.5}{271,147 \text{ kW}}$	=	\$32.85 kW-Year \$2.74 kW-Month
Energy Charge for Firm Electric Service	$\frac{\$17,813,063 * 0.5}{1,425,045 \text{ MWh}}$	=	6.25 Mills/kWh
Composite Rate without Transmission (Illustrative Only)	$\frac{\$17,813,063}{1,425,045 \text{ MWh}}$	=	12.50 Mills/kWh
Composite Rate with Transmission (Illustrative Only) ²	$\frac{\$17,813,063 + \$5,075,872}{1,425,045 \text{ MWh}}$	=	16.06 Mills/kWh

LOWER COLORADO RIVER DEVELOPMENT FUND CHARGE³

Arizona	4.50 Mills/kWh
California & Nevada	2.50 Mills/kWh

/1 The numerator of the rate formula is the firm transmission rate (kW-YR) shown above

/2 The numerator of the rate formula is the generation revenue requirement plus the FES/APM share of the transmission revenue requirement

/3 This charge is to be assessed commencing June 1, 2005, per Section 102(c) of the Hoover Power Plant Act of 1984 (Public Law 98-381)

