

**PARKER-DAVIS PROJECT
RATE DESIGN
FY2016**

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	2,441,965 kW
Total	2,713,112 kW

Generation Revenue Requirement	
Firm Electric Service	\$12,068,728
*Aggregate Power Managers	\$1,925,214
Total	\$13,993,942

Transmission Revenue Requirement	
Firm Electric Service	\$4,181,131
*Aggregate Power Managers	\$666,978
Firm Transmission Service	\$43,662,334
Total	\$48,510,443

Aggregate Power Managers		
Generation Revenue Requirement	\$1,925,214	
Transmission Revenue Requirement	\$666,978	
Total	\$2,592,192	
**Priority Use Power Revenue	11.47 mills/kWh	\$2,239,712
APM Contributory Payment (estimated using prior year PUP Rate)		\$352,480

* 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, 11.47 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		$\frac{\$48,510,443}{2,713,112 \text{ kW}}$	=	\$17.88 kW-Year \$1.49 kW-Month \$0.34 kW-Week \$0.05 kW-Day \$0.00204 kWh
Firm Transmission Rate for SLCA/IP Power ¹		$\frac{\$17.88}{2}$	=	\$8.94 kW-Season \$1.49 kW-Month
Nonfirm Transmission Rate ¹	1,000 *	$\frac{\$17.88}{8,760}$	=	2.04 Mills/kWh

Generation Rates and Charges

Capacity Charge for Firm Electric Service		$\frac{\$13,993,942 * 0.5}{271,147 \text{ kW}}$	=	\$25.81 kW-Year \$2.15 kW-Month
Energy Charge for Firm Electric Service		$\frac{\$13,993,942 * 0.5}{1,425,045 \text{ MWh}}$	=	4.91 Mills/kWh
Composite Rate without Transmission (Illustrative Only)		$\frac{\$13,993,942}{1,425,045 \text{ MWh}}$	=	9.82 Mills/kWh
Composite Rate with Transmission (Illustrative Only) ²		$\frac{\$13,993,942 + \$4,848,108}{1,425,045 \text{ MWh}}$	=	13.22 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
FY2017**

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	2,424,465 kW
Total	2,695,612 kW

Generation Revenue Requirement	
Firm Electric Service	\$12,068,728
*Aggregate Power Managers	\$1,925,214
Total	\$13,993,942

Transmission Revenue Requirement	
Firm Electric Service	\$4,181,131
*Aggregate Power Managers	\$666,978
Firm Transmission Service	\$43,349,434
Total	\$48,197,543

Aggregate Power Managers		
Generation Revenue Requirement	\$1,925,214	
Transmission Revenue Requirement	\$666,978	
Total	\$2,592,192	
**Priority Use Power Revenue	11.47 mills/kWh	\$2,239,712
APM Contributory Payment (estimated using prior year PUP Rate)		\$352,480

* 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, 11.47 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		$\frac{\$48,197,543}{2,695,612 \text{ kW}}$	=	\$17.88 kW-Year \$1.49 kW-Month \$0.34 kW-Week \$0.05 kW-Day \$0.00204 kWh
Firm Transmission Rate for SLCA/IP Power ¹		$\frac{\$17.88}{2}$	=	\$8.94 kW-Season \$1.49 kW-Month
Nonfirm Transmission Rate ¹	1,000 *	$\frac{\$17.88}{8,760}$	=	2.04 Mills/kWh

Generation Rates and Charges

Capacity Charge for Firm Electric Service		$\frac{\$13,993,942 * 0.5}{271,147 \text{ kW}}$	=	\$25.81 kW-Year \$2.15 kW-Month
Energy Charge for Firm Electric Service		$\frac{\$13,993,942 * 0.5}{1,425,045 \text{ MWh}}$	=	4.91 Mills/kWh
Composite Rate without Transmission (Illustrative Only)		$\frac{\$13,993,942}{1,425,045 \text{ MWh}}$	=	9.82 Mills/kWh
Composite Rate with Transmission (Illustrative Only) ²		$\frac{\$13,993,942 + \$4,848,108}{1,425,045 \text{ MWh}}$	=	13.22 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
FY2018**

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	2,413,215 kW
Total	2,684,362 kW

Generation Revenue Requirement	
Firm Electric Service	\$12,068,728
*Aggregate Power Managers	\$1,925,214
Total	\$13,993,942

Transmission Revenue Requirement	
Firm Electric Service	\$4,181,131
*Aggregate Power Managers	\$666,978
Firm Transmission Service	\$43,148,284
Total	\$47,996,393

Aggregate Power Managers		
Generation Revenue Requirement	\$1,925,214	
Transmission Revenue Requirement	\$666,978	
Total	\$2,592,192	
**Priority Use Power Revenue	11.47 mills/kWh	\$2,239,712
APM Contributory Payment (estimated using prior year PUP Rate)		\$352,480

* 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, 11.47 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		$\frac{\$47,996,393}{2,684,362 \text{ kW}}$	=	\$17.88 kW-Year \$1.49 kW-Month \$0.34 kW-Week \$0.05 kW-Day \$0.00204 kWh
Firm Transmission Rate for SLCA/IP Power ¹		$\frac{\$17.88}{2}$	=	\$8.94 kW-Season \$1.49 kW-Month
Nonfirm Transmission Rate ¹	1,000 *	$\frac{\$17.88}{8,760}$	=	2.04 Mills/kWh

Generation Rates and Charges

Capacity Charge for Firm Electric Service		$\frac{\$13,993,942 * 0.5}{271,147 \text{ kW}}$	=	\$25.81 kW-Year \$2.15 kW-Month
Energy Charge for Firm Electric Service		$\frac{\$13,993,942 * 0.5}{1,425,045 \text{ MWh}}$	=	4.91 Mills/kWh
Composite Rate without Transmission (Illustrative Only)		$\frac{\$13,993,942}{1,425,045 \text{ MWh}}$	=	9.82 Mills/kWh
Composite Rate with Transmission (Illustrative Only) ²		$\frac{\$13,993,942 + \$4,848,108}{1,425,045 \text{ MWh}}$	=	13.22 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
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	2,513,215 kW
Total	2,784,362 kW

Generation Revenue Requirement	
Firm Electric Service	\$12,068,728
*Aggregate Power Managers	\$1,925,214
Total	\$13,993,942

Transmission Revenue Requirement	
Firm Electric Service	\$4,181,131
*Aggregate Power Managers	\$666,978
Firm Transmission Service	\$44,936,284
Total	\$49,784,393

Aggregate Power Managers		
Generation Revenue Requirement	\$1,925,214	
Transmission Revenue Requirement	\$666,978	
Total	\$2,592,192	
**Priority Use Power Revenue	11.47 mills/kWh	\$2,239,712
APM Contributory Payment (estimated using prior year PUP Rate)		\$352,480

* 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, 11.47 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		$\frac{\$49,784,393}{2,784,362 \text{ kW}} =$	\$17.88 kW-Year \$1.49 kW-Month \$0.34 kW-Week \$0.05 kW-Day \$0.00204 kWh
Firm Transmission Rate for SLCA/IP Power ¹		$\frac{\$17.88}{2} =$	\$8.94 kW-Season \$1.49 kW-Month
Nonfirm Transmission Rate ¹	1,000 *	$\frac{\$17.88}{8,760} =$	2.04 Mills/kWh

Generation Rates and Charges

Capacity Charge for Firm Electric Service		$\frac{\$13,993,942 * 0.5}{271,147 \text{ kW}} =$	\$25.81 kW-Year \$2.15 kW-Month
Energy Charge for Firm Electric Service		$\frac{\$13,993,942 * 0.5}{1,425,045 \text{ MWh}} =$	4.91 Mills/kWh
Composite Rate without Transmission (Illustrative Only)		$\frac{\$13,993,942}{1,425,045 \text{ MWh}} =$	9.82 Mills/kWh
Composite Rate with Transmission (Illustrative Only) ²		$\frac{\$13,993,942 + \$4,848,108}{1,425,045 \text{ MWh}} =$	13.22 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
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	2,491,761 kW
Total	2,762,908 kW

Generation Revenue Requirement	
Firm Electric Service	\$12,068,728
*Aggregate Power Managers	\$1,925,214
Total	\$13,993,942

Transmission Revenue Requirement	
Firm Electric Service	\$4,181,131
*Aggregate Power Managers	\$666,978
Firm Transmission Service	\$44,552,687
Total	\$49,400,795

Aggregate Power Managers		
Generation Revenue Requirement	\$1,925,214	
Transmission Revenue Requirement	\$666,978	
Total	\$2,592,192	
**Priority Use Power Revenue	11.47 mills/kWh	\$2,239,712
APM Contributory Payment (estimated using prior year PUP Rate)		\$352,480

* 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, 11.47 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		$\frac{\$49,400,795}{2,762,908 \text{ kW}} =$	\$17.88 kW-Year \$1.49 kW-Month \$0.34 kW-Week \$0.05 kW-Day \$0.00204 kWh
Firm Transmission Rate for SLCA/IP Power ¹		$\frac{\$17.88}{2} =$	\$8.94 kW-Season \$1.49 kW-Month
Nonfirm Transmission Rate ¹	1,000 *	$\frac{\$17.88}{8,760} =$	2.04 Mills/kWh

Generation Rates and Charges

Capacity Charge for Firm Electric Service		$\frac{\$13,993,942 * 0.5}{271,147 \text{ kW}} =$	\$25.81 kW-Year \$2.15 kW-Month
Energy Charge for Firm Electric Service		$\frac{\$13,993,942 * 0.5}{1,425,045 \text{ MWh}} =$	4.91 Mills/kWh
Composite Rate without Transmission (Illustrative Only)		$\frac{\$13,993,942}{1,425,045 \text{ MWh}} =$	9.82 Mills/kWh
Composite Rate with Transmission (Illustrative Only) ²		$\frac{\$13,993,942 + \$4,848,108}{1,425,045 \text{ MWh}} =$	13.22 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)