

**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 | \$15,350,144 |
| *Aggregate Power Managers | \$2,448,668 |
| Total | \$17,798,812 |

| 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 | \$2,448,668 | **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, 13.25 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 | \$3,146,980 | | |
| **Priority Use Power Revenue | 13.25 mills/kWh | \$2,587,288 | |
| APM Contributory Payment (estimated using prior year PUP Rate) | | \$559,692 | |

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 | | $\frac{\$17,798,812 * 0.5}{271,147 \text{ kW}} =$ | \$32.82 kW-Year \$2.74 kW-Month |
| Energy Charge for Firm Electric Service | | $\frac{\$17,798,812 * 0.5}{1,425,045 \text{ MWh}} =$ | 6.25 Mills/kWh |
| Composite Rate without Transmission (Illustrative Only) | | $\frac{\$17,798,812}{1,425,045 \text{ MWh}} =$ | 12.49 Mills/kWh |
| Composite Rate with Transmission (Illustrative Only) ² | | $\frac{\$17,798,812 + \$5,075,872}{1,425,045 \text{ MWh}} =$ | 16.05 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 | \$15,350,144 | | |
| *Aggregate Power Managers | \$2,448,668 | | |
| Total | \$17,798,812 | | |

| 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 | | | |
|--|-----------------|--|--|
| Generation Revenue Requirement | \$2,448,668 | | |
| Transmission Revenue Requirement | \$698,312 | | |
| Total | \$3,146,980 | | |
| **Priority Use Power Revenue | 13.25 mills/kWh | | |
| APM Contributory Payment (estimated using prior year PUP Rate) | \$559,692 | | |

* 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, 13.25 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 | | $\frac{\$48,484,800}{2,590,000 \text{ kW}} =$ | \$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 | | $\frac{\$17,798,812 * 0.5}{271,147 \text{ kW}} =$ | \$32.82 kW-Year \$2.74 kW-Month |
| Energy Charge for Firm Electric Service | | $\frac{\$17,798,812 * 0.5}{1,425,045 \text{ MWh}} =$ | 6.25 Mills/kWh |
| Composite Rate without Transmission (Illustrative Only) | | $\frac{\$17,798,812}{1,425,045 \text{ MWh}} =$ | 12.49 Mills/kWh |
| Composite Rate with Transmission (Illustrative Only) ² | | $\frac{\$17,798,812 + \$5,075,872}{1,425,045 \text{ MWh}} =$ | 16.05 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 | \$15,350,144 |
| *Aggregate Power Managers | \$2,448,668 |
| Total | \$17,798,812 |

| 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 | \$2,448,668 | **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, 13.25 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 | \$3,146,980 | | |
| **Priority Use Power Revenue | 13.25 mills/kWh | \$2,587,288 | |
| APM Contributory Payment (estimated using prior year PUP Rate) | | \$559,692 | |

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 | | $\frac{\$17,798,812 * 0.5}{271,147 \text{ kW}} =$ | \$32.82 kW-Year \$2.74 kW-Month |
| Energy Charge for Firm Electric Service | | $\frac{\$17,798,812 * 0.5}{1,425,045 \text{ MWh}} =$ | 6.25 Mills/kWh |
| Composite Rate without Transmission (Illustrative Only) | | $\frac{\$17,798,812}{1,425,045 \text{ MWh}} =$ | 12.49 Mills/kWh |
| Composite Rate with Transmission (Illustrative Only) ² | | $\frac{\$17,798,812 + \$5,075,872}{1,425,045 \text{ MWh}} =$ | 16.05 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 | \$15,350,144 | | |
| *Aggregate Power Managers | \$2,448,668 | | |
| Total | \$17,798,812 | | |

| 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 | \$2,448,668 | | |
| Transmission Revenue Requirement | \$698,312 | | |
| Total | \$3,146,980 | | |
| **Priority Use Power Revenue | 13.25 mills/kWh | | |
| APM Contributory Payment (estimated using prior year PUP Rate) | \$559,692 | | |

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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

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| Capacity Charge for Firm Electric Service | | $\frac{\$17,798,812 * 0.5}{271,147 \text{ kW}} =$ | \$32.82 kW-Year \$2.74 kW-Month |
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| Composite Rate without Transmission (Illustrative Only) | | $\frac{\$17,798,812}{1,425,045 \text{ MWh}} =$ | 12.49 Mills/kWh |
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| Arizona | 4.50 Mills/kWh |
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FY2023**

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| Composite Rate without Transmission (Illustrative Only) | | $\frac{\$17,798,812}{1,425,045 \text{ MWh}} =$ | 12.49 Mills/kWh |
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| Arizona | 4.50 Mills/kWh |
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