

CRSP MC Energy Sales Rates

Updated September 2023

[CLICK on Blue text for related documents](#)

Firm Sales

	Unit	SLIP-F12 Dec 1, 2021 - Dec 31, 2023*	SLIP-F11 Oct 1, 2020 - Nov 30, 2021
Composite Rate	mills/kWh	30.51	27.45
Demand Charge	\$/kW-month	5.25	4.85
Energy Charge	mills/kWh	12.36	11.43
Cost Recovery Charge (CRC)	mills/kWh	0	0

Transmission Sales

[Click for Transmission Rate Update Letter](#)

Current Rates under schedules SP-PTP9, SP-NFT8, SP-NW5, & SP-UU2):

	Unit	FY2024 Oct 1, 2023 - Sep 30, 2024	FY2023 Oct 1, 2022 - Sep 30, 2023
Firm Point-to-Point (SP-PTP9)	kW-year	\$21.00	\$20.94
	kW-month	\$1.750	\$1.750
and	kW-week	\$0.400	\$0.400
Non-Firm Point-to-Point (SP-NFT8)	kW-day	\$0.060	\$0.060
	mills/kWh	2.400	2.390
Network Integration Transmission Service (NITS, SP-NW5)	Monthly Charge =	\$94,381,716 / 12 X Transmission Customer's Load Ratio Share	\$88,652,328 / 12 X Transmission Customer's Load Ratio Share
Unreserved Use Charge (SP-UU2)		Rate for a transmission customer that engages in Unreserved use is 200 percent of CRSP's approved transmission service rate for point-to-point (PTP) transmission service**	Rate for a transmission customer that engages in Unreserved use is 200 percent of CRSP's approved transmission service rate for point-to-point (PTP) transmission service**

Ancillary Services

As of Oct 1, 2016 rate schedules SP-SD4, SP-RS4, SP-EI4, and SP-FR4 superseded by rate schedules L-AS1, L-AS2, L-AS3, and L-AS4.

	Unit	FY2024 Oct 1, 2022 - Sep 30, 2023	FY2023 Oct 1, 2022 - Sep 30, 2023
Scheduling/Dispatch Service (L-AS1)	Schedule/Day	\$18.97	\$17.59
	mills/kWh	0.114	0.115
Reactive Supply & Voltage Control (L-AS2)	kW-day	\$0.003	\$0.003
	kW-week	\$0.019	\$0.019
	kW-Month	\$0.083	\$0.084
Regulation & Frequency Response (L-AS3)	mills/kWh	0.752	0.435
	kW-day	\$0.018	\$0.010
	kW-week	\$0.127	\$0.073
	kW-Month	\$0.549	\$0.318
Energy and Generator Imbalance Services (SP-EI5)/1	Imbalance is	-Less than 1.5% (minimum 4MW), No Penalty -between 1.5% and 7.5% (4MW -10MW) is a 10% penalty -greater than 7.5% (10MW Minimum) is a 25% penalty weighted avg real-time hourly WACM purchase/sales pricing/2	Less than 1.5% (minimum 4MW), No Penalty between 1.5% and 7.5% (4MW -10MW) is a 10% penalty greater than 7.5% (10MW Minimum) is a 25% penalty
Spinning Reserves (SP-SSR5)		The transmission customer serving loads within the transmission provider's balancing authority must acquire Spinning and Supplemental Reserve services from CRSP, from a third party, or by self-supply.	The transmission customer serving loads within the transmission provider's balancing authority must acquire Spinning and Supplemental Reserve services from CRSP, from a third party, or by self-supply.

[Click Here for the FY 23 LAP Transmission and LAP, CRSP, & WACM Ancillary Services Rates page](#)

/1 Provided through the Western Area Colorado Missouri (WACM) Balancing Authority under Rate Schedules L-AS4 and L-AS9, or as superseded.

/2 For Generator Imbalance only, variable generators are exempt from 25 percent penalties.

CDP & WRP

[Click for CDP & WRP Rate Update Letter](#)

Administrative Charge Type:	Unit	FY2024 Winter October 1, 2023 - March 31, 2024	FY2023 Summer April 1, 2023 - Sep 30, 2023
WRP – Day Ahead and Monthly	mills/kWh	0.50	0.50
WRP – Real Time	mills/kWh	0.42	0.48
CDP	mills/kWh	0.17	0.10
CDP – Per Adjustment	\$ Per Adj.	\$5.86	\$6.01

* Firm energy sales are provided by the Salt Lake Integrated Projects (SLIP) and are effective through December 31, 2023, or until superseded. Due to ongoing drought conditions and it's effect on hydrogeneration, the FES Rate is scheduled to change as of December 1, 2021 under the WAPA-199 rate action.

**See Rate Schedule SP-UU2 for details

*** based on weighted avg real time hourly WACM purchase/sales pricing; Intermittent generators exempt from 25% penalty

The CRSP Management Center power, transmission, and ancillary service rates listed on these Web pages are provided as an informational service only. Western does not warranty their accuracy or completeness.

**UNITED STATES DEPARTMENT OF ENERGY
WESTERN AREA POWER ADMINISTRATION**

**COLORADO RIVER STORAGE PROJECT MANAGEMENT CENTER
SALT LAKE CITY AREA INTEGRATED PROJECTS**

**SCHEDULE OF RATES FOR FIRM POWER SERVICE
(Approved Under Rate Order No. WAPA-199)**

Effective:

The first day of the first full billing period beginning on or after December 1, 2021, and extending through December 31, 2023, or until superseded by another rate schedule, whichever occurs earlier.

Available:

In the area served by the Salt Lake City Area Integrated Projects.

Applicable:

To the wholesale power Customer for firm power service supplied through one meter at one point of delivery or as otherwise established by contract.

Character:

Alternating current, 60 hertz, three-phase, delivered and metered at the voltages and points established by contract.

Monthly Rate:

DEMAND CHARGE: \$5.25 per kilowatt of billing demand.

ENERGY CHARGE: \$12.36 mills per kilowatthour of use of Deliverable Sales Amount (DSA) energy.

Modification of Purchased Power:

WAPA will not automatically provide purchased power to firm to SHP energy allocations, nor will there be any purchased power costs under Rate Order WAPA-199 in the rate setting period in the power repayment study under Rate Order WAPA-199. WAPA will establish the rates using the projected DSA data in the Bureau of Reclamation's (Reclamation) *August 2021 24-month Study* and Reclamation's August 2021 Colorado River Simulation System traces.

Western Replacement Firming (WRF):

WRF applies to pass-through purchased power costs for energy provided between the DSA level and SHP energy allocation. WRF is an optional product. Customers must elect quarterly, and may elect specific months within the quarter, to receive WRF. The charge for this purchased power will be determined at the time of the purchase based on market rates. There are no losses or an administrative fee charged to WRF. A schedule for the quarterly updates is in the rate brochure on the rate action web site: www.wapa.gov/regions/CRSP/rates/Pages/rates.aspx.

Billing Demand:

The billing demand will be the greater of:

1. The highest 30-minute integrated demand measured during the month up to, but not more than, the delivery obligation under the power sales contract, or,
2. The Contract Rate of Delivery.

Billing Energy:

The billing energy will be the energy measured during the month up to, but not more than, the delivery obligation under the power sales contract.

Adjustment for Transformer Losses:

If delivery is made at transmission voltage but metered on the low-voltage side of the substation, the meter readings will be increased to compensate for transformer losses as provided in the contract.

Adjustment for Power Factor:

The Customer will be required to maintain a power factor at all points of measurement between 95 percent lagging and 95 percent leading.

Adjustment for Western Replacement Power (WRP):

Pursuant to the Customer's Firm Electric Service Contract, as amended, WAPA will bill the Customer for its proportionate share of the costs of WRP within a given time. WAPA will include in the monthly power bill the cost of the WRP, and the incremental administrative costs associated with WRP.

Adjustment for Customer Displacement Power (CDP) Administrative Charges:

WAPA will include in the Customer's regular monthly power bill the incremental administrative costs associated with CDP.

Adjustment for Minimum Power Pool:

If Lake Powell drops below "minimum power pool" and power cannot be generated, WAPA will provide 30 days' notice to the Customers prior to reducing the DSA.

Cost Recovery Charge (CRC):

To adequately recover and maintain a sufficient balance in the Basin Fund, WAPA uses a cost recovery mechanism, called a CRC. The CRC is a charge on all long-term energy sales provided under WAPA's SLCA/IP firm electric service contracts.

This charge will be, at a minimum, recalculated before July 1 of each year, and WAPA will provide notification to the Customers consistent with the procedures in 10 CFR 903. WAPA has the discretion to implement the CRC at any point throughout the year using the criteria in Table 1. The charge, if needed, will be placed into effect on the first day of the first full-billing period beginning on or after the first day of the month the CRC is implemented. For the

purposes of the CRC, the 12-month period of a CRC will be described as a calendar year (CY).

The CRC will be calculated as follows:

Table 1 – CRC Tiers

Tier	Criteria, if the Basin Fund Beginning Balance (BFBB) is:	Notification
i	Greater than \$150 million, with an expected decrease to below \$75 million	Annually (July)
ii	Less than \$150 million but greater than \$120 million, with an expected 50 percent decrease in the next CY	
iii	Less than \$120 million but greater than \$90 million, with an expected 40 percent decrease in the next CY	
iv	Less than \$90 million but greater than \$60 million, with an expected 25 percent decrease in the next CY	Semi-Annual (July / January)
v	Less than \$60 million but greater than \$40 million with an expected decrease to below \$40 million in the next CY	Monthly

CRC sample calculations, narratives, and schedules showing the dates for implementing a CRC throughout the year are located at the CRC webpage:

www.wapa.gov/regions/CRSP/rates/Pages/cost-recovery-charge.aspx.

Waiver Level (WL)

WAPA will establish a WL that provides WAPA the ability to reduce purchased power expenses by scheduling less energy than what is contractually required. Therefore, for those Customers who voluntarily schedule no more energy than their proportionate share of the WL, WAPA will waive the CRC for that year. After the Funds Available have been determined, the WL will be set at the sum of the energy that can be provided through hydro generation and purchased with Funds Available. The WL will not be less than the forecasted Hydro Energy.

Trigger for Water Release Criteria:

In the event that Reclamation's 24-month study projects Glen Canyon Dam water releases will drop below 8.23 million acre feet (MAF) in a water year (October through September), WAPA will recalculate the CRC to include those lower estimates of hydropower generation. WAPA, as in the yearly projection for the CRC, will give the Customers a 45-day notice to request a waiver of the CRC if they do not want to have the CRC charge added to their energy bills. This recalculation will remain in effect for the remainder of the CY.

If the annual water release volumes from Glen Canyon Dam return to 8.23 MAF or higher during the trigger implementation, a new CRC will be calculated for the next month, and the Customer will be notified.

Trigger for New Rate Criteria

WAPA would reassess an implemented CRC when a new rate goes into effect to determine if the implemented CRC should be continued, superseded, or terminated.

Prior Year Adjustment for CRC:

Since the annual determination of the CRC is based upon estimates, an annual, prior-year adjustment (PYA) will be calculated for those who did not elect the waiver level. The PYA will be based on the 12-month period the CRC was in effect.

The Customers' PYA will be based on their prior 12-months' energy multiplied by the PYA mills/kWh to determine the dollar value that will be assessed. The Customer will be charged or credited for this dollar amount equally in the remaining months of the next 12-month billing cycle. WAPA will complete this calculation within 2 months of the end of the CRC. Therefore, if the PYA is calculated in June, the charge/credit will be spread over the remaining 9 months of the CY (July through March).

Adjustment for CRC Waiver:

Customers can choose not to take the full DSA energy supplied as determined in the attached formulas for CRC and will be billed the Energy and Capacity rates listed above, but not the CRC.



Department of Energy
Western Area Power Administration
1800 South Rio Grande Avenue
Montrose, CO 81401

August 28, 2023

Sent Via E-mail

Dear CRSP Transmission Customer:

Western Area Power Administration (WAPA) recently finished its yearly recalculation of the CRSP firm transmission rate. This letter is the official notification. This year's recalculation, including the true-up, results in a net Annual Transmission Revenue Requirement (ATRR) of \$94,381,716.

The FY 2024 transmission rate is based on the FY 2022 actual financial data, financial projections through the end of FY 2023, and a true-up of FY 2022 financial projections. The rate contains a \$8.35M true-up due to the expiration of transmission contracts, reduced phase shifter revenues, and increased actual operations and maintenance costs.

The following rates will be effective October 1, 2023, through September 30, 2024:

- Rate Schedule SP-PTP10 for firm transmission service will be \$1.75/kW-month. The firm, point-to-point, transmission rate is applicable to existing transmission contracts and future transmission service agreements.
- Rate Schedule SP-NFT9 for non-firm, point-to-point, transmission service is sold at negotiated rates, but never higher than the current, firm, point-to-point rate.
- Rate Schedule SP-NW6 for network transmission service is based on the ATRR. The monthly network-transmission service charge is the product of the network customer's load-ratio share in that month multiplied by one-twelfth of the ATRR.

The applicable rate schedules are found on the CRSP Management Center website at <https://www.wapa.gov/regions/CRSP/rates/Pages/Tariffs.aspx>.

If there are any questions, please contact Tony Henriquez at 970-240-6546 or THenriquez@wapa.gov.

Sincerely,

Brent Osiek
Vice President of Power Marketing
CRSP Management Center

Enclosure



Department of Energy
Western Area Power Administration
1800 South Rio Grande Avenue
Montrose, CO 81401

August 25, 2023

Sent Via E-mail

Dear SLCA/IP Customer:

This letter is to inform you of the seasonal update for the Western Replacement Power (WRP) and Customer Displacement Power (CDP) administrative charges for the FY 2024 Winter Season. The charges will be effective October 1, 2023, through March 31, 2024.

Based on a 5-year Winter Season average of WRP and CDP administrative costs, Western Area Power Administration (WAPA) will apply the following charges for the FY 2024 Winter Season:

WRP Day-Ahead and Monthly charge will be 0.50 mills/kWh.
WRP Real-Time charge will be 0.42 mills/kWh.
CDP administrative charge will be 0.17 mills/kWh.
CDP administrative charge per adjustment will be \$5.86.

WAPA will provide an update of the WRP and CDP administrative charges for the FY 2024 Summer Season that become effective April 1, 2024, prior to the beginning of the season.

Summary tables of the FY 2024 Winter Season administrative charges are enclosed. If there are any questions, please telephone Tony Henriquez at 970-240-6546 or e-mail thenriquez@wapa.gov.

For Tribal customers who executed a benefit-crediting agreement, this letter is for informational purposes. The utility receiving the hydropower allocation on your behalf received a copy of this letter and should make note of the above update.

Please note: If you do not use WRP/CDP, these charges are not applicable to you.

Sincerely,

Brent Osiek
Vice President of Power Marketing
CRSP Management Center

Enclosures

WRP Monthly & Day-Ahead Administrative Charge Determination

Cost per kilowatt hour of WRP purchased:

**Winter Season 2024
Monthly & Day-Ahead**

	Actual Cost/Unit	Average Units	Actual Total Cost
Resources / Pre/Post-Scheduling/Accounting (number of hours)	\$ 121.48	112.2	\$ 13,630.01
Scheduling (number of transactions)	\$ 23.44	2901	\$ 68,002.67
Total Cost			\$ 81,632.68
Purchase WRP kWh		162,845,600	
Hydro WRP kWh		-	
Total kWh		162,845,600	0.50 mills/kWh

**Winter Season 2023
Monthly & Day-Ahead**

	Actual Cost/Unit	Average Units	Actual Total Cost
Resources / Pre/Post-Scheduling/Accounting (number of hours)	\$ 81.36	143.4	\$ 11,666.83
Scheduling (number of transactions)	\$ 21.63	2985	\$ 64,554.06
Total Cost			\$ 76,220.89
Purchase WRP kWh		178,192,200	
Hydro WRP kWh		-	
Total kWh		178,192,200	0.43 mills/kWh

WRP Real-Time Administrative Charge Determination

Cost per kilowatt hour of WRP purchased:

Winter Season 2024 Real-Time			
	Actual Cost/Unit	Average Units	Actual Total Cost
Resources / Pre/Post-Scheduling/Accounting (number of hours)	\$ 120.60	47.0	\$ 5,668.20
Scheduling (number of transactions)	\$ 23.44	4171	<u>\$ 97,763.51</u>
Total Cost			\$ 103,431.71
	Purchase WRP kWh	248,982,200	
	Hydro WRP kWh	-	
	Total kWh	<u>248,982,200</u>	0.42 mills/kWh

Winter Season 2023 Real-Time			
	Actual Cost/Unit	Average Units	Actual Total Cost
Resources / Pre/Post-Scheduling/Accounting (number of hours)	\$ 74.36	51.2	\$ 3,807.23
Scheduling (number of transactions)	\$ 21.63	4100	<u>\$ 88,667.22</u>
Total Cost			\$ 92,474.45
	Purchase WRP kWh	216,786,000	
	Hydro WRP kWh	-	
	Total kWh	<u>216,786,000</u>	0.43 mills/kWh

CDP Administrative Charge Determination

Cost per kilowatt hour of CDP:

Winter Season 2024

	Actual Cost/Unit	Average Units	Actual Total Cost
L6500 Scheduling			
Accounting	\$ 126.61	61.8	\$ 7,824.27
Scheduling, dispatching, and accounting of CDP	\$ 23.44	2,038	<u>\$ 47,772.99</u>
Negotiation included in the scheduling			
Total Cost			\$ 55,597.25
Number of kWh of CDP			321,830,400
Cost per kWh of CDP			0.17 mills/kWh

Winter Season 2023

	Actual Cost/Unit	Average Units	Actual Total Cost
L7000 Scheduling			
Accounting	\$74.11	72.6	\$5,380.03
Scheduling, dispatching, and accounting of CDP	\$21.63	1,940	<u>\$41,963.38</u>
Negotiation included in the scheduling			
Total Cost			\$47,343.41
Number of kWh of CDP			340,095,800
Cost per kWh of CDP			0.14 mills/kWh

CDP Administrative Charge for Adjustments Determination

Cost per adjustments on CDP schedules:

Winter Season 2024	
	<u>Composite Average Cost/Unit 1/</u>
L6500 Scheduling	
CDP Schedule Adjustment Charge	\$ 5.86

1/ Per schedule adjustment charge is found by taking 1/4 of the \$23.44 scheduling, dispatching, and accounting of CDP charge, found on the CDP Seasonal Comparison worksheet, which is determined by taking the average salary of the schedulers plus a percentage of building, computer and travel expenses, and applying it toward adjustments made to the CDP schedules.

Winter Season 2023	
	<u>Composite Average Cost/Unit 1/</u>
L7000 Scheduling	
CDP Schedule Adjustment Charge	\$ 5.41

1/ Per schedule adjustment charge is found by taking 1/4 of the \$21.63 scheduling, dispatching, and accounting of CDP charge, found on the CDP Seasonal Comparison worksheet, which is determined by taking the average salary of the schedulers plus a percentage of building, computer and travel expenses, and applying it toward adjustments made to the CDP schedules.