



United States Department of the Interior



BUREAU OF RECLAMATION
P.O. Box 61470
Boulder City, NV 89006-1470

IN REPLY REFER TO:

LCB-4200
2.2.4.23

VIA ELECTRONIC MAIL ONLY

Isela Canava, P.E.
Principal Engineer
Operations Department
International Boundary and Water Commission
United States Section
4191 North Mesa Street
El Paso, TX 79902

Subject: Schedule of Calendar Year (CY) 2023 Colorado River Water Deliveries to Mexico
(Delivery Schedule 5 Dated March 30, 2023 and Delivery Schedule 6 Dated
May 2, 2023)

Dear Principal Engineer Canava:

The Bureau of Reclamation received the United States Section of the International Boundary and Water Commission's (USIBWC) letter dated June 8, 2023, informing Reclamation of Mexico's requests to modify its CY 2023 schedule for Colorado River water deliveries.

As noted in USIBWC's letter, and reflected in the accompanying Delivery Schedules 5, the request calls for a total increase in deliveries at the Northerly International Boundary (NIB) by 3,080,079.60 cubic meters (CM) (2,497 acre-feet [AF]) in the month of May and decreases total deliveries at NIB by the same amount in September. Additionally, the schedule moves 4,933,956 CM (4,000 AF) of the 41,938,626 CM (34,000 AF)¹ previously scheduled as a contribution to Mexico's Recoverable Water Savings in October to instead be accounted for as being deferred for Mexico's Water Reserve.²

¹ In accordance with Section IV of Minute 323 (Binational Water Scarcity Contingency Plan) and Section II of the *Joint Report of the Principal Engineers with the Implementing Details of the Binational Water Scarcity Contingency Plan in the Colorado River Basin* dated July 11, 2019 (2019 Joint Report), Mexico is required to create 34,000 AF (41,938,626 CM) of Mexico's Recoverable Water Savings in CY 2023, based on the August 2022 24-Month Study projection that Lake Mead's effective elevation on January 1, 2023 would be 1,047.61 feet. The CY 2023 projected effective elevation of 1,047.61 feet was calculated by taking Lake Mead's projected end of CY 2022 physical elevation of 1,040.78 feet, as reported in the August 2022 24-Month Study, and adding 480,000 AF of water held back in Lake Powell to Lake Mead's capacity to maintain operational neutrality. Additional information is available at: <https://www.usbr.gov/lc/region/g4000/24mo/>.


² Because Lake Mead's actual January 1, 2023 effective elevation was 1,051.52 feet, in accordance with Section H.1 of the *Joint Report of the Principal Engineers with the Operational Provisions Applicable to Water for the Environment Stipulated in Minute 323* dated December 16, 2021 (2021 Joint Report) 4,000 AF of the 34,000 AF created for Mexico's Recoverable Water Savings shall be accounted for and remain available as part of Mexico's Water Reserve and will be available for use in subsequent years.

As noted in USIBW's letter, and reflected in the accompanying Delivery Schedule 6, the request calls for an increase in deliveries at NIB by 2,276,800 CM (1,846 AF) during the month of June. This increase is accomplished by decreasing deliveries at NIB for September by the same volume. Additionally, the request calls for deferral of 2,583,115.40 CM (2,094 AF) during the month of September for the creation of Mexico's Water Reserve, specifically the "Revolving Account", according to the provisions of Section V.B. of Minute 323.

Reclamation has reviewed Mexico's requested modifications and confirms it is able to execute the requested deliveries according to Delivery Schedules 5 and 6 provided by the USIBWC. The enclosed schedules reflect the monthly deliveries in Delivery Schedules 5 and 6, converted to AF as used in Reclamation's daily water use forecast.

Reclamation appreciates USIBWC's cooperation and assistance in planning river operations and in addressing issues associated with management of the Colorado River and will continue to advise USIBWC regarding Colorado River operations as they proceed through CY 2023. Should you have questions, please contact Jeremy Dodds, Water Accounting and Verification Group Manager, at (702) 293-8164 or jdodds@usbr.gov. Individuals who are deaf, deafblind, hard of hearing, or have a speech disability may dial 711 (TTY, TDD, or TeleBraille) to access telecommunication relay services.

Sincerely,

**JACKLYNN
GOULD**  Digitally signed by
JACKLYNN GOULD
Date: 2023.08.31
10:56:23 -04'00'

Jacklynn L. Gould, P.E.
Regional Director

Enclosure

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cc: Continued from previous page.

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**Calendar Year 2023 Colorado River Water Deliveries for Mexico
Delivery Schedule 5 dated March 30, 2023**

| Month | Mexico's Requested Deliveries at Northernly International Boundary ^a | | Mexico's Requested Deliveries at Land Boundary near San Luis, Sonora | | Diversion at Parker Dam to Effect Tijuana Emergency Deliveries in Accordance with Minute 327 ^b | | Total Delivery to Mexico (Col. 1+2+3) | | Creation of Mexico's Recoverable Water Savings That Contribute to the Binational Water Scarcity Contingency Plan in Accordance with Minute 323 ^c and the 2019 and the 2021 Joint Reports ^d | | Water Deferred for Creation of Mexico's Water Reserve in Accordance with Minute 323 ^e | | Deliveries from Mexico's Water Reserve in Accordance with Minute 323 ^f | | Total Delivery to Mexico in Satisfaction of Treaty Requirements ^g (Col. 4+5+6-7) | |
|--------------------------|---|--------------------------|--|------------------------|---|----------------------|---------------------------------------|--------------------------|--|-----------------------|--|-----------------------|---|--------------|---|--------------------------|
| | AF | CM | AF | CM | AF | CM | AF | CM | AF | CM | AF | CM | AF | CM | AF | CM |
| January ^{1,2} | 102,395 | 126,303,166.000 | 11,891 | 14,666,918.400 | 582 | 717,276.000 | 114,867 | 141,687,360.400 | 0 | 0.000 | 11,208 | 13,825,067.000 | 0 | 0.000 | 126,075 | 155,512,427.400 |
| February ^{1,2} | 118,160 | 145,749,240.000 | 10,740 | 13,247,539.200 | 740 | 912,341.000 | 129,640 | 159,909,120.200 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 129,640 | 159,909,120.200 |
| March ¹ | 151,942 | 187,418,362.000 | 11,891 | 14,666,918.400 | 0 | 0.000 | 163,832 | 202,085,280.400 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 163,832 | 202,085,280.400 |
| April ¹ | 141,472 | 174,503,808.000 | 11,507 | 14,193,792.000 | 0 | 0.000 | 152,979 | 188,697,600.000 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 152,979 | 192,844,800.000 |
| May ^{1,3} | 115,350 | 142,282,021.600 | 11,891 | 14,666,918.400 | 0 | 0.000 | 127,241 | 156,948,940.000 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 127,241 | 146,722,560.000 |
| June | 116,161 | 143,283,001.000 | 11,507 | 14,193,792.000 | 410 | 505,607.000 | 128,078 | 157,982,400.000 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 128,078 | 157,982,400.000 |
| July | 117,875 | 145,397,555.000 | 11,891 | 14,666,918.400 | 410 | 505,607.000 | 130,176 | 160,570,080.400 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 130,176 | 160,570,080.400 |
| August | 90,733 | 111,917,555.000 | 11,891 | 14,666,918.400 | 410 | 505,607.000 | 103,033 | 127,090,080.400 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 103,033 | 127,090,080.400 |
| September ^{1,4} | 86,379 | 106,547,934.400 | 11,505 | 14,191,656.000 | 410 | 505,607.000 | 98,295 | 121,245,197.400 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 98,295 | 124,325,277.000 |
| October ^{1,4} | 55,844 | 68,883,259.000 | 11,891 | 14,666,918.400 | 410 | 505,607.000 | 68,145 | 84,055,784.400 | 30,000 | 37,004,670.000 | 4,000 | 4,933,956.000 | 0 | 0.000 | 102,145 | 125,994,410.400 |
| November ¹ | 72,286 | 89,164,601.000 | 11,507 | 14,193,792.000 | 410 | 505,607.000 | 84,203 | 103,864,000.000 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 84,203 | 103,864,000.000 |
| December | 72,414 | 89,322,415.000 | 11,891 | 14,666,918.400 | 0 | 0.000 | 84,305 | 103,989,333.400 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 84,305 | 103,989,333.400 |
| Total | 1,241,011 | 1,530,773,818.000 | 140,000 | 172,689,000.000 | 3,781 | 4,663,259.000 | 1,384,792 | 1,708,126,077.000 | 30,000 | 37,004,670.000 | 15,208 | 18,759,023.000 | 0 | 0.000 | 1,430,000 | 1,763,889,770.000 |

AF = Acre-Feet CM = Cubic Meters Annual totals may differ from the sum of the displayed monthly values due to rounding and conversion from CM to AF.

a/ Volumes include deliveries from Mexico's Water Reserve as shown in Column 7.

b/ Referring to "Emergency Deliveries of Colorado River Waters for Use in the City of Tijuana, Baja California", dated January 28, 2022 (Minute 327), applicable through January 27, 2027.

c/ Referring to "Extension of Cooperative Measures and Adoption of a Binational Water Scarcity Contingency Plan in the Colorado River Basin" dated September 21, 2017 (Minute 323).

d/ Referring to "Joint Report of the Principal Engineers with the Implementing Details of the Binational Water Scarcity Contingency Plan in the Colorado River Basin" dated July 11, 2019 (2019 Joint Report) and "Joint Report of the Principal Engineers with the Operational Provisions Applicable to Water for the Environment Stipulated in Minute 323" dated December 16, 2021 (2021 Joint Report).

e/ Volumes shown are included in "Mexico's Requested Delivery at Northernly International Boundary" (Column 1).

f/ In accordance with Section III.A.6 of Minute 323, Mexico's scheduled deliveries incorporate the required reduction of 70,000 AF (86 million CM) from its 1.5 million AF (1,850,234 million CM) Colorado River water allotment.

g/ "Total Delivery to Mexico in Satisfaction of Treaty Requirements" adds in Mexico's Water Reserve and Mexico's Recoverable Water Savings creation and subtracts out Mexico's Water Reserve and Mexico's Recoverable Water Savings delivery, as applicable.

1/ Delivery Schedule 2 dated January 2, 2023, transmitted via email dated January 2, 2023. Schedule formally transmitted via letter dated February 2, 2023.

2/ Delivery Schedule 3 dated February 10, 2023, transmitted via email dated February 10, 2023. Schedule formally transmitted via letter dated March 15, 2023.

3/ Delivery Schedule 4 dated March 2, 2023, initially transmitted via email dated February 27, 2023 and revised via email dated March 2, 2023. Additional revisions were included in the schedule that was included with the formally transmitted letter dated March 15, 2023.

4/ Delivery Schedule 5 dated March 30, 2023, transmitted via email dated March 30, 2023. Schedule formally transmitted via letter dated June 8, 2023.

**Calendar Year 2023 Colorado River Water Deliveries for Mexico
Delivery Schedule 6 dated May 2, 2023**

| Month | Mexico's Requested Deliveries at Northerly International Boundary ^a | | Mexico's Requested Deliveries at Land Boundary near San Luis, Sonora | | Diversion at Parker Dam to Effect Tijuana Emergency Deliveries in Accordance with Minute 327 ^b | | Total Delivery to Mexico (Col. 1+2+3) | | Creation of Mexico's Recoverable Water Savings That Contribute to the Binational Water Scarcity Contingency Plan in Accordance with Minute 323 ^c and the 2019 and the 2021 Joint Reports ^d | | Water Deferred for Creation of Mexico's Water Reserve in Accordance with Minute 323 ^e | | Deliveries from Mexico's Water Reserve in Accordance with Minute 323 ^f | | Total Delivery to Mexico in Satisfaction of Treaty Requirements ^g (Col. 4+5+6-7) | |
|----------------------------|--|--------------------------|--|------------------------|---|----------------------|---------------------------------------|--------------------------|--|-----------------------|--|-----------------------|---|--------------|---|--------------------------|
| | AF | CM | AF | CM | AF | CM | AF | CM | AF | CM | AF | CM | AF | CM | AF | CM |
| January ^{1,2} | 102,395 | 126,303,166.000 | 11,891 | 14,666,918.400 | 582 | 717,276.000 | 114,867 | 141,687,360.400 | 0 | 0.000 | 11,208 | 13,825,067.000 | 0 | 0.000 | 126,075 | 155,512,427.400 |
| February ^{1,2} | 118,160 | 145,749,240.000 | 10,740 | 13,247,539.200 | 740 | 912,341.000 | 129,640 | 159,909,120.200 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 129,640 | 159,909,120.200 |
| March ³ | 151,942 | 187,418,362.000 | 11,891 | 14,666,918.400 | 0 | 0.000 | 163,832 | 202,085,280.400 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 163,832 | 202,085,280.400 |
| April ³ | 141,472 | 174,503,808.000 | 11,507 | 14,193,792.000 | 0 | 0.000 | 152,979 | 188,697,600.000 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 152,979 | 188,697,600.000 |
| May ^{3,4} | 115,350 | 142,282,521.600 | 11,891 | 14,666,918.400 | 0 | 0.000 | 127,241 | 156,949,440.000 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 127,241 | 156,949,440.000 |
| June ³ | 118,007 | 145,539,801.000 | 11,507 | 14,193,792.000 | 410 | 505,607.000 | 129,523 | 160,259,200.000 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 129,523 | 160,259,200.000 |
| July | 117,875 | 145,397,555.000 | 11,891 | 14,666,918.400 | 410 | 505,607.000 | 130,176 | 160,570,080.400 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 130,176 | 160,570,080.400 |
| August | 90,733 | 111,917,555.000 | 11,891 | 14,666,918.400 | 410 | 505,607.000 | 103,033 | 127,090,080.400 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 103,033 | 127,090,080.400 |
| September ^{2,4,5} | 82,439 | 101,688,019.000 | 11,505 | 14,191,656.000 | 410 | 505,607.000 | 94,355 | 116,385,282.000 | 0 | 0.000 | 2,094 | 2,583,115.400 | 0 | 0.000 | 96,449 | 118,968,397.400 |
| October ^{2,4} | 55,844 | 68,883,259.000 | 11,891 | 14,666,918.400 | 410 | 505,607.000 | 68,145 | 84,055,784.400 | 30,000 | 37,004,670.000 | 4,000 | 4,933,956.000 | 0 | 0.000 | 102,145 | 125,994,410.400 |
| November ³ | 72,286 | 89,164,601.000 | 11,507 | 14,193,792.000 | 410 | 505,607.000 | 84,203 | 103,864,000.000 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 84,203 | 103,864,000.000 |
| December | 72,414 | 89,322,415.000 | 11,891 | 14,666,918.400 | 0 | 0.000 | 84,305 | 103,989,333.400 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 84,305 | 103,989,333.400 |
| Total | 1,238,917 | 1,528,190,702.600 | 140,000 | 172,689,000.000 | 3,781 | 4,663,259.000 | 1,382,698 | 1,705,542,961.600 | 30,000 | 37,004,670.000 | 17,302 | 21,342,138.400 | 0 | 0.000 | 1,430,000 | 1,763,889,770.000 |

AF = Acre-Feet CM = Cubic Meters Annual totals may differ from the sum of the displayed monthly values due to rounding and conversion from CM to AF.

^a Volumes include deliveries from Mexico's Water Reserve as shown in Column 7.

^b Referring to "Emergency Deliveries of Colorado River Waters for Use in the City of Tijuana, Baja California", dated January 28, 2022 (Minute 327), applicable through January 27, 2027.

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^d Referring to "Joint Report of the Principal Engineers with the Implementing Details of the Binational Water Scarcity Contingency Plan in the Colorado River Basin" dated July 11, 2019 (2019 Joint Report) and "Joint Report of the Principal Engineers with the Operational Provisions Applicable to Water for the Environment Stipulated in Minute 323" dated December 16, 2021 (2021 Joint Report).

^e Volumes shown are included in "Mexico's Requested Delivery at Northerly International Boundary" (Column 1).

^f In accordance with Section III.A of Minute 323, Mexico's scheduled deliveries incorporate the required reduction of 70,000 AF (86 million CM) from its 1.5 million AF (1,850,234 million CM) Colorado River water allotment.

^g "Total Delivery to Mexico in Satisfaction of Treaty Requirements" adds in Mexico's Water Reserve and Mexico's Recoverable Water Savings creation and subtracts out Mexico's Water Reserve and Mexico's Recoverable Water Savings delivery, as applicable.

1/ Delivery Schedule 2 dated January 2, 2023, transmitted via email dated January 2, 2023. Schedule formally transmitted via letter dated February 2, 2023.

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4/ Delivery Schedule 5 dated March 30, 2023, transmitted via email dated March 30, 2023. Schedule formally transmitted via letter dated June 8, 2023.

5/ Delivery Schedule 6 dated May 2, 2023, transmitted via email dated May 25, 2023. Schedule formally transmitted via letter dated June 8, 2023.