



Utilities

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MEMORANDUM

DATE: March 8, 2023

TO: Water Commission

FROM: Michael Neale, Water Resources Engineer
& Water Resources Division Staff

RE: **February 2023 Water Resources Division Staff Report**

Purpose

This memorandum is intended to update the Water Commission on water resource conditions for the City of Fort Collins Water Utility (Water Utility) over the month of February and provide updated outlook information. For additional information, please refer to the City's website:

<https://www.fcgov.com/utilities/water-status>

Water Resources Summary

Supply and Demand

- Water Supply – During the month of February, water supply consisted of 58% from the Cache La Poudre River, and 42% from Horsetooth Reservoir.
- Water Demand – Demands within the Water Utility service area for the month of February:
 - Water demand in February was 98.4% of projected demand.

Snowpack: Natural Resources Conservation Service SNOTEL program percent of median snow water equivalent totals as of 3/07/2023:

- Upper Colorado Basin: 121% of median.
- Poudre Basin: 109% of median.

Cache la Poudre River flow: Graphical data for the Poudre River is available on-line at:

- Cache La Poudre River at the Canyon Mouth
<https://dwr.state.co.us/Tools/Stations/CLAFTCCO?params=DISCHRG>
- Cache La Poudre River at Fort Collins
<https://dwr.state.co.us/Tools/Stations/CLAFORCO?params=DISCHRG>

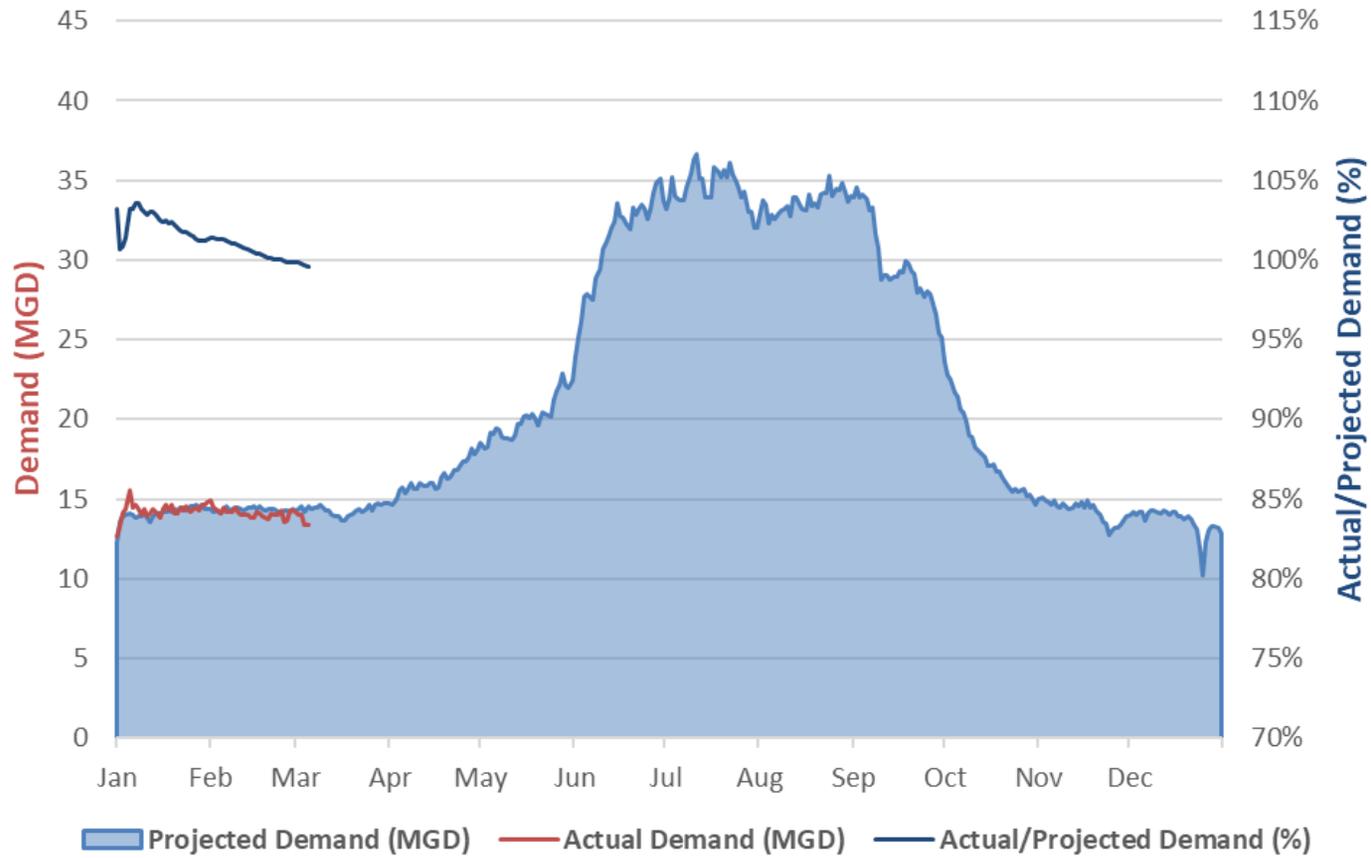
Other Water Supply Considerations:

- The Colorado-Big Thompson (CBT) system currently with 100% equivalent quota in project reserves, this on top of the initial quota allocation and carryover. See Northern Water's March 1 report attached.



- Water Resources Division is closely monitoring the hydrology of the Colorado River basin, the statewide and regional discussions around the Colorado River Compact, and any demand management action by the Federal Bureau of Reclamation in response to drought in the Colorado River basin.
- Water Resources Division maintains close communication with Northern Water regarding any drought response or policy action affecting the CBT system. As of now, there is no indication of drought management action needed from Northern Water.
- If drought management action is called for, the Water Shortage Action Plan (WSAP) is in place to guide our decisions and actions (fcgov.com/WSAP).

2023 Fort Collins Utilities Treated Water Demands

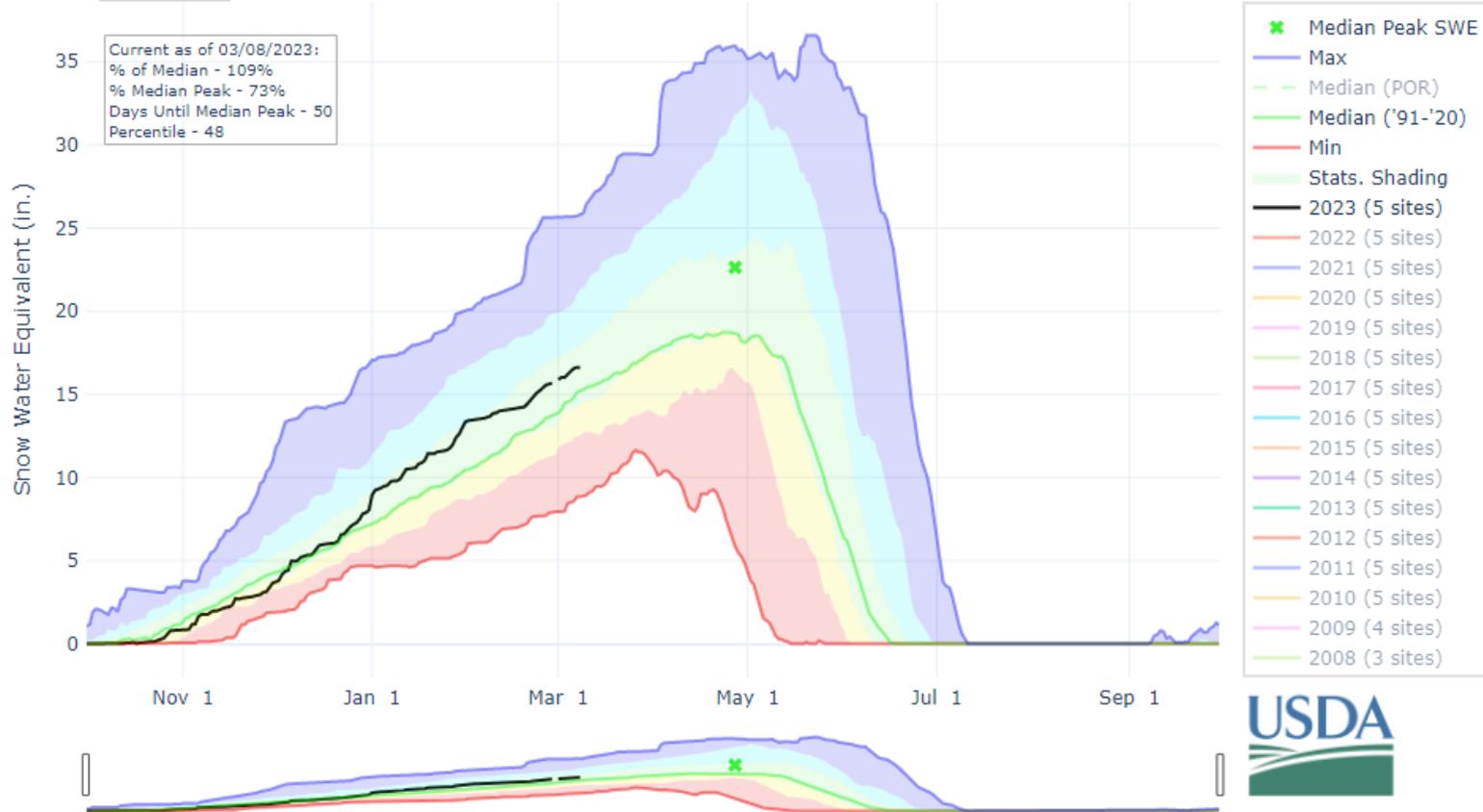


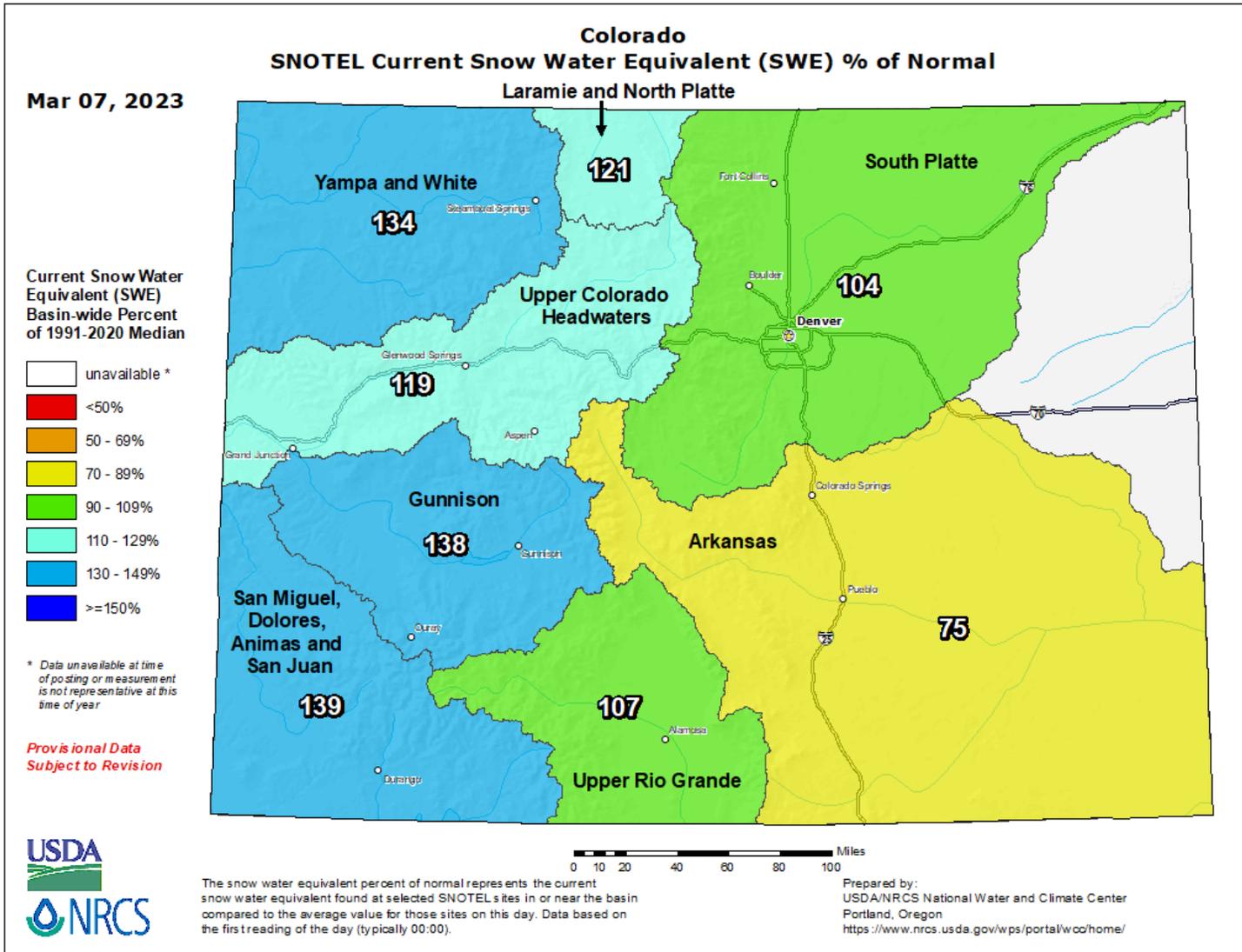
SNOW WATER EQUIVALENT IN CACHE LA POUUDRE

Reset Range

[Link to data: CSV / JSON](#)

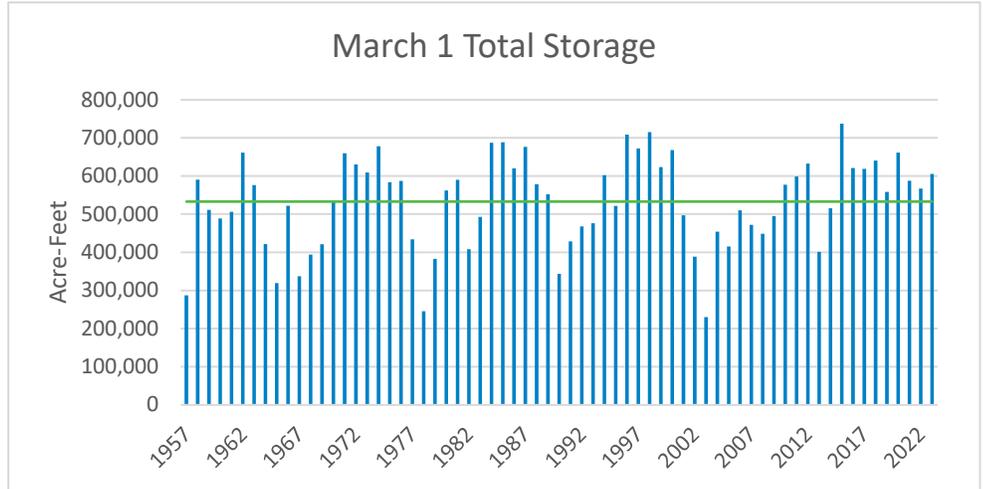
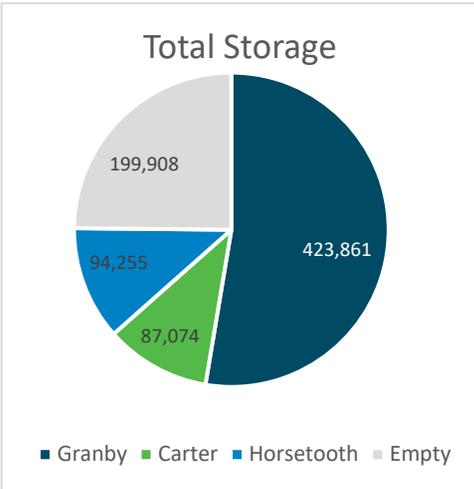
[Station List](#)



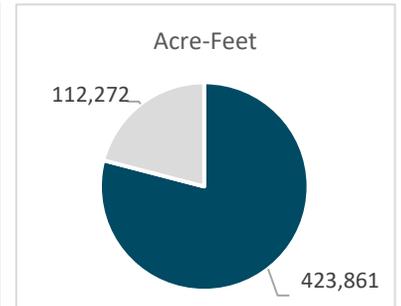
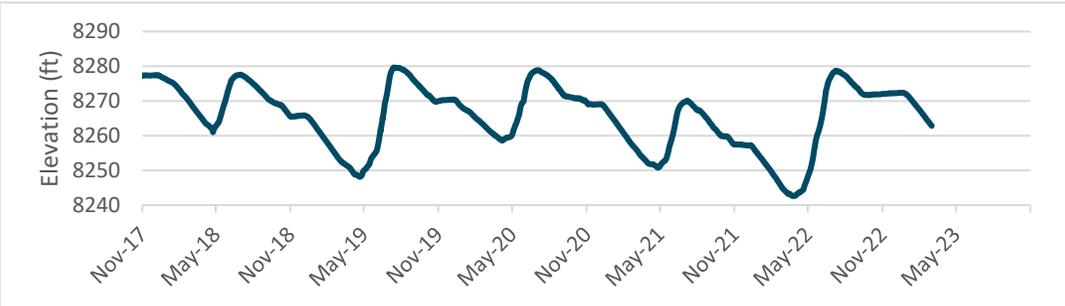


C-BT Project Storage

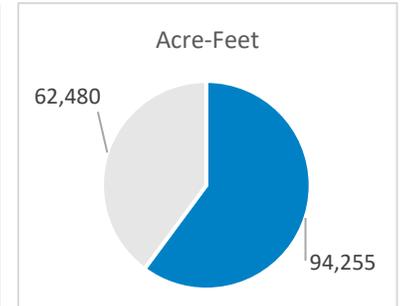
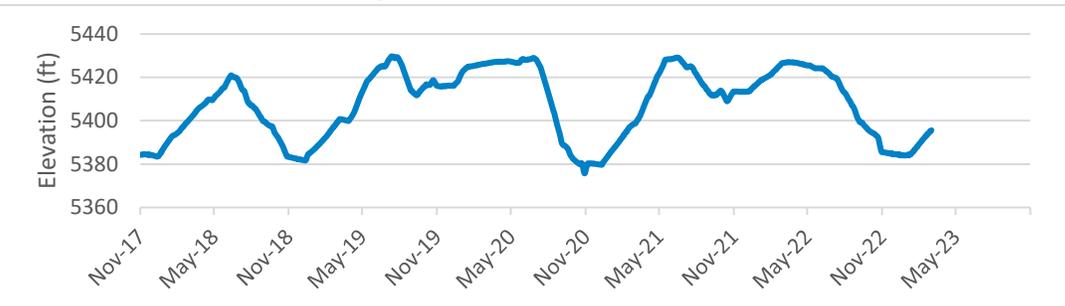
March 1, 2023



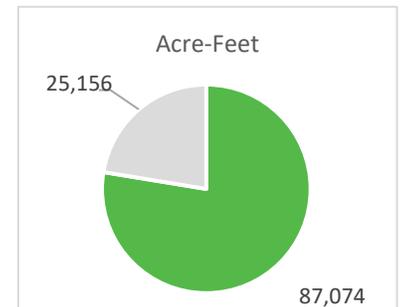
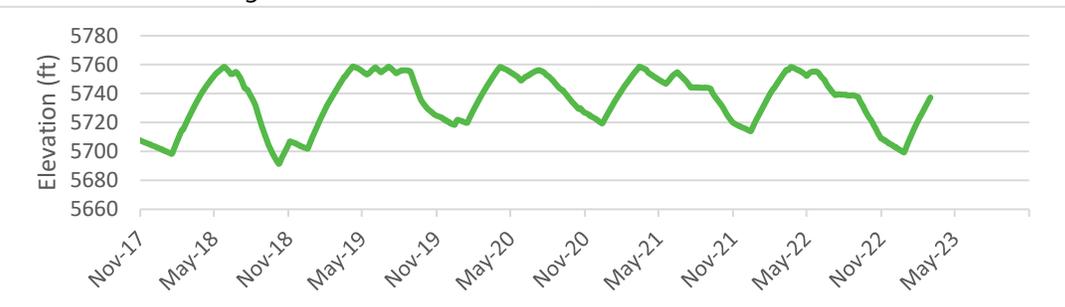
Lake Granby Storage in Lake Granby decreased 28,303 acre-feet last month



Horsetooth Reservoir Storage in Horsetooth Reservoir increased 9,040 acre-feet last month



Carter Lake Storage in Carter Lake increased 14,808 acre-feet last month



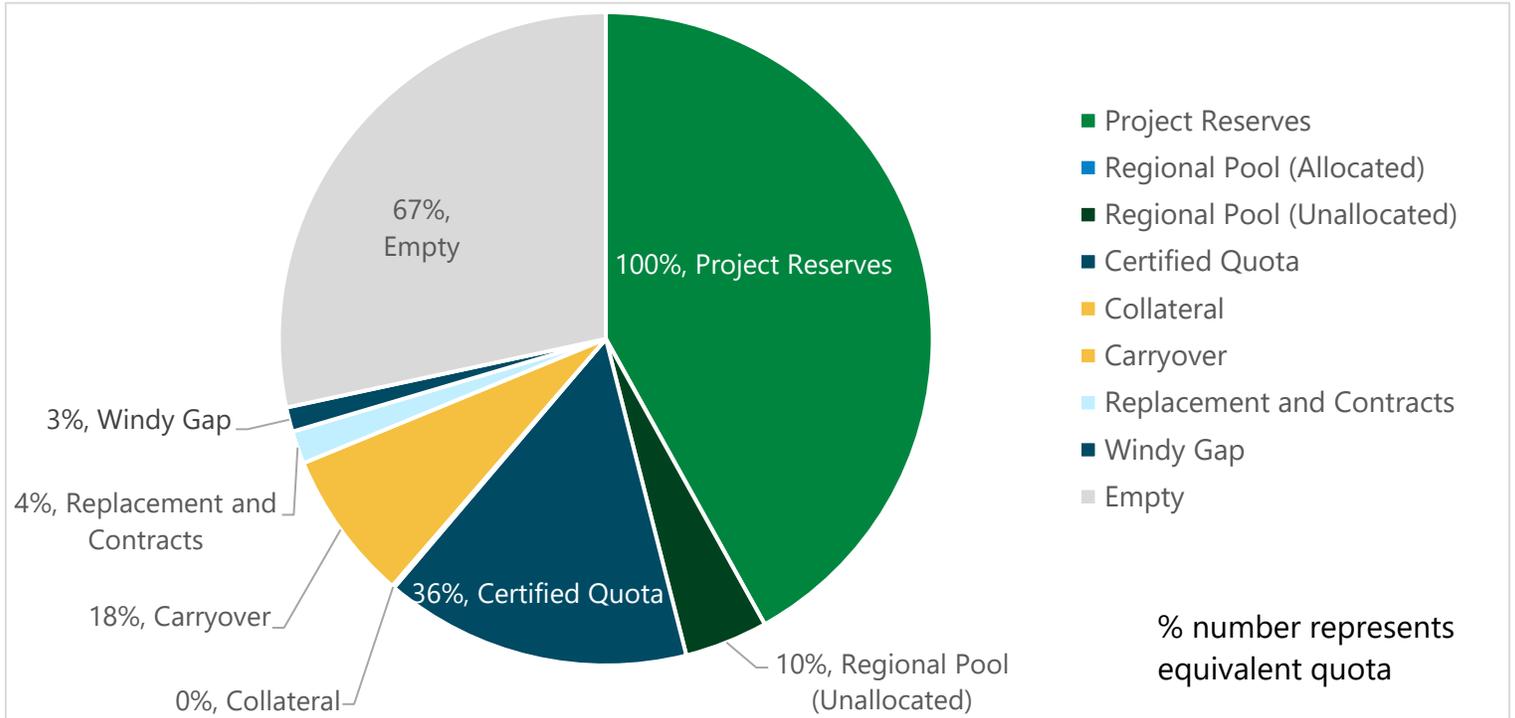
Note: Storage in pie charts represents total storage (active and dead storage).

C-BT Project Allocated Water

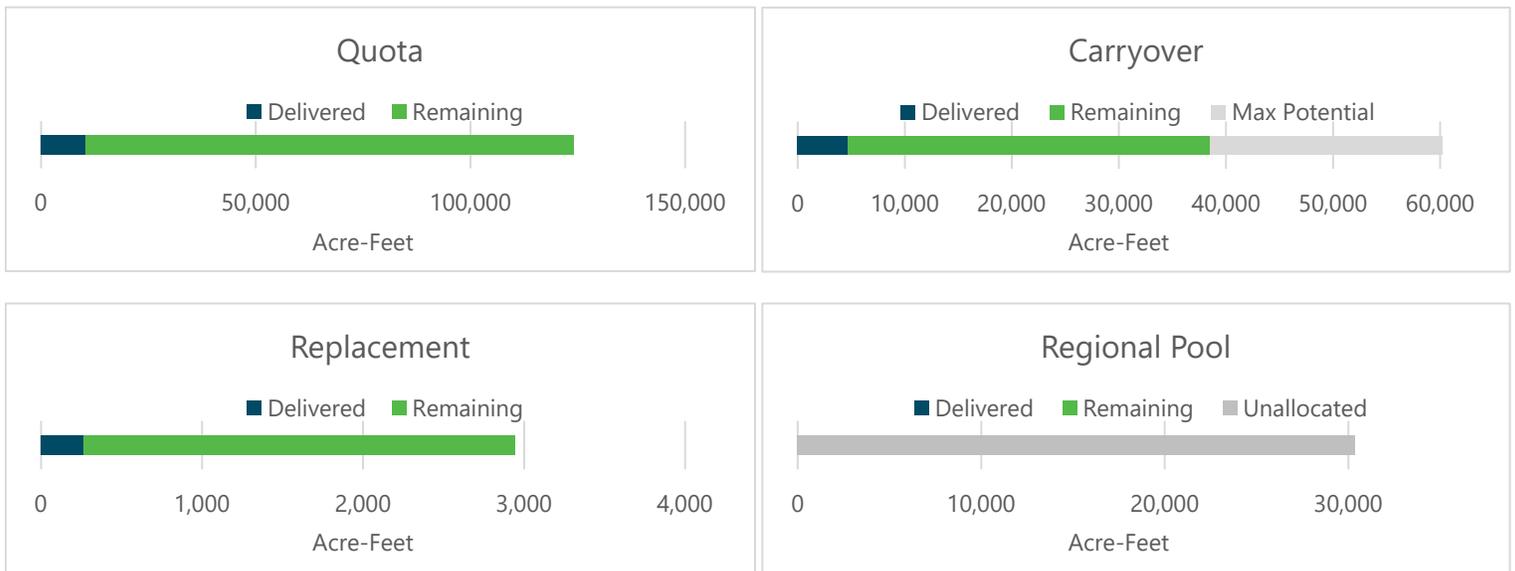
March 1, 2023



C-BT Active Storage



C-BT Delivery Obligations

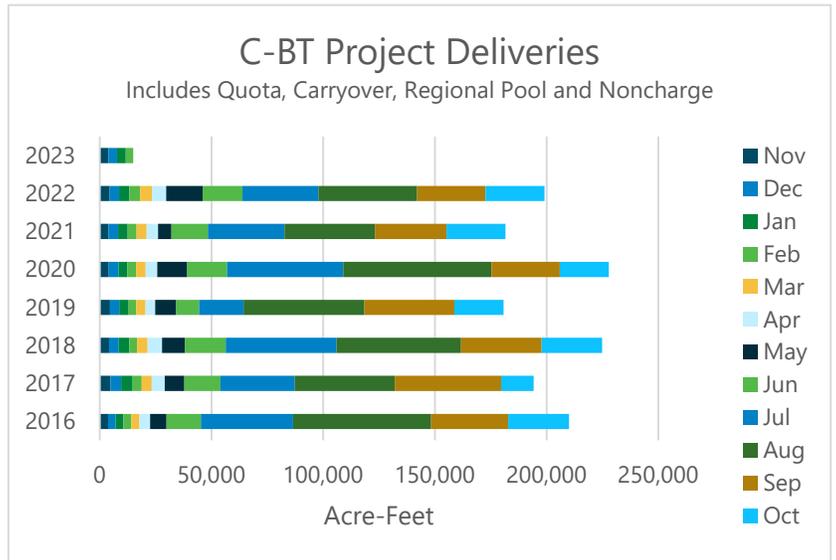
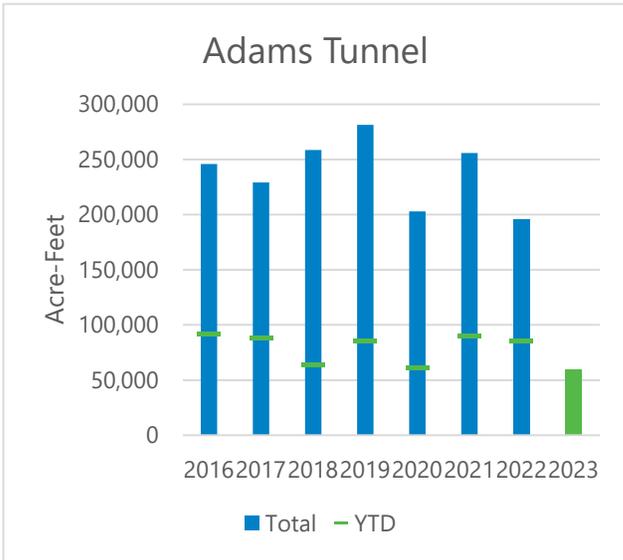


Notes:

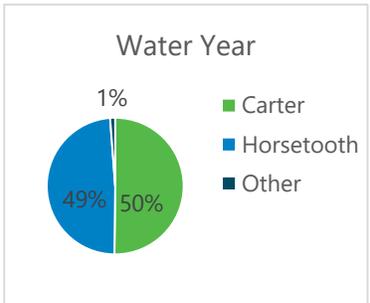
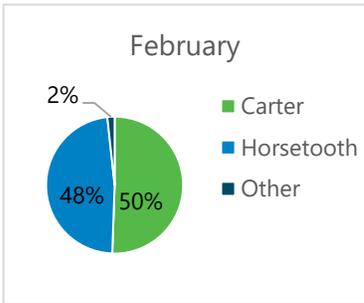
- 1) Quota set at 40%
- 2) Carryover - Carryover will not be certified until April 30. Until that date, the Maximum Potential Carryover is reported for Carryover so that adequate supplies are set aside to fulfill all potential obligations.
- 3) Regional Pool - Additional water will accrue to the Regional Pool until April 30. The current volume reflects water supplies not eligible for the Carryover Program.
- 4) Pie chart reflects the active storage in Granby, Carter, Horsetooth and Boulder Reservoir.

C-BT Project Deliveries

March 1, 2023



Deliveries by Area



Deliveries by Use

