• **Target Storage Volume**
  - Minimum storage level required for adequate drought protection
  - Anything in excess may be made available for ag or other uses
  - Evaluated annually
  - Based on multi-year forecast using the Poudre Basin Network model

• **What’s adequate drought protection?**
  - Amount of water needed to support demand through a 6-year drought
    - 6 consecutive years of below average runoff
Conservative Assumptions

• 60% quota from Northern (until issued at Apr Board meeting)
• No pumping of Windy Gap water (collateralized C-BT)
  ○ Doesn’t yield in dry years, limited storage capacity in wet years
• Greeley-Loveland Irrigation Co. (GLIC) dividends for dry-year
• Water demand similar to 2012
• No storage in High Mountain Reservoirs
Variables used to forecast
Timeline

• Northern declares CBT quota at April Board
• Water Resources considers forecast and assumptions with actual CBT quota to determine System Storage Volume
• <20,000 AF=Drought declared and enforce watering restrictions
• >20,000 AF=amount excess water available for rent to agriculture
  o W&S Board declares adequate water year (3rd Wed. of April) and approves renting of excess water to Ag
  o Staff starts contacting requestors
Agriculture Water Rental Program

Policy Overview:

• Agriculture users only
• Submit requests January 1st at 8am
• Online only submission for 2020
  o Adding irrigated acres to submission form
• 500 AF max allotment
• Cost to rent
  o Each Supply’s average assessment cost plus administrative fee.
    • Administrative fee: 10% of total assessment cost up to $500.
  o Northern Water’s Rule 11 charge is not included in Greeley rental cost
Agriculture Water Rental Program

- Basin Priority
  1. Cache La Poudre
  2. Big Thompson downstream of Handy Ditch (mouth of Big Thompson canyon)
  3. South Platte ditches if supplies are available
- W&S Board and/or the Director may elect to reserve up to 15% of supplies for economic partners and priorities within the South Platte Basin
- If water is found to be used for non-agricultural uses, renter will not be allowed to rent supplies in the future
Sources available

- CBT
  - ~22,800 units
  - Typically yields more in dry years, keeping more water in storage during wet
  - Used for ag without need for change, no RFOs

- GLIC: changed and unchanged
  - Big Thompson
  - Up to ~30,000 AF in carryover
  - Junior water right

- Water Supply & Storage Co. (WSSC) unleased shares
## Summary of rentals over past 5 years

<table>
<thead>
<tr>
<th>Year</th>
<th>Rentals (AF)</th>
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<tbody>
<tr>
<td>2015</td>
<td>20,985</td>
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<tr>
<td>2016</td>
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<td>2017</td>
<td>22,207</td>
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<td>2018</td>
<td>28,826</td>
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<tr>
<td>2019</td>
<td>25,684</td>
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Questions?