Cindy Brady, Raw Water Supply
Tonight’s Agenda

• New Raw Water Supply Manager
  – David Bennett
• Snowpack
• Long-Range Precipitation Forecast
• Williams Fork Reservoir Projections
• Moffat Tunnel Projections
• Dillon Reservoir Projections
• Questions
June - August Precipitation Forecast

THREE-MONTH OUTLOOK PRECIPITATION PROBABILITY
1.5 MONTH LEAD
VALID JJA 2017
MADE 20 APR 2017

EC MEANS EQUAL CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW

5/19/2017

DENVER WATER
## Williams Fork Reservoir Projections

<table>
<thead>
<tr>
<th></th>
<th>June</th>
<th>July</th>
<th>Aug</th>
<th>Sept</th>
<th>Oct</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inflow (cfs)</strong></td>
<td>700-900</td>
<td>200 - 700</td>
<td>100-200</td>
<td>50 - 100</td>
<td>50 - 80</td>
</tr>
<tr>
<td><strong>Outflow (cfs)</strong></td>
<td>100 - 800</td>
<td>175 - 800</td>
<td>250-400</td>
<td>220-425</td>
<td>60 -75</td>
</tr>
<tr>
<td><strong>End of Month Contents (AF)</strong></td>
<td>97,000 (full)</td>
<td>92,000 - 97,000</td>
<td>77,000 - 79,000</td>
<td>67,000 - 68,000</td>
<td>66,000 - 68,000</td>
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</tbody>
</table>
Moffat Tunnel Diversions

Acre-Feet

May, June, July, August, September

2017
Dillon Reservoir Operations

Caution: The following are very rough predictions. Denver water will be watching the weather and operating as best we can to meet the operational goals.

1. We think the reservoir elevation has reached it lowest point for the spring at 9003.5 feet back in mid-April. Dillon’s elevation should be between 9010 and 9014 late May or early June, and start spilling between mid-June and early July.

2. We think there will be raftable flows (500 cfs or more) from mid to late May and will likely last until late June or early July. Flows will be highly dependent on how quickly and when snowpack melts.
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Denver Board of Water Commissioners

Water Collection System

Collection Systems

1. South Platte
2. Moffat Tunnel
3. Roberts Tunnel
4. Williams Fork Watershed

Treatment Plant

Continental Divide

Stream or River

Tunnel, Canal or Ditch
Denver Water: Treated Water Gallons per Capita per Day

1995 2000 2005 2010

100 150 200 250