Water Supply Update
June 3, 2014

- Lake Levels & Modeling
- Water Conservation & Goals
- Water Supply Plans
- Extension of Seasonal Watering

Presented By: Tom Kula & Mike Rickman
<table>
<thead>
<tr>
<th>Reservoir</th>
<th>Conservation Pool Elevation</th>
<th>Current Elevation</th>
<th>Down</th>
<th>% of NTMWD’s Remaining Supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lavon 30%</td>
<td>492.0’ (Last full on 5-14-12)</td>
<td>480.53’</td>
<td>-11.47’</td>
<td>38</td>
</tr>
<tr>
<td>Chapman 15%</td>
<td>440.0’ (Last full on 4-14-10)</td>
<td>433.08’</td>
<td>-6.92’</td>
<td>49</td>
</tr>
<tr>
<td>Tawakoni 8%</td>
<td>437.5’</td>
<td>429.51’</td>
<td>-7.99’</td>
<td>57</td>
</tr>
<tr>
<td>Texoma 28%</td>
<td>617.0’</td>
<td>608.78’</td>
<td>-8.22’</td>
<td>100</td>
</tr>
</tbody>
</table>
Lake Level Modeling with Planned Measures

Statistics and Shortages for Planned Measures

- Normal-Dry (25%)
- Dry (20%)
- Very Dry (4.5%)
- Stage 3 Trigger
- Stage 4 Trigger
- Top of Conservation Pool

Minimum - Historical Elevation - Minimum (Historical Flows) - 5th Percentile - 25th Percentile - Median
NTMWD Raw Water Diversions versus Goal

Comparison of Minimum for All Scenarios

- Begin Dallas
- Texoma WTPs 3&4
- Texoma WTPs 1&2
- Top of Conservation Pool
- Stage 3 Trigger
- Stage 4 Trigger
- Elevation 470

Historical Elevation
Goal - 10% Reduction
20% Reduction - Start May 16
CIP Dry Year Demand
20% Reduction Demand
Water Supply Plans

- **Dallas Interim Purchase**
  - May 2013 through May 2016 (Extend to 2020)
  - Continuing to meet with Dallas

- **Lake Texoma Supply**
  - May and June completion

- **Dredging Lavon and Chapman**
  - Access to water blocked by silt in intake channel
    - Chapman underway
      - Completion in July
    - Lavon scheduled to start in the Fall

- **Main Stem Pump Station**
  - Supplements East Fork Wetlands
  - Continuing to meet with Dallas
Extension of Seasonal Watering

- Extend Stage 3 “Seasonal Watering” through October 31st
- Stage 3 “Seasonal Watering” allows once every two weeks watering from November 1st – March 31st
- All Member Cities and Customers should have procedures in place to enforce twice per month watering