MILTON SEAMAN WATER SUPPLY PROJECT

Water Literate Leaders

GREELEY, COLORADO

May 10, 2018



What's Changing

State Perspective Population

- Colorado projected to grow from 5.1M to 10M people between 2008 and 2050
- Metro, and South Platte Basins projected to have largest populations in state
- SWSI Report population projections for Larimer and Weld Counties: 441,905 and 473,275, respectively by 2030



Figure 4-1 State of Colorado Population Projections through 2050

Population Related to Greeley

- What does this mean for Greeley?
 - 2050 growth projections do not include area north of Greeley
 - Greeley's population projected to double by 2050
 - Greeley's average growth rate a little less than 2%







Greeley's Four Point Plan

Four Point Plan

Continuing and Enhancing Water Conservation

Strengthening Infrastructure Supply Acquisition Developing Additional Storage

City of Greeley conservation target

•City has progressive and effective water conservation program

•2015 plan continues long-term conservation programs implemented in 2006 and earlier

•Implemented rotational watering and time-of-day restrictions in 1907

•Additional conservation in Greeley will be through outdoor programs



30% Reduction in Measured Water Use



Enhanced Conservation Measures - WET

Water Efficiency Team

- Water Budget Rate Structure
- Water Educational Program Helvetica
- Focus on Landscape Work With Other Departments









Why Storage?

- Helps manage use of existing water rights
- Cost-efficient way to meet future demands while benefiting existing customers
- Provides place to store water in wet and average years to use in dry years

Storage Balancing Effect



Amount (acre-feet)

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What We Are Planning

- •MSWSP separated from Ft. Collins Halligan EIS in January 2015
- •Current Demand = 25,000 ac/ft today
- •USACE allows Population projection to 2065
- •Greeley begins work to update Purpose and Need
- •Even after implementing conservation, improving infrastructure and purchasing water rights, Greeley will not have sufficient water to meet 2065 demands.
- •Additional storage will help meet the 2065 demands.

Permitting Progress

- •Purpose and Need Report Pending
- •No Action Alternative Pending
- •Technical reports begun to quantify impacts to
 - •Fisheries
 - •Riparian ecology
 - •Water quality
 - •Geomorphology
 - •Groundwater
- •Alternatives being defined

Permitting Next Steps - Long Term

- •Corps will publish DEIS (2020) and take public comments
- •Corps will select the Least Environmentally Damaging Practicable Alternative (LEDPA): either an enlarged Seaman or one of the alternatives.
- •Greeley will develop mitigation plan for impacts
 - ➤Artificial wetlands
 - ➤ Habitat preservation and enhancement
 - >Operational constraints

Thank you.