

Thornton Water Project

Stewardship in Water Development

Denver Metro Chamber of Commerce

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Anticipated Needs

- Colorado's population is projected to nearly double by 2050
- Thornton is projected to nearly double in size by 2065
- Colorado Water Plan projection for 2050
Municipal and Industrial Supply/Demand Gap
 - Statewide – 101 to 182 Billion gallons/Year
 - S Platte Basin – 66 to 101 Billion gallons/Year
- With TWP, Conservation, Reuse, none of the gap is associated with Thornton's growth

Resource Stewardship

- Current Thornton Population about 136,000
- Effective conservation programs
 - Early Adopter of conservation programs
 - Residential GPCD: 79 (2015); 86 (5-yr)
 - Overall GPCD: 106 (2015); 114 (5-yr)
- Capture and reuse of effluent
- Current water system is adequate for 158,000 (mid-2020's)

Thornton's Prudent Planning

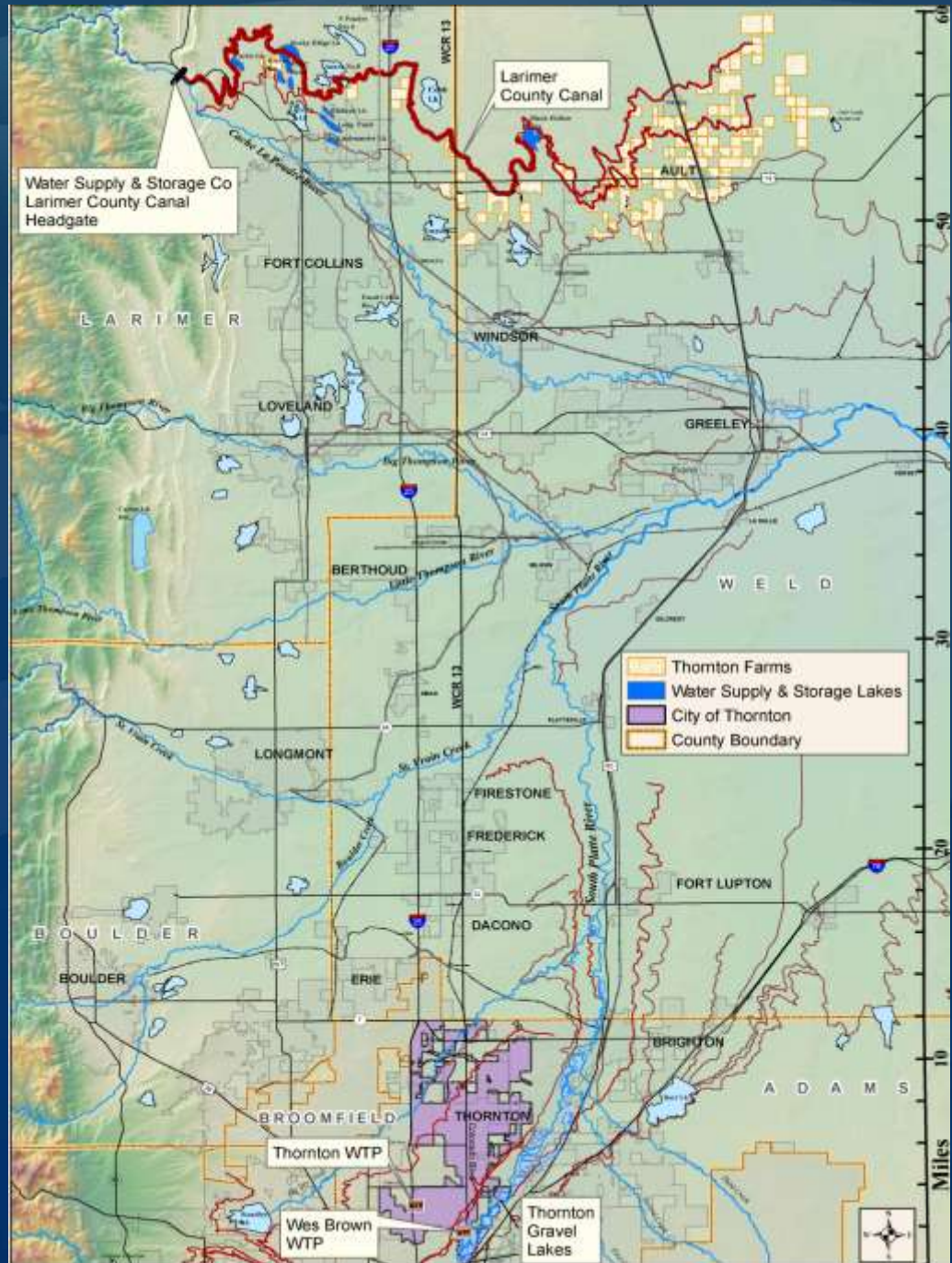
- 1956 to 1980 – Acquired diverse water supplies on South Platte River and Clear Creek
- 1980's – At one time, the largest non-Denver participant in Two Forks
- 1980's started exploring alternatives to Two Forks, and identified a ditch system on the Cache la Poudre River

Supply Overview

47% of Water Supply and Storage Company (WSSC)
17% of Jackson Ditch Company
(initially only a portion of this water will be delivered to Thornton)

Native water rights
Transmountain water rights
Existing storage

No change in point of diversion from the Poudre River



Options for Delivery

- Pipeline from WSSC Reservoirs
- Pipeline from lower on Poudre or Larimer County Canal
- River Exchange
- Colorado-Big Thompson System

Conclusion:

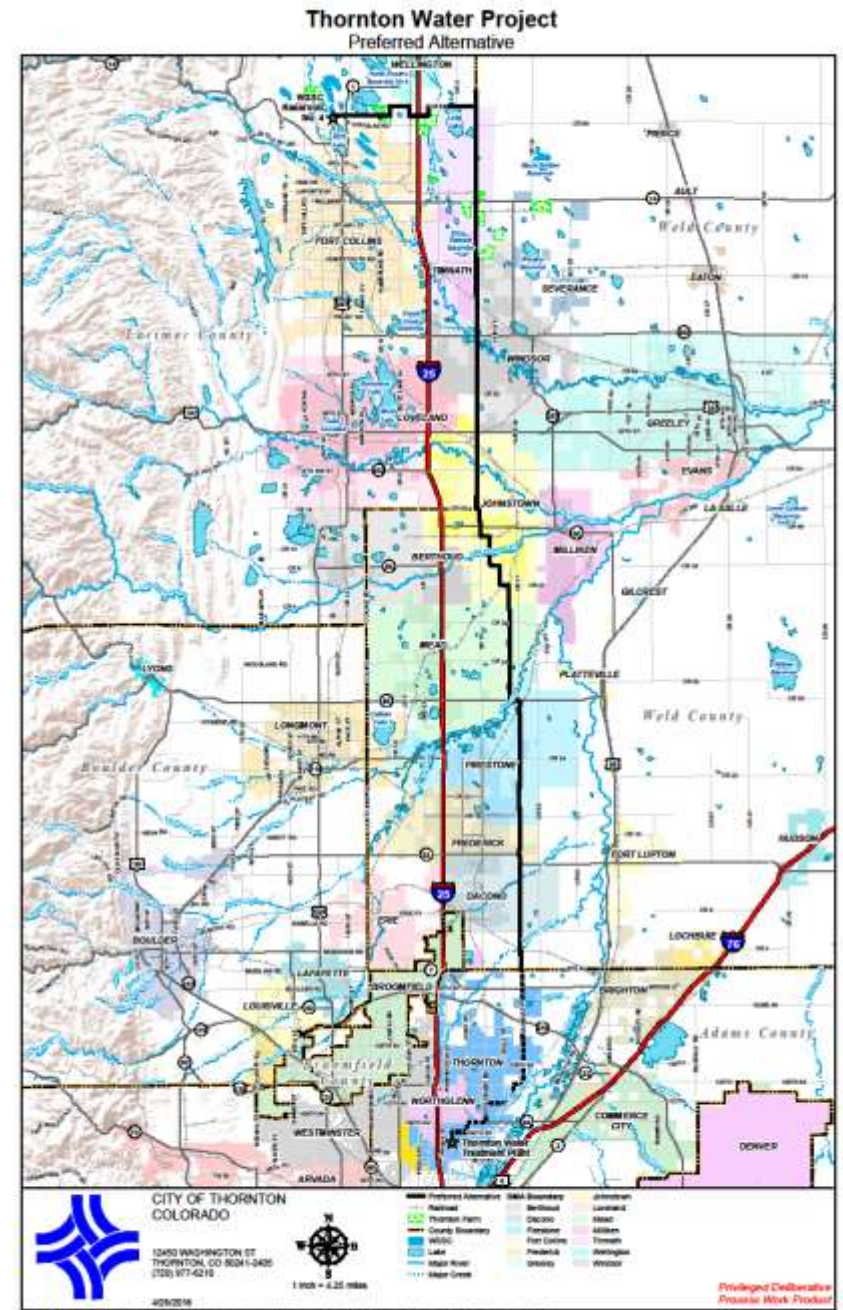
- Pipeline from WSSC is the only alternative that can deliver the needed amount, in the required timeframe, and preserve the quality of the water
- Note: Diversions from River continue as they have for 100+ years

City Council Direction for the Project

- Vision – Sustaining a Quality Community
- Mission – Securing our Water Future
- Values – Implementation of a model agricultural to municipal water development program
- Guiding Principles – Collaboration; Open Communication; Minimize Impacts to Environment and Communities

Preferred Corridor

- Work with Property Owners, Counties, Cities, and Towns on specific locations



A Model Program – To Date

- Stewardship of water and land resources
 - Conservation, Reuse of existing supplies
 - Continued agricultural productivity
 - Good neighbor approach
- Working Local Vendors
- Voluntary tax payments
- Farm and House leases
- Water leases - 740K AF
- Phased conversion of irrigated farms

Responsible Transition

- Farms remain in irrigated agriculture until water is needed in Thornton - an 80 year transition to full conversion of the water
- 5 to 7 year transition from irrigated to self-sustaining cover
- Ongoing weed and dust control
- Production of non-irrigated crops
- Thornton “owns” its responsibilities to be good stewards of the land

Next Steps

- Continued Outreach to Area Communities
- Gather Property Information
 - Title, Value
- Property owner contacts/negotiations
- Develop Permit Applications
- Finalize locations and routes
- Acquire easements
- Design and Build!



TIMELINE

	2016	2017	2018	2019	2020	2021	2022	2023	2024	Project Operational
Permitting and Land Acquisition	Active	Active	Active	Active	Active	Active	Active	Active	Active	Active
Design			Active	Active	Active	Active	Active	Active	Active	Active
Construction				Active	Active	Active	Active	Active	Active	Active
Restoration and Stewardship					Active	Active	Active	Active	Active	Active

www.ThorntonWaterProject.com

Project Information

- If you would like more information:
 - www.thorntonwaterproject.com
 - Project information
 - Sign up for Updates
 - info@thorntonwaterproject.com
 - 720-977-6700

Thank You!

