

CASTLE ROCK WATER

UPDATE: WATER RESOURCES STRATEGIC MASTER PLAN

JUNE 15, 2021

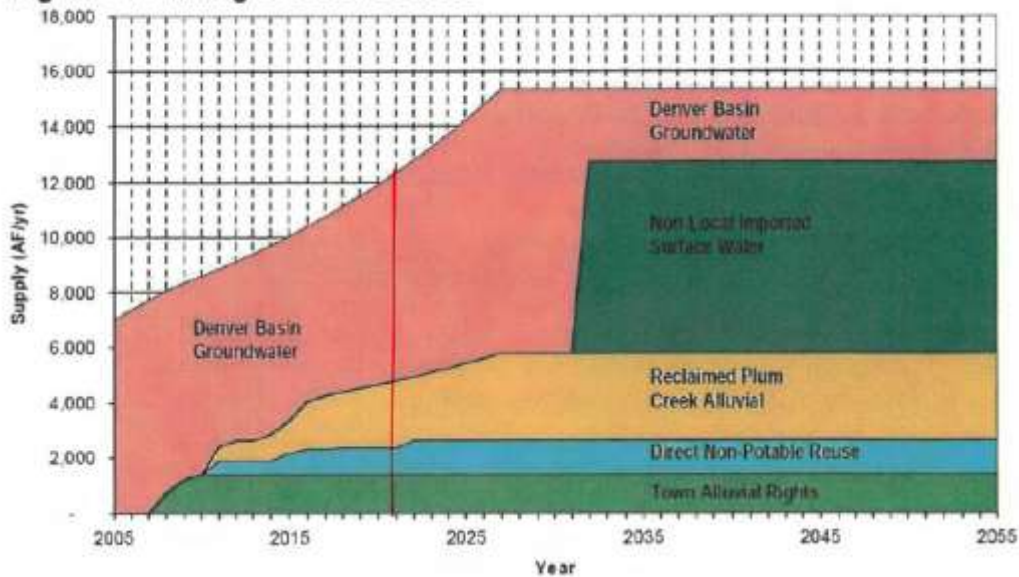


WRSMP

BACKGROUND

- Overall Goal
 - 75% Renewable Water by 2050
 - Multigenerational Plan
 - Existing & Future Customers
- Plan History
 - First Plan 2006
 - Subsequent plan updates 2010, 2016
- Financials

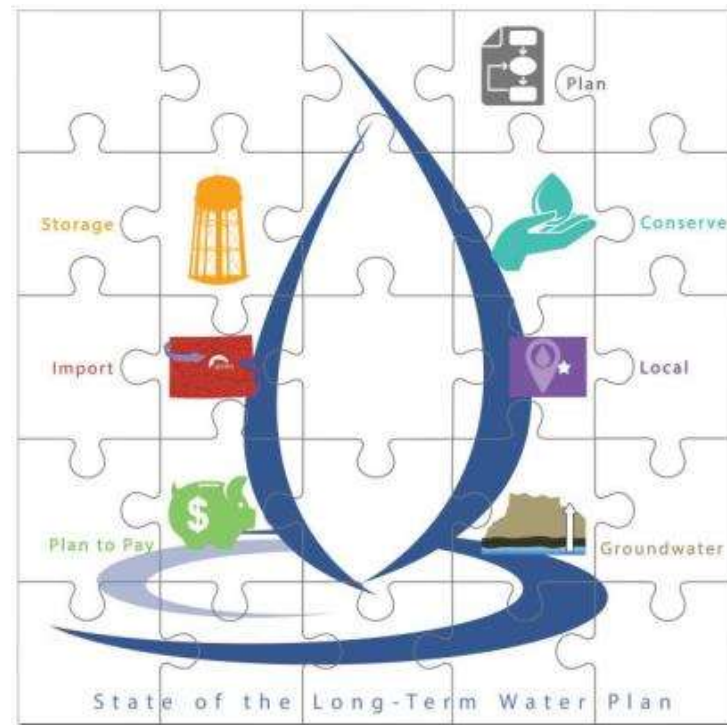
Figure 1-1: Timing of Water Sources



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COMPONENTS OF PLAN

- Continue to Plan
- Promote Water Conservation
- Develop Storage
- Utilize Local Renewable Water Sources
- Import Additional Renewable Water Resources
- Protect Non-Renewable Groundwater as a Drought Supply
- Ensure Financial Resources to Fund the Plan



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ACCOMPLISHMENTS FROM 2016 UPDATE

- New Conservation Initiatives
- United assets – Diversion, Storage, Easements
- Began storing water in Chatfield Reservoir
- Initiated design of Castle Rock Reservoir No. 2
- Constructed Plum Creek Pump Station & Pipeline
- Completed advanced treatment at PCWPF
- Member of Cherry Creek Project Water Authority
- Filed Box Elder Water Court application
- Drilled eight new Denver Basin wells
- Permitted aquifer storage & recovery wells



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GOALS FOR THE UPDATE

- Additional conservation initiatives
- Complete construction of Castle Rock Reservoir No. 2
- Construct pipeline from Plum Creek Basin to Rueter-Hess Reservoir
- Begin storage in ASR wells
- Begin design of pump station out of Chatfield Reservoir
- Finalize construction of Parker Midsection Pipeline
- Obtain Water Court decree for Box Elder
- Implement delivery of CCPWA renewable water to Castle Rock
- Fully utilize our 2,000 AF WISE subscription



Plum Creek Diversion and Pump Station

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OUTREACH

- Castle Rock Water Commission
- Parks & Recreation Commission
- Planning Commission
- Public Works Commission
- Development Services Technical Review Committee
- Development Review Team
- Economic Development Commission
- Developer's Roundtable
- Chamber of Commerce Board
- Open Houses



East Plum Creek near PCWPF



QUESTIONS?