

CASTLE ROCK WATER

**UPDATE:  
WATER RESOURCES  
STRATEGIC MASTER PLAN**

APRIL 5, 2022



# WRSMP

## 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



# NOTABLE ACHIEVEMENTS

- **A few accomplishments since 2016 Update:**
  - New Conservation Initiates
  - Closed on United assets – Diversion, Storage, Easements
  - Began storing water in Chatfield Reservoir
  - Initiated design of Castle Rock Reservoir No. 2
  - Constructed Plum Creek Pump Station and Pipeline
  - Completed advanced treatment processes at PCWPF
  - Became members of Cherry Creek Project Water Authority
  - Filed Box Elder Water Court application
  - Drilled eight new Denver Basin wells



# 5 YEAR GOALS

- Implement 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*

# FINANCIAL PLANNING

- Cost-of-Service model for rates & fees
- Guidelines for Water Enterprise ratemaking (AWWA Manual M1)
- Rates/Fees Study done annually
- Closed on \$30 million revenue bonds in February ( $i = 2.39\%$ )
- Water Resources Investments
  - \$236 million (2006 through 2021)
  - \$523 million (now through 2060)



*East Plum Creek as it flows through Castle Rock*

# WRSMP

## OUTREACH AND RECOMMENDATIONS

- 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?



I MOVE TO APPROVE RESOLUTION NO. 2022-XXX  
AS INTRODUCED BY TITLE

I MOVE TO APPROVE THE RESOLUTION AS INTRODUCED BY  
TITLE, WITH THE FOLLOWING CONDITIONS: \_\_\_\_\_

“I MOVE TO CONTINUE THIS ITEM TO THE TOWN COUNCIL  
MEETING ON \_\_\_\_\_ DATE TO ALLOW  
ADDITIONAL TIME TO: \_\_\_\_\_