

CASTLE ROCK WATER

# **AMENDMENT TO WELLS CR-232 AND CR-233 ASR AND DOWNHOLE POWER GENERATION PUMPING EQUIPMENT PROJECT**

NOVEMBER 17, 2020



# WELLS CR-232 & CR-233 AMENDMENT

## BACKGROUND

- Located at Ray Waterman Water Treatment Plant (RWWTP)
- Anticipated production: 1.0 - 1.2 million gallons per day
- Drilling completed
- Designed for Aquifer Storage and Recovery (ASR)
  - Store excess WISE and Imported Water
  - No evaporation and quality stays similar
- Pilot testing of downhole power generation system
- Partnering with Dominion Water and Sanitation District
- Contract with Hydro Resources for equipping the two new Denver Basin wells
- Original Agreement approved by Council in March 2020, 7-0



# WELLS CR-232 & CR-233 AMENDMENT

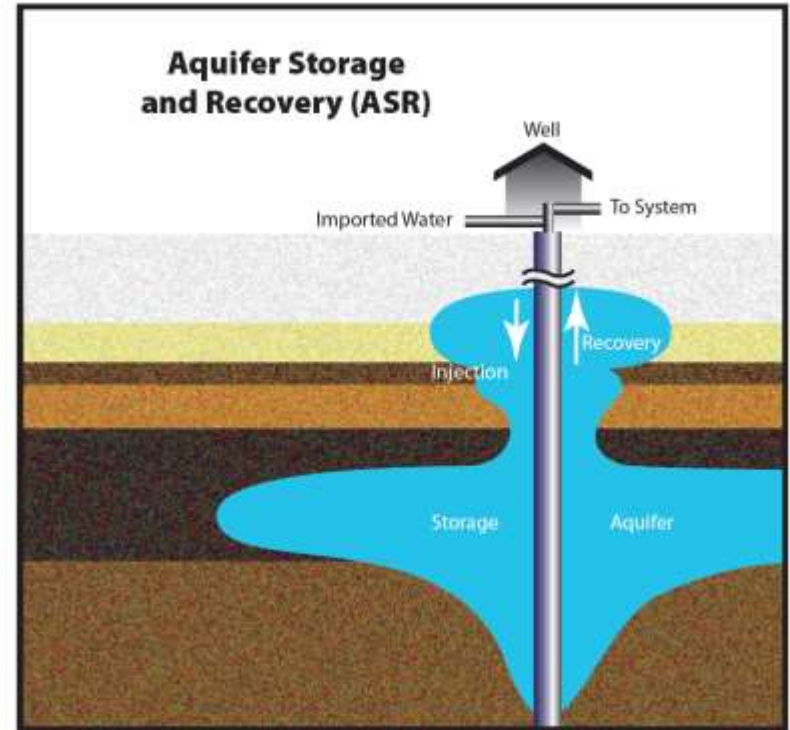
## DETAILS

### Original Agreement

- Hydro Resources selected through sole source
- Piloting new ASR power generation valve
- Award of \$2,293,335, March 2020, Council vote 7-0

### Amendment

- Separate Pilot Testing Agreement
- Ongoing mechanical and technical support
- Includes a defined scope for pilot testing
- Provisions for equipment failures, Performance requirements, Ability for either party to terminate
  - ✓ Contractor to replace all equipment with standard ASR at contractor cost under above circumstances



# WELLS CR-232 & CR-233 AMENDMENT

## PROJECT SUMMARY

### Contractor

- Hydro Resources – Rocky Mountain, Inc.

### Schedule

- Operational Fall 2021
- Start in Late 2020
- Potential summer 2020 Temporary Facility to meet high demands

### Funding

- Originally budgeted in 2019 & 2020, carry over as necessary

### Recommendations - Amendment

- Staff
- Castle Rock Water Commission October 28, 6-0

### Estimated Project Costs

Well drilling (2 wells)	Hydro Resources	\$ 2,931,416.00
Hydrogeological Professional Services	Leonard Rice Engineers	\$ 108,306.58
Pumping Equipment Installation	Hydro Resources	\$2,293,335.00
Facility Design Consultant	PSI	\$151,940
Facility Contractor	To be determined	\$1,100,000.00
ASR, Power Generation, Reporting and Oversight	Leonard Rice Engineers	\$35,000
	<b>TOTAL</b>	<b>\$6,619,998</b>

### Notification and Outreach Efforts

- Residential Postcards - completed
- Open House 2/20
- Project information on Crgov.com
- Additional outreach as necessary



# THANK YOU

## QUESTIONS

RECOMMENDED MOTION: I MOVE TO APPROVE RESOLUTION NO. 2020-114  
AS INTRODUCED BY TITLE.