

CASTLE ROCK WATER

# WELLS CR-232 AND CR-233 DRILLING PROJECT

DECEMBER 17, 2019



# WELLS CR-232 & CR-233 DRILLING

## BACKGROUND

- Located at Ray Waterman Water Treatment Plant (RWWTP)
- Anticipated production: 1.0 - 1.2 million gallons per day
- Two new wells one Arapahoe and one Denver
- Designed for Aquifer Storage and Recovery (ASR)
- Pilot ASR downhole power generation valve
- Provide raw water to RWWTP
- Meeting customers' water demands and future storage needs



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## DETAILS

- Hydro Resources selected through sole source
  - Limited available drilling contractors
  - High local demand for drilling projects
  - Compressed schedule
  - Partnering on piloting the new ASR power generation valve
- Hydro Resources provided pricing: \$2,931,416
  - Previous projects competitively bid
  - Line item increases due to ASR design elements and increase in depth costs



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## PROJECT SUMMARY

### Contractor

- Hydro Resources – Rocky Mountain, Inc.

### Schedule

- Operational Winter 2020
- Start in Early 2020
- Potential Temporary Facility to meet high demands

### Funding

- Originally budgeted in 2019

### Recommendations

- Staff

### Estimated Project Costs

Well drilling (2 wells)	Hydro Resources	\$ 2,931,416.00
Hydrogeological Professional Services	Leonard Rice Engineers	\$ 84,436.00
Pumping Equipment Installation	Hydro Resources	\$1,800,000.00
Facility Design Consultant	To be determined	\$172,000.00
Facility Contractor	To be determined	\$1,100,000.00
	<b>TOTAL</b>	<b>\$4,926,024.00</b>

### Notification and Outreach Efforts

- Residential Postcards
- Open House
- Project information on Crgov.com
- Additional outreach as necessary



# THANK YOU

## QUESTIONS

RECOMMENDED MOTION: I MOVE TO APPROVE RESOLUTION NO. 2019-130  
AS INTRODUCED BY TITLE.