

RESOLUTION: PLUM CREEK WATER PURIFICATION FACILITY EXPANSION DESIGN CONTRACT

APRIL 18, 2023



PCWPF EXPANSION DESIGN

BACKGROUND

- Burns & McDonnell design engineers for PCWPF completed in 2014 & Advance Treatment project in 2021
- CRW continues using & expanding renewable water sources
- Increase facility capacity from 6 MGD to 12 MGD
- Adding building additions with treatment systems & emergency electrical generator
- GMPCM project delivery



PCWPF EXPANSION DESIGN

KEY FEATURES

- Main project tasks:
 - Design expansion including pretreatment, membranes, & advanced treatment systems
 - GMPCM - Contractor on Team near 30 % design. Develop two work packages
 - Project permitting including Town & CDPHE
- Burns & McDonnell has a proven record



Ozone Contact Piping



GAC Vessels



UV system

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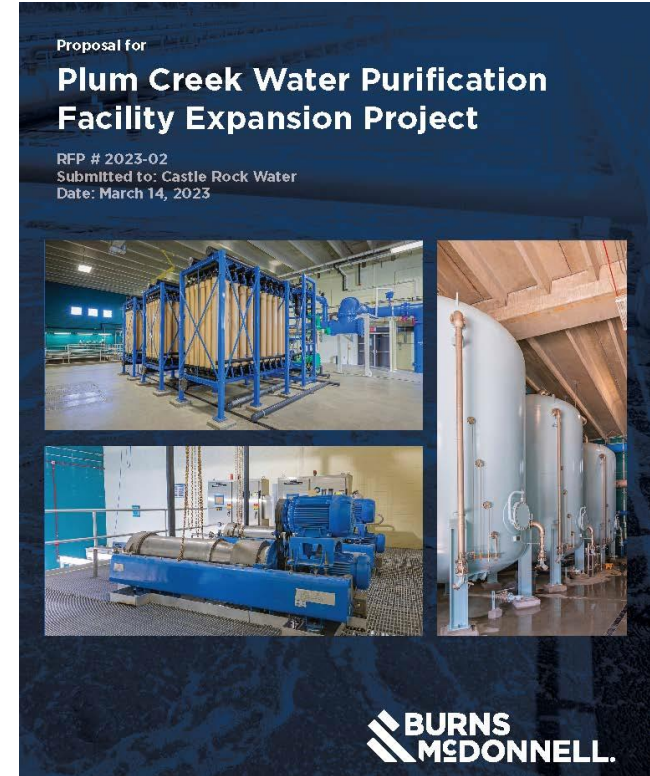
BUDGET & SCHEDULE

Budget

- RFP issued to five engineering firms (Feb. 2023)
- Received one proposal from Burns & McDonnell
- Cost within 2023 Town budget for project
- Total Design contract \$2,388,880 plus \$119,444 (5%) contingency

Schedule

- Design April 2023 – May 2024
- Issue RFP to contractors for preconstruction services beginning fall 2023
- Est. construction completion end of year 2026



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RECOMMENDATIONS

- Castle Rock Water Commission
- Staff
- Questions?



THANK YOU

PCWPF EXPANSION DESIGN

PROPOSED MOTION:

“I move to approve the Resolution 2023-____ as introduced by title.”

ALTERNATIVE MOTIONS:

“I move to approve the Resolution as introduced by title, with the following conditions: (list conditions).”

“I move to continue this item to the Town Council meeting on ____date to allow additional time to (list information needed).”