Contractor Fair: Upcoming Projects
## Construction Projects

### Transmission and Distribution/Pumping

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Description</th>
<th>Disciplines</th>
<th>Estimate</th>
<th>Timeline</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2020 Annual Waterline Replacement</strong></td>
<td>Replacement of 2 to 4 mile of Aurora 8” and 12” PVC pipeline</td>
<td>Disciplines:</td>
<td>$1,200,000 - $1,800,000</td>
<td>Q3 2020</td>
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<tr>
<td><strong>Strontia Tower Gates, Valves, and Tunnel Rehab</strong></td>
<td>Rehab of outlet tower equipment including electrical and control panel, gate actuator replacement, de-icing bubbler, jib crane, and railing</td>
<td>Disciplines: Electrical, mechanical, civil construction</td>
<td>$800,000 – $1,200,000</td>
<td>Q4 2020</td>
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<tr>
<td><strong>Gun Club Pump Station Improvements</strong></td>
<td>Rehab of pump station including drainage, asphalt, roof, mechanical, and many electrical improvements</td>
<td>Disciplines: Electrical, Asphalt, HVAC, Roofing, Mechanical, I&amp;C, Landscape</td>
<td>$3,600,000 – $4,400,000</td>
<td>Q1 2020</td>
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<tr>
<td><strong>Rampart Appurtenances Phase VI</strong></td>
<td>Replacement of butterfly valves, blow-off valves, and manway access improvements pre-qualifications in progress</td>
<td>Disciplines:</td>
<td>$3,600,000 – $4,400,000</td>
<td>Q4 2020</td>
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<tr>
<td><strong>Havana 30” Waterline Rehabilitation</strong></td>
<td>3200 LF pipeline PVC and sliplining– prime contractors already qualified: American West, BT Construction, Global Underground, KR Swerdfeger, T. Lowell – subcontracts available</td>
<td></td>
<td>$2,700,000 - $3,300,000</td>
<td>Q1/Q2 2020</td>
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<tr>
<td><strong>Gun Club 60” Waterline – 6th Ave to Colfax</strong></td>
<td>7,000 LF pipeline – prime contractors already qualified: Reynolds, Garney, T. Lowell, BT Construction – subcontracts available</td>
<td></td>
<td>$9,000,000</td>
<td>Q1 2020</td>
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56th Ave 24” Waterline – Picadilly to Harvest
Description: 11,000 LF pipeline – prime contractors already qualified: Reynolds, Garney, T. Lowell, BT Construction – subcontracts available
Estimate: $7,000,000     Timeline: Q1 2020

Gun Club 36” Waterline – 56th to 64th
Description: 19,000 LF pipeline – prime contractors already qualified: Reynolds, Garney, T. Lowell, BT Construction – subcontracts available
Estimate: $9,500,000     Timeline: Q1 2020

Other Commonly Recurring Annual Projects
PRV Rehab Replacement
Large Valve Rehab
Valve Vault Rehab

Raw Water Supply/Water Treatment

North Campus Well Field Electrical Phase II
Description: Removal, reconfiguration and reinstallaation of currently mixed low and medium voltage equipment into separate isolated enclosures (17 control cabinets)
Disciplines: Electrical
Estimate: $600,000 - $900,000

North Campus Horizontal Wells
Description: Meet city clean water needs using horizontal technologies for water collection
Disciplines: Waterline installation, pumps
Estimate: $4,800,000 - $7,200,000     Timeline: Q4 2020

Aurora Reservoir 72” Vault
Description: Replacement of existing butterfly valve with new vault structure construction. Pipe replacement and rehab existing valve vault
Disciplines: CIP concrete, mechanical, pipeline
Estimate: $1,800,000 - $2,200,000     Timeline: Q4 2020
Wemlinger Filter Media Rehabilitation
Description: Removal of 2 filter media and replace all filter valves and flow meters
Disciplines: Mechanical, media removal/disposal
Estimate: $650,000     Timeline: Q4 2019

Binney Ground Water Pump Station
Description: Installation of a groundwater pump station to lower site groundwater elevation due to failed underdrain system
Disciplines: Mechanical, electrical, civil, instrumentation
Estimate: $2,800,000 - $3,400,000   Timeline: Q4 2020

Griswold Air Scour Piping/Filter Media Replacement
Description: Modify and replace existing air scour piping. Filter media removal and filter inspection/repair
Disciplines: Mechanical, media removal/disposal
Estimate: $600,000 – 800,000   Timeline: Q4 2020

Griswold Finished Water Reservoir Rehab
Description: Misc repairs of existing roof, liner, stand pipes, and slide gates
Disciplines: Mechanical, concrete, building work
Estimate: $1,800,000 - $2,200,000   Timeline: Q4 2019

Griswold Raw Water Vault Phase II
Description: Construction of raw water vault
Disciplines: Mechanical, electrical, instrumentation, civil
Estimate: $10,000,000    Timeline: Q4 2019

Griswold Surge Tanks
Description: Zone 4 surge tanks in the lower level pump station
Disciplines: Mechanical and electrical/instrumentation
Estimate: $300,000 - $500,000     Timeline: Q3 2020
Wastewater and Stormwater

Other Commonly Recurring Annual Projects

- Miscellaneous Storm CMP Rehab
- Sewer CIPP Rehab
- Manhole Lining/Rehab
- Miscellaneous Interceptor Rehab

General

**Sand Creek Blowers**

Description: Replacement of blowers due age and condition
Disciplines: Mechanical and electrical/instrumentation
Estimate: $300,000 - $400,000   Timeline: Q2 2020

**Sand Creek Equipment Rehab**

Description: Rehabilitation of clarifier mechanisms and ancillary system equipment
Disciplines: Mechanical and electrical/instrumentation
Estimate: $300,000 - $400,000   Timeline: Q1 2020

**Sand Creek Ground Water Pump Station**

Description: Correct the site’s groundwater lowering due to unexpected increase in level
Disciplines: Mechanical, electrical and instrumentation, and civil
Estimate: $400,000 - $500,000   Timeline: Q1 2020

**Solar Panel Procurement and Install**

Description: Procure, install, and maintain 350 KW concrete tank mounted solar
Disciplines: Civil, Electrical, Specialized Solar
Estimate: $1,000,000   Timeline: Q3/Q4 2020
Design Projects

Transmission and Distribution/Pumping

**Eagle Bend Pump Station Improvements**
Description: Evaluation of station pumps, demand and pump sizing, and the conditions of the building systems
Timeline: Q1 2020

**Cathodic Protection Replacement**
Description: Install magnesium anodes and test stations at multiple locations

**Storage Tank – Zone 7**
Description: Design for sizing and civil works of a potable water storage tank

**Quincy Pump Station Improvements**
Description: Evaluation of station pumps, demand and pump sizing, and the conditions of the building systems
Timeline: Q1 2020

Raw Water Supply/Water Treatment

**North Campus Horizontal Wells**
Description: Meet city clean water needs using horizontal technologies for water collection
Disciplines: Waterline, Pump Design
Timeline: Q1 2020
Binney Ground Water Pump Station
Description: Design of a pump station to lower site groundwater elevation due to failed underdrain system
Disciplines: Mechanical, electrical, civil, instrumentation
Timeline: Q1 2020

Griswold Solids Handling System Improvements
Description: Design of new sand drying beds and backwash recovery system
Disciplines: Civil, Mechanical, Instrumentation, Electrical, Process, Structural
Timeline: Q1 2020

Griswold HVAC Improvements
Description: Design for HVAC system improvements based on 2019 study results
Disciplines: HVAC Electrical
Timeline: TBD

Everist Site Master Plan
Description: Study for the use and buildout of the Everist gravel pit to determine a detailed capital plan and schedule for improvements
Disciplines:
Timeline: Q1/Q2 2020

Stormwater

EC05 – Havana Park & Del Mar Parkway
Description: Pond construction along Del Mar Parkway will be built to increase storage volume and provide WQCV, the inlet will be improved, sediment will be removed from the 15-inch RCP/trickle channel, a maintenance path will be added, and general other improvements for the public interaction with the area will be performed.

WC16 – Dakota Ave Tributary Design
Description: Replace all elliptical pipe with box culverts along Moline St, Lansing St, and Expo Park.
General Management

SCADA Communications Tower
Description: Design of SCADA Backbone tower for coverage of south Aurora water infrastructure
Disciplines: Network, Electrical
Timeline: Q1 2020

Other Engineering Services

Integrated Water Master Plan
Description: Update previous master plans by reviewing assumptions and utilizing analytical tools. Develop an integrated CIP that ranks water projects and analyze multiple future scenarios to ensure a prepared utility.

Spinney Communications Study
Description: Evaluate options to improve communications at the Spinney Mountain Reservoir facility near Hartsel

GIS Data Cleanup and Support
Description: Assist in data integrity, naming convention, and GIS data cleanup for selection asset groups

Quincy Reservoir Study
Description: Evaluation of Quincy Reservoir to produce a long-term plan for the sit. Main focus will include water quality improvements and recreation functions.

Rocky Mountain E-Purchasing Site for Procurement Notification
https://www.bidnetdirect.com/colorado