

| 2018 Projects  | Expected Advertisement Date   | Construction Start Date | Duration (Months) | Estimated Budget (USD) | Restricted? |            |
|--|---|-------------------------|-------------------|------------------------|-------------|------------|
|  | Discipline  |                         |                   |                        | MWBE*       | %          |
|  | *Anticipated MWBE participation goal, these may be modified with the specific project advertisement<br>Project descriptions outline specifics and discipline details. Projects labeled "Restricted" require additional prequalification. See: <a href="http://www.denverwater.org/DoingBusinessWithUs/">http://www.denverwater.org/DoingBusinessWithUs/</a>   |                         |                   |                        |             |            |
| Conduit-16 West Segment  | 2/19/2018   | 4/16/2018               | 2                 | \$ 11,500,000          |             | N/A        |
|  | Civil Pipeline  |                         |                   |                        | MWBE        | 5%         |
|  | Approximately 9,330 feet of 84-Inch diameter steel pipeline from Highway 93 in Golden, Co to W. 60th Ave. in Arvada, CO   |                         |                   |                        |             |            |
| Meadow Creek System Improvements   | 4/11/2018   | 7/1/2018                | 4                 | \$ 350,000             |             | N/A        |
|  | Mechanical Civil  |                         |                   |                        | MWBE        | 3%         |
|  | This project involves the replacement of two 18-inch Parshall flumes and rehabilitation of a 6-foot Parshall flume. All are located near Fraser, Co. The project also includes installation of solar panel, battery power, and satellite communication equipment at each site to communicate the flow measurement values.   |                         |                   |                        |             |            |
| Conduit-16 Central Segment   | 5/1/2018  | 9/1/2018                | 22                | \$ 39,000,000          |             | N/A        |
|  | Civil Pipeline  |                         |                   |                        | MWBE        | 5%         |
|  | Approximately 14,850 feet of 84-Inch diameter steel pipeline from W. 60th Ave. in Arvada, CO (Van Bibber) to W. 44th Ave. and Flora St. in Wheat Ridge, CO  |                         |                   |                        |             |            |
| DIA Vault Program (2018)   | 5/1/2018  | 6/15/2018               | 5                 | \$ 1,000,000           |             | Restricted |
|  | Mechanical (Vaults)   |                         |                   |                        | MWBE        | 5%         |
|  | Replace access hatches, ladders, and add cathodic protection to eight (8) existing water distribution vaults at various locations throughout Denver international Airport.  |                         |                   |                        |             |            |
| Marston Plant Entrance and Security Improvements and 56th Ave Ps Landscape Renovations | 5/29/2018   | 7/9/2018                | 6                 | \$ 850,000             |             | Restricted |
|  | Civil / Building  |                         |                   |                        | MWBE        | 8%         |
|  | Project includes demolition of the existing entrance gates and guard building. Installation of a prefabricated guard building with electrical and HVAC systems. Concrete curb, gutter and asphalt access road improvements with the installation of new vertical pivot gates, ornamental and chain link fencing and landscaping.  |                         |                   |                        |             |            |
| Hazeltine Bank stabilization   | 6/1/2018  | 7/2/2018                | 3                 | \$ 500,000             |             | Restricted |
|  | Heavy Civil   |                         |                   |                        | MWBE        | 8%         |
|  | Stabilize the Hazeltine slurry wall repair buttress slopes to meet reservoir slopes criteria.   |                         |                   |                        |             |            |
| WISE DIA Connection  | 6/5/2018  | 7/11/2018               | 13                | \$ 1,086,000           |             | Restricted |
|  | Civil Pipeline  |                         |                   |                        | MWBE        | 3%         |
|  | About 31,000-feet of new pipeline, expected size is between 18- and 24-inch. Also includes a facility for pressure reduction, flow control, and backflow prevention.  |                         |                   |                        |             |            |
| Specialized Mains 2017/2018- Elati & Lee Gulch/ Jackson & Harvard Gulch                | 6/5/2018  | 8/15/2018               | 5                 | \$ 750,000             |             | N/A        |
|  | Civil Infrastructure / Pipelines  |                         |                   |                        | MWBE        | 8%         |
|  | Replace distribution mains at 2 stream crossings. Approximately 600 ft of 8-inch and 12-inch PVC water main, valves and appurtenances. Dewatering will be required at both sites.   |                         |                   |                        |             |            |
| Specialized Mains 2017/2018- A 52nd & Milwaukee  | 6/7/2018  | 7/9/2018                | 4                 | \$ 450,000             |             | N/A        |
|  | Civil Infrastructure / Pipelines  |                         |                   |                        | MWBE        | 3%         |
|  | This project consists of the trenchless installation of a 240 foot long, 22 inch steel casing under the Union Pacific Railroad tracks along the 52nd Avenue corridor between Fillmore and Milwaukee Streets in Denver, Colorado. Installation shall be by a guided auger bore method. Approximately 250 feet of 12-inch PVC carrier pipe and 100 feet of 12-inch ductile iron piping will be installed.   |                         |                   |                        |             |            |
| 2018 Rehab- Conduit and Main Replacement (Hampton Ave)                                 | 6/14/2018   | 8/1/2018                | 3                 | 2.5M                   |             | N/A        |
|  | Civil Infrastructure / Pipelines  |                         |                   |                        | MWBE        | 8%         |
|  | This pipe replacement project has two parts that compose this project. The first to raise (replace) Conduit 62 (20') from approximately S. Polar St. to S. Tamarac Drive on Hampden Avenue. The second is to replace the 16-inch and 18-inch mains on S. Tamarac Drive from Hampden Ave to Quincy Ave.  |                         |                   |                        |             |            |
| 2018 Aerial Crossing Replacements  | 6/28/2018   | 7/30/2018               | 9                 | \$ 750,000             |             | N/A        |
|  | Civil Infrastructure, Pipelines   |                         |                   |                        | MWBE        | 3%         |
|  | The aerial crossing program addresses condition issues for pipes that are installed on bridges as opposed to buried. Many of these installations have been identified as needing repairs or replacements due to current conditions. The program will address in situ coating and corrosion issues on a number of installations. A few aerial installations have been identified for full replacement either back on the bridge or buried nearby if that method is feasible. |                         |                   |                        |             |            |
| Marston Filter Plant 1&2 Hydronic System Repair/Replacement                            | 7/5/2018  | 8/24/2018               | 5                 | \$ 420,000             |             | Restricted |
|  | Water Treatment   |                         |                   |                        | MWBE        | 8%         |
|  | Relocating hydronic piping and control devices outside of the Filter Plants.  |                         |                   |                        |             |            |
| CIP - Conduit 10 Valve Improvements  | 7/12/2018   | 1/7/2019                | 2                 | \$ 800,000             |             | Restricted |
|  | Civil Pipeline  |                         |                   |                        | MWBE        | 5%         |
|  | Replace two existing 36-inch isolation valves with four new isolation valves (36-inch butterfly valves) on 54-inch Conduit No. 10. The project also includes about 4,600-feet of 12-inch temporary distribution main.   |                         |                   |                        |             |            |
| Foothills Hydro 10yr Maintenance   | 7/20/2018   | 9/28/2018               | 7                 | \$ 400,000             |             | Restricted |
|  | Mechanical Millwright   |                         |                   |                        | MWBE        | 0%         |
|  | Hydroelectric turbine work and component refurbishment and replacement.   |                         |                   |                        |             |            |
| Bellevue Pump Station Surge Tank Installation  | 7/24/2018   | 10/15/2018/             | 8                 | \$ 850,000             |             | N/A        |
|  | Mechanical / Pump Station   |                         |                   |                        | MWBE        | 8%         |
|  | The scope of this project is the supply and installation of a new 2827 cubic foot surge tank, 7.5 horsepower air compressor and surge tank instrumentation and controls.  |                         |                   |                        |             |            |

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| Recycling TP PON System and Valve Upgrades               | 8/15/2018   | 11/15/2018              | 5                 | \$ 107,000             | Restricted  |      |
|  | Mechanical  |                         |                   |                        | MWBE        | 5%   |
|  | Upgrades at the Denver Water Recycling Treatment Plant involves replacement of 3 nonionic polymer blending units and the associated control equipment. Additional work includes replacing, modifying, and upgrading various treatment related yard valves to automate operation when the plant is offline.  |                         |                   |                        |             |      |
| 2018/2019 Vault Mods                                     | 8/28/2018   | 10/1/2018               | 8                 | \$ 2,900,000           | Restricted  |      |
|  | Mechanical (Vaults)   |                         |                   |                        | MWBE        | 5%   |
|  | This projects consists of the replacement/relocation of 6 pressure regulating valve (PRV) manholes in the Denver Water system. A large vault with full environmental and SCADA controls will be installed at the corner of Hampden and Yosemite in Denver. Three vaults for manual PRV's will replace existing manholes at locations along South Clarkson Street between Sunset Lane and Littleton Boulevard in Greenwood Village. A manual PRV vault will be relocated out of a bus lane on Yale Avenue west of Federal Boulevard in Denver. Another manual PRV vault will be relocated out of the Raccoon Creek Golf Course and installed in an existing easement along Wadsworth Boulevard in Denver.  |                         |                   |                        |             |      |
| 64th Ave Pump Station Mods                               | 9/09/2018   | 11/9/2018               | 11                | \$ 2,500,000           | Restricted  |      |
|  | Mechanical / Electrical / Pump Station  |                         |                   |                        | MWBE        | 5%   |
|  | The 64th Ave PS Modifications project includes installation of a new high side pump along with all the associated components. The outdated electrical equipment within the pump station is also being upgraded to ensure proper operation and better maintenance. A few small ancillary modifications will be made to provide required upkeep of the facility.  |                         |                   |                        |             |      |
| Conduit Cathodic Protection Improvements                 | 9/11/2018   | 10/15/2018              | 6                 | \$ 600,000.00          | N/A         |      |
|  | Cathodic Protection / Pipelines   |                         |                   |                        | MWBE        | 3%   |
|  | Upgrade cathodic protection on seven large diameter steel pipelines including test stations, anodes, and electrical isolation   |                         |                   |                        |             |      |
| Strontia Springs Hydro- Elec & Controls Upgrade          | 9/13/2018   | 2/10/2022               | 29                | \$ 450,000             | Restricted  |      |
|  | Electrical  |                         |                   |                        | MWBE        | 0%   |
|  | The Strontia Springs Reservoir Hydroelectric and Controls Upgrade project includes a new hydro unit complete with generator and turbine, E&C (electrical, instrumentation & control) replacement and enhancements, new switchyard and utility intertie connection, new turbine inlet valve, new hydraulic power unit, penstock flowmeter, valve actuator replacements and other replacements and enhancements to ancillary systems.   |                         |                   |                        |             |      |
| Treatment Plant Chemical Systems Improvements            | 9/17/2018   | 11/14/2018              | 7                 | \$2M                   | Restricted  |      |
|  | Mechanical / Treatment  |                         |                   |                        | MWBE        | 3%   |
|  | <b>Foothills Chemical Feed Systems Project</b> - Increase in sodium hydroxide bulk storage. New sodium hydroxide chemical metering and dilution water system. New phosphoric acid storage and metering system with application points in the existing disinfection contact basin. Supporting electrical, instrumentation, and controls for the sodium hydroxide and phosphoric acid feed systems.<br><b>Marston Chemical Feed Systems Project</b> - New sodium hydroxide metering and dilution water system. New phosphoric acid bulk storage, metering, and application points at the disinfection contact basin. Supporting electrical, instrumentation, and controls for the sodium hydroxide and phosphoric acid feed systems.<br><b>Moffat Chemical Feed Systems Project</b> - New phosphoric acid bulk storage, metering, and application points at the disinfection contact basin. Supporting electrical, instrumentation, and controls for the phosphoric acid feed system. |                         |                   |                        |             |      |
| Roberts Tunnel EI&C Upgrades & 2nd Hydro Unit            | 9/18/2018   | 10/25/2019              | 12                | \$ 7,800,000           | Restricted  |      |
|  | Electrical  |                         |                   |                        | MWBE        | 3%   |
|  | The Roberts Tunnel East Portal Hydro Upgrades project includes hydro unit (turbine & generator) refurbishment, turbine runner replacement, E&C (electrical, instrumentation & control) replacement and enhancements, new switchyard and IREA interconnection, new penstock flowmeter, rockfall mitigation, new coating on penstock, draft tube and baffles, three new electric valve/gate actuators, replacements and enhancements to ancillary systems.  |                         |                   |                        |             |      |
| Strontia Springs - Replace Seats on Intake Tower Gate #3 | 10/29/2018  | 1/7/2019                | 7                 | \$1M                   | Restricted  |      |
|  | Mechanical- Heavy Civil   |                         |                   |                        | MWBE        | 3%   |
|  | Removal, refurbishment and reinstallation of a segmented 7.5 foot by 15 foot vertical slide gate. This project also involves replacing the gate hoisting chain and refurbishing the gate hoist assembly.  |                         |                   |                        |             |      |
| Winter Park - Siphon No. 1 River Crossing                | 11/14/2018  | 5/15/2019               | 5                 | TBD - up to \$3M       | N/A         |      |
|  | Civil Infrastructure, Pipeline, Heavy Civil   |                         |                   |                        | MWBE        | 3%   |
|  | The Siphon 1/Phase 3 project will involve a crossing of the Fraser River installing 350 feet of 72-inch diameter steel pipe.  |                         |                   |                        |             |      |
| C-16 East Segment  | 1/21/2019   | 1/31/2019               | 10                | \$ 15,000,000          | Restricted  |      |
|  |   |                         |                   |                        | MWBE        | 5%   |
|  | Approximately 7,000 feet of 84-inch diameter steel pipeline from Applewood Shopping Center at W. 32nd Ave. in Wheat Ridge, CO to the Moffat Treatment Plant in Lakewood, CO   |                         |                   |                        |             |      |
| Marston Pump Station Electrical & Mechanical Upgrades    | 4/2/2019  | 10/3/2019               | 26                | \$ 196,000             | Restricted  |      |
|  | Electrical / Mechanical / Pump Station  |                         |                   |                        | MWBE        | 0%   |
|  | Upgrades and refurbishment of the pump station mechanical and electrical equipment such as pump, motors, motor controllers, switchgear, transformers, instrumentation and controls, hydraulic system components and HVAC. This project also involves structural replacements and modifications to items such as stairs, walkways and buried vaults and includes landscape restoration around the exterior of the pump station.  |                         |                   |                        |             |      |
| Northwater Treatment Plant CMAR Work Packages            | 2018  | 7/10/2018               | 50                | \$ 400,000,000         | Restricted  |      |
|  | All Diciplines  |                         |                   |                        | MWBE        | 4.5% |
|  | This project is the new Water Treatment Facility to be constructed at Denver Water's Ralston Reservoir site. This \$400M project is currently in design. The CMAR (Kiewit) will be bidding out over 12 different work packages beginning in early 2018 and extending into 2023.   |                         |                   |                        |             |      |
| DIA - Improvements By Developers                         | On-Going  | On-Going                | 12                | \$0 by Denver Water    | N/A         |      |
|  | Civil Infrastructure, Pipeline  |                         |                   |                        | MWBE        | 0%   |
|  | Projects are done on an ad hoc basis as DIA requires additions or modifications to the water distribution system. Design and inspection is by Denver Water, contract administration is by DIA or private parties. Scope typically includes connection to existing water distribution system, extension of water mains sized from 4" to 20", domestic and fire suppression service lines, and fire hydrant branches. Potable water mains at DIA are welded steel pipe in all sizes. Interested contractors will find more detailed projects and bid procedures through area developers.  |                         |                   |                        |             |      |