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1.0 Introduction

The purpose of this annual report is to provide a summary of activities conducted by the City of Colorado Springs (City) Water Resources Engineering Division during the 2016 calendar year. These activities include stormwater-related capital projects, drainage-related operations and maintenance duties, MS4 Permit compliance activities, and implementation of programs aimed toward the protection of waterways adjacent to both City and Colorado Springs Utilities infrastructure. This report is in addition to reports submitted to Pueblo County associated with the stormwater-related Intergovernmental Agreement (IGA) entered into by the City, Colorado Springs Utilities (Utilities), and Pueblo County on April 27, 2016. The IGA commits the City and Utilities to invest $460 million dollars over the next two decades on stormwater management and control activities, including a commitment to construct certain identified capital projects.

In 2016, the City of Colorado Springs Water Resources Engineering Division began an extensive and significant reorganization, as described below. As part of the reorganization efforts, the former Stormwater Division was renamed as the Water Resources Engineering Division to more accurately reflect the division’s role and purpose.

The Division has long represented the City’s team dedicated to managing the City’s storm drainage infrastructure such as channels, culverts, creeks and waterways to convey water, mitigate runoff and flooding, and preserve water quality to comply with federal clean water regulations. Stormwater infrastructure projects and programs remain a significant part of the Water Resources Engineering Division to control flooding and comply with federal clean water regulations.

In recent years, more comprehensive watershed approaches have been replacing the traditional stormwater management practices. The focus of stormwater infrastructure has transformed from building concrete culverts and underground storm drains to creating more naturalistic channels that convey water, but also has become a valuable natural resource, which people can enjoy through the incorporation of trails or other amenities.

“Ultimately, the purpose of Water Resources Engineering is for achievement and protection of clean waterways. Because the majority of stormwater (precipitation or snow melt) eventually makes its way into our waterways and to downstream communities, managing our water resources at the source with a comprehensive approach, including the planning and management of constructed facilities, implementation of MS4 Permit mandated programs, community education, and the adopt-a-waterway program, is key to maintaining clean waterways for our community and our downstream neighbors.”

- Richard Mulledy, Water Resources Engineering Division Manager
2.0 Background

The City of Colorado Springs is located in El Paso County and within the Fountain Creek watershed. The boundaries of the City covers 195 square miles, making Colorado Springs the largest municipality in Colorado by area. With this extensive area, and the significant elevation, geological, and geomorphological changes found therein, comes a significant stormwater challenge as the City oversees runoff from 32 different subwatersheds.

Municipal Separate Storm Sewer System Discharge Permit (MS4 Permit)
The City was first issued an MS4 Permit from the Colorado Department of Public Health and Environment (CDPHE) on October 12, 1997. Since the issuance of the initial permit, several permit renewals have followed. The MS4 Permit seeks to regulate the discharge of stormwater runoff from City infrastructure to state and federal waterways. The permit requires the City to develop and implement a wide-range of stormwater management programs to control and limit pollutants in stormwater runoff, including:

- Commercial/Residential Management Program
- Illicit Discharges Management Program
- Industrial Facilities Program
- Construction Site Program
- Pollution Prevention/Good Housekeeping for Municipal Operations Program
- Public Outreach Program (with above programs)

The most recent City MS4 Permit was issued in September 2011 and is currently in administrative extension status.

In 2014, both City Drainage Criteria Manuals Volumes I and II (DCM) were updated and serve as the current criteria and guide for development and drainage improvements.

City Water Resources Engineering Division Reorganization
In 2016, the City created a separate dedicated Water Resources Engineering Division within the City’s Public Works Department to manage the MS4 Permit programs, related permit obligations, maintenance of the City’s stormwater infrastructure, and delivery of stormwater related capital improvement projects. As part of this effort, City staff dedicated to water resources related work, as expressed in full time equivalents (FTEs), increased from 28 FTEs present at the end of 2015 to 52.25 FTEs at the end of 2016, and are planned to increase further to a total of 66.25 FTEs by the end of 2017. Most significantly, included in the additional staff is the new Water Resources Engineering Division Manager, three senior program leaders, and increased numbers of dedicated erosion control inspectors, maintenance and operations.
personnel, and water resources engineers. Some positions have been filled by re-purposing current staff, while most continue to be new hires. The organizational chart below describes the location of the new Water Resources Engineering Division within the Public Works Department.

The overall Water Resources Engineering Division Program consists of three primary functions:

- Operation and Maintenance (O&M) of current drainage and water quality infrastructure;
- Engineering and construction of new stormwater capital projects to address flooding, erosion, and water quality concerns;
- And Management of activities required by the MS4 Permit programs.

Until late in 2015 these three functions were performed by three separate groups within the City Public Works Department. Drainage O&M was performed by the Streets Division; stormwater capital projects were delivered by the Engineering Division’s Capital Improvement Program; and MS4 Permit Program activities were managed by several individuals in City Engineering. The breakdown of the 28 FTE stormwater-related staff in 2015 consisted of:

- 5 full time Stormwater positions (1 Senior Civil Engineer, 1 Stormwater Quality Coordinator, 1 Lead Inspector, 1 Senior Engineer, 1 Field Operator)
- 0.25 FTE within Asset Management (drainage facility asset management database)
- 3.5 FTE within Engineering and Development Review (development reviews and building site inspections)
- 18.5 FTE within Operations and Maintenance (drainage facility inspection and maintenance)
- 0.1 FTE Public Communications Department (public outreach support)

The City’s new Water Resources Engineering Division consolidates most of the core functions for MS4 Permit compliance. The previous City Streets Division has been renamed the Operation and Maintenance Division to more accurately reflect the division’s function and a Drainage Infrastructure Maintenance Group has been created within that division. Although all stormwater infrastructure maintenance is performed by the Drainage Infrastructure Maintenance Group, the planning and tracking of stormwater infrastructure related maintenance activities are coordinated through the Water Resources Divisions Stormwater Projects Delivery Program.
Delivery of large stormwater capital projects will continue to be the responsibility of the City Engineering Division’s Capital Improvement Program (CIP), although a Stormwater Capital Projects Program has been created for capital projects delivery within the CIP Program and all stormwater projects are coordinated through the Water Resources Engineering Division’s Stormwater Projects Delivery Program. The breakdown of the current 52.25 FTE staff in the Water Resources Engineering Division consists of:

- 20 full time positions within the MS4 Permit Compliance Group:
  - Water Quality Program
  - Stormwater Projects Delivery Program
  - Development and Erosion Control/Development Review Program
- 31 FTEs within Drainage Operations & Maintenance Program
- 1 FTE within Stormwater Capital Improvement Projects Program
- 0.25 FTE within Communication Department

The organizational chart below illustrates the Water Resources Engineering Division and coordination with other divisions within Public Works.

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**Figure 3: Water Resources Division Organizational Chart**
3.0 MS4 Permit Compliance Program Group

As described in the table above, the MS4 Permit compliance activities under the Water Resources Engineering Division have been reorganized under three programs.

Water Quality Program

- The core functions of the Water Quality Program include: MS4 Permit compliance tracking and reporting; illicit discharge tracking and response; public outreach; construction site erosion control inspections; private BMP inspection and tracking; management of the industrial facilities management program; management of the municipal facilities runoff control program (MFRCP); and wet and dry weather water quality monitoring.

Development and Erosion Control/Development Review Program

- The core functions of the Development and Erosion Control/Development Review Program include: review of drainage reports, grading and erosion control plans, permanent BMP design calculations, drainage related design plans, and other drainage and erosion related reports and plans; review of drainage basin planning studies (DBPSs) and master drainage development plans (MDDPs); City DCM management, revisions, and clarifications; and technical engineering assistance.

Stormwater Projects Delivery Program

- The core functions of the Stormwater Projects Delivery Program include: small projects delivery (under approximately $200,000); coordination with the Drainage Operations & Maintenance Program; coordination with Stormwater Capital Improvements Projects Program Team; development and management of stormwater project planning, including: DPBSs, infrastructure master plans, maintenance master planning, open channel inspection, and maintenance planning; management of project delivery for smaller emergency projects ($1.5 Million/year); and coordination of grant projects (FEMA, EWP, NRCS, etc.)

The following sections provide a summary of activities performed by each of the MS4 Permit Compliance Program groups in 2016.
Water Quality Program Activities

A dedicated Water Quality Program was formed and staffed as part of the Water Resources Engineering Division reorganization in 2016. The Water Quality Program is comprised of the following team members:

- Water Quality Program Manager
- MS4 Permit Coordinator
- Engineering Supervision (Erosion Control Inspection)
- Five (5) Erosion Control Construction Inspectors
- Stormwater Specialist (Public Outreach and Education)
- Engineering Tech III (Permanent BMPs)
- Engineering Tech II (GIS)
- Engineering Tech II

**MS4 Permit Compliance Tracking and Reporting**

Annual reporting related to the City’s MS4 Permit is required to be submitted in April of each year. The report is created from data and tracking of that data throughout the year. A copy of the 2016 annual report was submitted to the CDPHE on April 1, 2016.

**Illicit Discharge Tracking and Response**

Per Code of Federal Regulations (CFR), Title 40 (Protection of Environment), Section 122.26 (Stormwater Discharges), Paragraph (b)(2), an illicit discharge is defined as, “any discharge to a municipal separate storm sewer that is not composed entirely of stormwater except discharges pursuant to a NPDES permit (other than the NPDES permit for discharges from the municipal separate storm sewer) and discharges resulting from firefighting activities”.

Illicit discharges can often pose problems because, unlike wastewater which flows to a wastewater treatment plant, stormwater generally flows directly to waterways. Illicit discharges often include pathogens, nutrients, surfactants, and various toxic pollutants.

In 2016, City illicit discharge response teams responded to 64 illicit discharge calls.

**Public Outreach Activities**

The City’s MS4 Permit requires public education and outreach activities related to the following:

- Educational activities to promote public reporting of illicit discharges and improper disposal activities conducted during the reporting period included:
  - Illicit Discharge Detection:
    - Materials distributed: 107 various brochures, depending on the spill type
    - Training: Approximately 260 City employees went through the Illicit Discharge Detection and Elimination (IDDE) training
Public education activities to promote proper management and disposal of potential pollutants conducted during the reporting period included:
  o Presentations provided (i.e., schools, community events): 102
    ▪ Number of students and citizens reached (i.e., schools, community events): 3,429
    ▪ Regional Stormwater Advertising Campaign reaching multiple counties and jurisdictions
      (i.e., pet waste, used oil, and illicit discharge related advertising on billboards and other signs)
  o Educational materials distributed:
    ▪ Brochures: 5,875
      (i.e., schools, auto body and repair shops, oil recycling facilities, carwash locations, carpet cleaners, concrete contractors, landscaping companies, veterinarians, pet grooming facilities)
    ▪ School Items: 11,625
      (i.e., droplet figurines, pencils, magnets, activity guides and crayons, tattoos, post cards, bracelets)

Household chemical waste collection program education and outreach activities during the reporting period included:
  o The City continued to participate in the El Paso County Household Hazardous Waste Collection Program in a continued commitment to make reasonably available to residents the means to recycle or properly dispose of the more common household chemical wastes.
  o Distributed over 750 brochures related to the participation in the El Paso County Household Hazardous Waste Collection Program to local oil recycling facilities.

Industrial facilities program education and outreach activities during the reporting period included:
  o Distribution of over 4,000 brochures promoting proper management of industrial sites regarding stormwater quality and industrial best management practices to local auto body and repair facilities, oil recycling facilities, carwash locations, carpet cleaning operations, and concrete contractors.

Training and education for construction site operators during the reporting period included:
  o The City hosted classes for the construction program and construction-related community in the spring, summer, and fall of 2016. The classes included: Stormwater Management and Erosion Control During Construction (GEC), Developing and Implementing Stormwater Management Plans (SWMP), and Conducting Stormwater Compliance Inspections Training.
  o The City conducted in-house staff training including a Grading and Erosion Control Program Workshop and a Construction BMP Workshop Meeting.
  o The City participated in “Wet Wednesdays” stakeholder meetings held at the area Home Builder’s Association (HBA) offices. The City prepared a number
of stormwater related presentations at these meetings detailed for the construction industry in the City and El Paso County.

**Construction Site Erosion Control Inspections**
In 2016, five full-time erosion control site inspectors were dedicated to the MS4 Program, including two existing construction project inspectors and three new hires. The dedicated team was formed to perform specific erosion control and stormwater-related inspections. During the 2016 reporting year, the City’s MS4 Program construction inspection team completed the following:

- Total of inspections: 5,319
- Active construction sites through the year: 322
- Initial Inspections: 67
- Final Inspections: 79
- Routine Inspections: 3,878
- Complaint Inspections: 3
- Follow-up Inspections, reconnaissance/indicator, storm event inspections: 970

**Construction Site Enforcement:**
- Notice and order: 0
- Letter of Non-compliance: 11
- Stop Work Orders: 2

**Private BMP Inspection and Tracking**
City inspectors conduct inspections at various points of construction projects for conformance with construction specifications and compliance with MS4 related stormwater regulations. Additionally, the City completes required annual inspections of existing private permanent BMPs in accordance with issued private maintenance agreements. The constructed permanent private BMPs (i.e., extended detention basins, porous landscape detention basins) are tracked in a database maintained by the City to ensure private BMPs are inspected and maintained appropriately.

In 2016, City inspectors conducted over 282 private BMP inspections.

**Industrial Facilities Management Program**
The goal of the Industrial Facilities Program is to reduce, to the maximum extent practicable, pollutants from entering the municipal separate storm sewer system from industries.

The Industrial Facilities Program requires the City to provide educational material that can assist the industrial facility in complying with water quality regulations. The City must use the Illicit Discharges Program code and enforcement procedures to address discharges from industrial facilities.

**Municipal Facilities Runoff Control Program (MFRCP)**
The MFRCP program is administered by the City’s MS4 Permit Coordinator along with various representatives from the City vehicle maintenance group (SERCO), City Public Works Operations and Maintenance Division, City Parks and Recreation Department, City Fire Department and the City Police Department. There are currently 42 MFRCP sites within the
City’s MS4 Permit jurisdiction. Each year site plans for each MFRCP site are updated, inspections of the facilities are conducted, and MFRCP related training is administered.

**Wet and Dry Weather Water Quality Monitoring**
The Wet Weather Monitoring report is an additional requirement of the City’s MS4 Permit that is required to be submitted in June of each year. The majority of this data comes from monitoring and testing conducted throughout the City by the United States Geological Survey (USGS) under a joint funding agreement with USGS and Utilities.

**E. Coli TMDL**
In 2016, the City joined other area governmental agencies to create a Regional Watershed Plan to address E. coli in preparation of the anticipated implementation of a Total Maximum Daily Load (TMDL) standard for E. coli in 2019 by the CDPHE. As part of EPA’s new national vision for the Clean Water Act (CWA) 303(d) program (Impaired Water Listing and TMDL Program), States are required to identify priority areas for TMDL development through 2022. The purpose of the regional watershed planning group efforts are to preemptively prepare a plan in preparation for this anticipated 2019 requirement. To date, the City has dedicated $25,000 to the Arkansas and Fountain Coalition for Urban River Evaluation (AF CURE) for these efforts.

**Development and Erosion Control/Development Review Program Activities**

A dedicated Development and Erosion Control/Development Review Program was formed and staffed in 2016 to review development and construction-related submittals for compliance with both the City’s MS4 Permit and the City’s Drainage Criteria Manual (DCM) requirements. The Development and Erosion Control/Development Review Program is comprised of the following team members:

- Program Manager
- Senior Civil Engineer
- Three (3) Development and Erosion Control Review Engineers

In 2016, the Development Erosion Control/Development Review team completed reviews of over 3,000 drainage related development submittals with a 90% on time completion rate, and completed internal training on the following topics:

- Overall DCM & MS4 Permit requirements
- DCM Four-Step Process to Minimize Adverse Impacts of Urbanization
- Permanent Best Management Practices (BMP) Design Review
- Definitions and Criteria of Development and Redevelopment
- City of Colorado Springs Document Management System
- Development and Erosion Control/Development Review Philosophy
- Development and Erosion Control/Development Review Techniques
- Construction BMP Review
- Rudimentary Channel Hydraulics
Stormwater Projects Delivery Program Activities

A dedicated Stormwater Projects Delivery Program was formed and staffed in 2016 to scope, manage, and deliver small (generally less than $200,000) drainage related projects. The Stormwater Projects Delivery Program is comprised of the following team members:

- Program Manager
- Stormwater Projects Coordinator
- Stormwater Construction Manager
- Civil Engineering II
- Dedicated Stormwater Capital Project Inspector

The following provides a highlight of several projects managed by the Stormwater Projects Delivery team in 2016. A total of 56 projects were initiated or completed during 2016. (A complete list of projects can be found in the 2016 Stormwater Control Program Intergovernmental Agency (IGA) Annual Report of Expenditures.)

FEMA/GRANT PROJECTS (IGA Project #0)
Projects arising from the 2013 and 2015 flooding

Bear Creek
Location: Walmart at 8th St.

Description: Construction of a grouted sloping boulder (GSB) drop structure to replace an existing damaged drop structure due to flooding during FEMA declared disaster DR-4229. The former drop structure was undermined and broken as a result of the flood event. Replacement with an improved drop structure and channel lining in project area controls channel flows and provided revegetation to further protect channel bank slopes.

Engineer/Contractor: Matrix/Wildcat Construction
Status: 100% Complete
FEMA/GRANT PROJECTS (IGA Project #0) - Continued
Projects arising from the 2013 and 2015 flooding

31st Street Channel
Location: 31st Street at Westmoor Drive

Description: Storm damage caused undermining underneath and behind several concrete armoring panels in the channel between opposing lanes of traffic on 31st Street. Work to be accomplished: repair trapezoidal channel section including side slopes and bottom in order to reduce the possibility of undermining or erosion in a future event.

Engineer/Contractor: PRC Engineering/Tasmarr
Status: Engineering 100% Complete, Construction 75% Complete

Camp Creek Channel Stabilization (2015)
Location: Garden of the Gods and Rock Ledge Ranch

Description: The Camp Creek natural channel through this area was heavily eroded due to post wildfire flooding from the Waldo Canyon Fire. This project provides natural channel stabilization through the Garden of the Gods and Rock Ledge Ranch.

Engineer/Contractor: Wilson and Company/Beers and Brock
Status: 100% Complete
FEMA/GRANT PROJECTS (IGA Project #0) - Continued
Projects arising from the 2013 and 2015 flooding

**Autism Center Channel Stabilization (2015)**
Location: Upstream of 2760 Fieldstone Road

Description: The South Douglas Creek natural channel through this area was heavily eroded due to post wildfire flooding from the Waldo Canyon fire, bringing heavy debris that clogged a detention pond and subsequently caused severe downstream neighborhood flooding, especially in August 2015. This project provides an improved grate system for the detention pond outlet structure to prevent future clogging of the drainage system.

Engineer/Contractor: HDR Engineering/BMH Development
Status: Construction 95% Complete

**Heatherdale CMP**
Location: Rock Island Trail from about 2150 to 2230 Heatherdale Drive

Description: An 84” CMP failed adjacent to the trail causing a large sinkhole and flooding of residences. The damaged sections of the CMP were replaced and the invert of the remainder of the CMP was lined with concrete. Sections of failed concrete trapezoidal channel were also repair just downstream of the pipeline outfall.

Contractor: DRX
Status: 100% Complete
EMERGENCY STORMWATER PROJECTS (IGA Project #1)
Projects arising from 2016 prioritized community and local needs

**Cheyenne Rd and Fenmoor**
Location: North Side of Cheyenne Road at Fenmoor Place

Description: Stormwater pools at northwest corner of Cheyenne and Fenmoor. A crosspan was installed along the north side of Cheyenne to pass flows to the east curb line of Fenmoor.

Contractor: Jerry Johnson
Status: 100% Complete

**Ranch Circle**
Location: 4423 to 4427 Ranch Circle

Description: Bubbler that directs flow under cul-de-sac failed. Bubbler was removed and a concrete swale was installed to direct flows above ground into storm system to the west. Curb and gutter and drive pans in cul-de-sac were removed and replaced to improve drainage and direct flows into new swale.

Contractor: DRX
Status: 100% Complete
EMERGENCY STORMWATER PROJECTS (IGA Project #1) - Continued
Projects arising from 2016 prioritized community and local needs

**Shadowglen Drive**
Location: 4765 to 4769 Shadowglen Drive

Description: Bubbler that directs flow under cul-de-sac failed. Bubbler was removed and a concrete swale was installed to direct flows above ground into storm system to the west. Curb and gutter and drive pans in cul-de-sac were removed and replaced to improve drainage and direct flows into new swale.

Contractor: DRX
Status: 100% Complete

**Flying W Ranch / Stoneridge**
Location: East side of Flying W Ranch Road at Stoneridge Drive

Description: Post Waldo Canyon Fire stormwater flows ran down Stoneridge and overwhelmed the storm system in Flying W Ranch spilling over the curb into the residential area to the east. An earthen berm was built along Flying W Ranch to capture the flows and direct them into the concrete channel to the south via a new inlet structure.

Contractor: DRX
Status: 100% Complete
EMERGENCY STORMWATER PROJECTS (IGA Project #1) - Continued
Projects arising from 2016 prioritized community and local needs

Cheyenne Road at Manor
Location: South side of West Cheyenne Road at Manor Lane

Description: Stormwater flows along the south side of Cheyenne Road were eroding the asphalt entrance of Manor Lane. A new concrete crossspan was installed to direct flows to the east along Cheyenne Road.

Contractor: Jerry Johnson
Status: 100% Complete

336 Cheyenne Road
Location: 336 Cheyenne Road

Description: Debris was washing onto Fenmoor Place from private residence on the east side. New curb and gutter and driveway apron where installed to match along property.

Contractor: Jerry Johnson
Status: 100% Complete
EMERGENCY STORMWATER PROJECTS (IGA Project #1) - Continued
Projects arising from 2016 prioritized community and local needs

**4964-4970 Bluestem Drive**
Location: Cul-de-sac at 4964-4970 Bluestem Drive

Description: Stormwater sheet flows into cul-de-sac and entered lower driveways flooding residences. Removed and replaced curbs, sidewalks and driveway pans around cul-de-sac to direct water to concrete channel at low point and prevent water from entering driveways.

Contractor: Jerry Johnson  
Status: 100% Complete

**Paseo and Lees**
Location: North side of Paseo Road at Lees Lane

Description: Stormwater flows down Paseo from the east were not being captured by storm system along north side of Paseo. A new inlet with overflow chase directing flows into adjacent concrete channel was installed as well as new concrete swales and another concrete chase upstream.

Contractor: DRX  
Status: 100% Complete
EMERGENCY STORMWATER PROJECTS (IGA Project #1) - Continued

Projects arising from 2016 prioritized community and local needs

La Salle Channel Grate
Location: Between Constitution Ave and La Salle Street at Howard Ave

Description: The size and velocity of debris in the Concrete channel overwhelmed the newly installed grate. A new grate engineered to handle the larger debris was installed as a replacement for the failed grate.

Contractor: Peak Custom Fabricators
Status: 100% Complete

1313 E. Monroe Street
Location: 1313 E. Monroe Street

Description: Stormwater overwhelmed the driveway pan flooding the residence. The driveway pan and adjacent sidewalk was removed, regraded and replaced to contain the flows in the street storm system.

Contractor: Jerry Johnson
Status: 100% Complete
EMERGENCY STORMWATER PROJECTS (IGA Project #1) - Continued
Projects arising from 2016 prioritized community and local needs

1307 E. Monroe Street
Location: 1313 E. Monroe Street

Description: Stormwater overwhelmed the driveway pan flooding the residence. The driveway pan and adjacent sidewalk was removed, regraded and replaced to contain the flows in the storm system.

Contractor: Jerry Johnson
Status: 100% Complete

Chapel Hills Drainage
Location: Northwest corner of Chapel Hills Drive and Mulligan Drive

Description: Groundwater seeping from the hillside west of Chapel Hills was flowing over the sidewalk causing hazardous conditions. An underdrain was placed behind the sidewalk and tied into the adjacent inlet to capture flows before daylighting.

Contractor: DRX
Status: Construction 50% Complete
DAM IMPROVEMENTS/ MAINTENANCE PROJECTS
Projects arising from 2015 dam inspections

Quail Lake Dam
Location: East Cheyenne Mountain Blvd. and Quail Lake Road

Description: Seepage was identified along the southern toe of the dam near the outlet structure. A new weighted filter buttress will be designed and constructed to slow down flows from the seepage and provide a better monitoring point.

Engineer/Contractor: JDS-Hydro/TBD
Status: 10% Complete

ENGINEERING STUDIES

10% Conceptual Design
Location: Various locations around the City

Description: This project is looking at several of the planned IGA projects over the next 3 years (2017-2019). The planned projects will be designed to a 10% level and a cost estimate developed to better scope and budget the projects.

Engineer: CH2M
Status: Engineering 60% Complete

Cottonwood Creek DBPS
Location: Cottonwood Creek Drainage Basin (northeast section of the City)

Description: The Cottonwood Creek DBPS has started to be revised several times over the past few years. The revision in the past was never completed and finalized. This project will reassess the previous revision and update as needed. Many of the 17/18 IGA projects are in this basin and will need this updated information before being engineered.

Engineer: Matrix
Status: Engineering 10% Complete
ENGINEERING STUDIES – Continued

**Falcon Estates Drainage**  
Location: The lower Falcon Estates Neighborhood between I-25 and Academy Boulevard (north of Woodmen Road)

Description: The neighborhood was developed as a county development and was later annexed into the City. The neighborhood is more rural with paved roads and roadside ditches. Areas of the neighborhood are prone to flooding during rainstorms. The assessment will not produce a shovel ready project, but rather identify the needs for future improvements and possible maintenance needs to assist in alleviating the flooding issues.

Engineer: CH2M  
Status: Engineering 50% Complete

**Rustic Hills MDBPS**  
Location: Rustic Hills Subdivisions #1 and #2

Description: The purpose of the study is to perform a comprehensive analysis and assessment of the area with respect to hydrology and channel hydraulics in order to provide recommendations for improvements to roadway cross sections, overall area drainage design and multi-use trails in accordance with current Low Impact Development (LID) practices and the City of Colorado Springs Drainage Criteria Manual.

Engineer: Wilson & Company  
Status: Scoping

**Stormwater Infrastructure Master Plan (SIMP)**  
Location: City Wide

Description: The purpose of the SIMP is to collect, standardize, and integrate information on stormwater capital and operations and maintenance (O&M) projects needed to address current and future stormwater conditions in the City.

Engineer: TBD  
Status: Contracting
4.0 Stormwater Capital Improvements Projects Program

Larger stormwater capital projects (typically greater than $200,000 in size) under the Water Resources Engineering Division are coordinated by the Stormwater Projects Delivery group and delivered by the Stormwater Capital Improvement Projects Program team embedded within the City’s Engineering Division’s Capital Improvement Program (CIP).

**Stormwater Capital Improvement Projects Program**

- The core functions of the Stormwater Capital Improvement Projects Program include: large capital projects delivery (over $200,000); coordination with Stormwater Projects Delivery Group; coordination assistance with larger grant projects (FEMA, EWP, NRCS, etc.).

**Stormwater Capital Improvement Projects Activities**

The City’s dedicated Stormwater Capital Improvement Program consists of the staff and project control systems to manage the planning, engineering, and construction of large stormwater infrastructure projects.

The Stormwater Projects Delivery Program is comprised of the following team members:

- Senior Civil Engineer/Project Manager
- Two (2) Civil Engineer II Project Engineers

The stormwater-related IGA with Pueblo County calls out specific projects to be completed over the next 20 years (2016-2035). This list is referred to as the Capital Improvements Project List (CIP List) within the IGA. The projects in the CIP List are delivered through the City’s CIP Program, with coordination provided by the Stormwater Projects Delivery Program team. The City has worked closely with Wright Water Engineers (WWE), representing Pueblo County, in prioritizing a significant portion of the CIP List. Over 70 projects were considered in detail by City representatives in collaboration with WWE, with 9 projects included in the 2016 Stormwater Capital Improvements Project List, 25 projects included in the 5-year CIP List (2016-2020), 37 projects included in the 10-year CIP List (2016-2025), and a total of 71 projects included in the overall 20-year CIP List (2016-2035). The 37 projects included in the first 10-year CIP List include similar numbers of channel improvement, detention basin, and channel grade control projects, but channel improvement projects involve the largest capital investment as represented in the graphic below.
The following provides a summary of stormwater-related projects managed by the Stormwater Capital Improvement Projects Program team in 2016:

**SAND CREEK DETENTION POND 3 (IGA PROJECT #2)**

Location: Pond located along Sand Creek on the north side of Woodmen Rd and west of Marksheffel Road

Description: This project involved the engineering and construction of new full spectrum water quality and detention pond that was substantially completed this summer. The remaining work includes plantings scheduled for the spring of 2017.

Engineer/Contractor: Kiowa/Tezak

Status: Construction 95% Complete
**DOWN TOWN DRAINAGE IMPROVEMENTS (IGA PROJECT #5)**

Location: Pikes Peak Avenue - Nevada to Shooks Run

Description: This project combines the reconstruction and upgrade of an existing stormwater pipeline and a potable water main that run along Pikes Peak Avenue from Nevada Avenue to Shooks Run. The project was engineered in-house and is currently under construction with an expected completion date of spring 2017.

Engineer/Contractor: City Engineering/TBD
Status: Engineering - 100% Complete  
Construction - 10% Complete

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**USAFA DRAINAGE-MONUMENT BRANCH (IGA PROJECT #6)**

Location: The project is located on Monument Branch a tributary of Monument Creek, between North Gate Blvd and Interquest Parkway and starts at Voyager Parkway (just north of The Classical Academy school) and continues west past I-25 to the confluence with Monument Creek on the United States Air Force Academy (USAFA).

Description: The Monument Branch tributary of Monument Creek has become highly eroded. This project will restore and stabilize the creek by constructing drop structures and installing flood mitigation measures. The project has been broken up into 3 phases. Phase 1 is a small section of highly eroded channel between Voyager Parkway and I-25. Phase 2 is the remaining section outside of phase 1 between Voyager parkway and I-25. Phase 3 will be the section of Monument Branch from the confluence with Monument Creek to the Santa Fe Regional Trail on the west side of I-25. The project is identified as a high priority project within the Monument Creek Watershed Restoration Master Plan, October 3, 2016 and is a joint effort between the City, Utilities, the United States Air Force Academy, CDOT, and the FCWFCGD.

Engineer/Contractor: Matrix/SEMA Construction (Phase 1)
Status:  
Engineering Phase 1 - 100% Complete  
Construction Phase 1 - 40% Complete
USAFA DRAINAGE-MONUMENT BRANCH (IGA PROJECT #6) - Continued

FAIRFAX TRIBUTARY DETENTION POND (IGA PROJECT #7)

Location: Proposed pond to be located on the northwest corner of Powers Boulevard and Research Parkway.

Description: This project will construct a new full spectrum detention facility. This project is being designed in conjunction with a water quality grant applied for through the Colorado Department of Transportation (CDOT) Water Quality Mitigation Fund. Once approved, engineering will commence upon completion of CDOT selecting a design alternative for the proposed interchange at Research Parkway and Powers Boulevard. Initial design alternatives are complete and have been submitted through the grant application process. The configuration of the interchange will impact the property in which the basin will be located. In the event the grant approval is not approved or received in a timely manner, an alternative design will be completed and advanced to construction.

Engineer/Contractor: FHU – Grant Application/TBD
Status: Grant Application 100% Complete
KING STREET DETENTION POND (IGA PROJECT #8)

Location: King Street Detention pond is located on the south side of King Street at 25th Street.

Description: This project includes providing water quality for the area and flood control by retrofitting the existing detention basin into a full spectrum basin.

Engineer/Contractor: Kiowa/TBD
Status: Engineering 50% Complete

WATER QUALITY PROJECTS-ATB PARK BASIN (IGA PROJECT #13)

Location: America the Beautiful (ATB) park is located southwest of downtown between Colorado Ave. to the north, Cimarron Ave. to the south, and Monument Creek to the west.

Description: This project will provide water quality and flood control to the southwest downtown redevelopment area. The current area does not have any regional water quality before discharging into Monument Creek. The project will address existing pipe size capacity and water quality before entering Monument Creek just upstream of Fountain Creek by the retrofitting of an existing basin and the installation of a new basin, along with storm conveyance infrastructure improvements.

Engineer/Contractor: CP&Y/TBD
Status: Engineering 10% Complete
SAND CREEK STABILIZATION SOUTH OF PLATTE (IGA PROJECT #26)

Location: The project is located in Sand Creek immediately downstream of Platte Avenue Bridge and ends half a mile downstream at the confluence with the West Fork Drainage channel.

Description: The project will stabilize this section of Sand Creek utilizing funding from a grant through the FEMA Hazard Mitigation Grant Program (HMGP). This section of channel has been eroding at a very high rate and is now threatening a very large drop structure below Platte Avenue that was constructed in 2008 after a large storm compromised the bridge pier supports. The proposed channel improvements will include several channel stabilization structures, bank stabilization measures, and restoration of riparian habitat.

Engineer/Contractor: RESPEC/TBD
Status: Engineering 15% Complete
5.0 Drainage Operations and Maintenance Program

Drainage infrastructure inspection, operation, and maintenance activities under the Water Resources Engineering Division are coordinated by the Stormwater Projects Delivery group and conducted by the Drainage Operations and Maintenance Program embedded within the City’s Operations and Maintenance Division.

**Drainage Operations and Maintenance Activities**

The dedicated Drainage Operations and Maintenance Program team was created and staffed during 2016 with one Drainage Operations and Maintenance Supervisor and thirty additional staff members including equipment operators, laborers, and inspectors.

The essential functions of the Public Works Operations and Maintenance Division, Drainage Operations and Maintenance Program are critical to maintaining the City’s drainage infrastructure and maintaining compliance with the City’s MS4 Permit obligations.

To assist with consistent performance of these activities, Standard Operating Procedures (SOPs) for each of the above functions have been developed. The SOPs define, among other things, the purpose of the activity, scope, number and type of equipment required, minimum number of personnel required, training requirements, responsibilities and the standard procedures to be followed.

During the 2016 calendar year, the Drainage Operations and Maintenance Program completed the following activities:

- Inspections of all 90 publicly maintained regional and subregional detention ponds/facilities
- Maintenance activities within 53 publicly maintained regional and subregional detention facilities (including debris removal, mowing, tree trimming, minor sedimentation removal and minor structure maintenance)
- Inspection of 27 miles of concrete-lined and natural channels
- Maintenance activities through six (6) miles of concrete-lined and natural channels along the Templeton Gap floodway, Village Green park, Hancock Expressway and
Sand Creek (including concrete repairs, vegetation and debris removal and minor sedimentation removal)

- 2,573 separate storm sewer maintenance/vacuum-truck operations (including water quality vault cleaning, storm sewer pipe cleaning and storm sewer blockage removal)
- Repair or replacement of 2,700 linear feet of stormwater conveyance pipe
- Dedication of eight (8) members of the Public Works Operations and Maintenance Division street sweeping group (including 6 existing operators and 2 new hires) to the Water Resources Engineering Division and leasing of eight (8) new street sweepers to be operated by the Water Resources street sweeping team. The program reduces the amount of trash, sediment, debris and pollutants entering City waterways
- Purchase of approximately $500,000 in additional equipment necessary to complete required operation and maintenance activities
6.0 Communications

Communications under the Water Resources Engineering Division are coordinated through the City Communications Department. One City Communications Specialist is dedicated part-time to supporting the Water Resources Engineering Division communication and public outreach efforts.

Communications Activities

Early in 2016, the Water Resources Engineering Division and the City Communications Department reviewed the City’s public education, outreach strategies, and programs related to the requirements of the City’s MS4 Permit, the need to reach out to the local regulated community, and the City’s desire to promote the benefits of improved water resources management to its citizens. Strategies and tactics were identified for an overall communication strategy, public education, public outreach (e.g., school programs, festivals, media outreach, brochures, social media), and public involvement related to implementation of larger stormwater capital projects. A more comprehensive summary of the City’s public education and outreach strategy can be found in Appendix C of the City’s Stormwater Program Implementation Plan (SPIP) available on the City’s website.

During the 2016 calendar year, the Water Resources Engineering Division and City Communications Department completed the following activities:

- Updating of the City website related to Water Resources Engineering Division and stormwater-related information and activities
- Creation of a dedicated stormwater projects page on the City website, complete with interactive planning and project completion maps
- Creation and publication of a Water Resources Quarterly newsletter
- Coordination of media related news releases, site visits, and information packages
7.0 Coordination with FCWFCGD

The City and Utilities have worked with, and gained the support of, the FCWFCGD for the following grant opportunities:

- **US-24/Colorado Ave. Basins – Colorado Department of Transportation (CDOT) Water Quality Mitigation Pool Grant Application: $2,750,000**

  The project involves the installation of a proposed extended detention basin to be located adjacent to the south bank of Fountain Creek on the current Timber Lodge cabins property, just north of Ridge Road. The basin will provide water quality treatment and detention for significant areas of CDOT right-of-way and previously developed property within the City of Manitou Springs, City of Colorado Springs, and El Paso County. The project is consistent with the *Upper Fountain Creek and Cheyenne Creek Flood Restoration Master Plan, June 26, 2015* and the *US24 West Environmental Assessment and Section 4(f) Evaluation, May 2012*. The grant application was approved and awarded on August 15, 2016.

- **Natural Resource Conservation Service (NRCS) Regional Conservation Partnership Program – Grant opportunity pursued by Utilities on behalf of FCWFCGD with NRCS through the Watershed and Flood Prevention Program.** This and other grant opportunities were pursued and supported by Utilities through in-kind contributions to build successful partnerships and leverage resources.

- **Colorado Water Conservation Board, Water Supply Reserve Account funding – Utilities provided support to the FCWFCGD in the development of grant applications for two studies on Fountain Creek, both of which were approved to receive state and regional funding through the Water Supply Reserve Account program.** These studies include the Watershed Assessment of River Stability and Sediment Supply for the mainstem of Fountain Creek, and the Evaluation of Fountain Creek Flood Control Alternatives. Additionally, Utilities provided in-kind contributions in the implementation of both studies through staff technical support.

- **The City and Utilities continued to participate with the FCWFCGD in the development of the *Monument Creek Watershed Restoration Master Plan, October 3, 2016*.**

- **The City and Utilities are active participants in the FCWFCGD Board of Directors, and the FCWFCGD Technical Advisory Committee (TAC) and Monetary Mitigation Fund Advisory Committee (MMFAC).** Respectively, the TAC and MMFAC provide input to the Board of Directors regarding technical matters including land use policies, land use project applications, and funding priorities for project work on Fountain Creek.

- **City and Utilities representatives are currently participating in the review and comment of the upcoming FCWFCGD Drainage Criteria Manual and Flood Plain Development Policy through participation in the TAC, with partial funding support provided by the City.**

- **The City has supported the FCWFCGD in the development of an area specific 24-hour storm distribution to be used in hydrologic design criteria and replace the current NRCS 24-Hour Type II Design Storm Distribution outlined in the current City of Colorado Springs Drainage Criteria Manual (DCM).**
o The City and Utilities is participating through the Arkansas Fountain Coalition for Urban River Evaluation (AF CURE) to develop an EPA Watershed Based Plan (WBP) to address E. coli concentrations in stream segments listed as “impaired” in the CDPHE Regulation #93 (303 d list). Participation has included cash match and in-kind technical support in the form of data collection, analysis, stakeholder coordination, and plan development. This effort will result in a Fountain Creek WBP that presents solutions for reducing nonpoint source pollutant loadings that contribute to E. coli water quality impairments and outline how these solutions can be implemented.

o The City began engineering and construction of the Monument Creek Channel Stabilization project. The project is located on Monument Branch, a tributary of Monument Creek, between North Gate Boulevard and Interquest Parkway. This project will restore and stabilize the creek by constructing drop structures and installing flood mitigation measures. The project was identified as a high priority project within the Monument Creek Watershed Restoration Master Plan, October 3, 2016 and is a joint effort between the City, Utilities, the United States Air Force Academy, CDOT, and the FCWFCGD.

o The City is in the process of developing a Stormwater Infrastructure Master Plan (SIMP) which will incorporate information from the Upper Fountain Creek and Cheyenne Creek Flood Restoration Master Plans and the Monument Creek Watershed Restoration Master Plan, which were prepared in a joint effort with the FCWFCGD.
8.0 Estimated Expenditures for the 2016 Calendar Year

The following contains a report of estimated expenditures for the 2016 calendar year. The minimum expenditure requirement (actual and encumbered) has been met for the 2016 calendar year reporting period, as required by the City of Colorado Springs and Pueblo County IGA. As of December 31, 2016, the City and Utilities have invested (through either expenditures or encumbrances) a total of $25.8 million dollars on the City’s Stormwater Control Program.

Expenditures for the 2016 Calendar Year

<table>
<thead>
<tr>
<th>IGA Requirement</th>
<th>Minimum Total Expenditures</th>
<th>Average Annual Expenditures</th>
<th>Minimum Annual Expenditures</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Five Years (2016-2020)</td>
<td>$100 Million</td>
<td>$20 M</td>
<td>$16.5 M/yr.</td>
</tr>
</tbody>
</table>

Claimed Expenditures
(Actual Expenditures and Encumbered Funds)

<table>
<thead>
<tr>
<th></th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drainage O&amp;M/MS4 Program</td>
<td>$5,883,812</td>
</tr>
<tr>
<td>Stormwater Capital Projects</td>
<td>14,982,145</td>
</tr>
<tr>
<td>Colorado Springs Utilities (SSCC)</td>
<td>4,713,024</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$25,578,981</strong></td>
</tr>
</tbody>
</table>

Actual Expenditures Only

<table>
<thead>
<tr>
<th></th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drainage O&amp;M</td>
<td>$2,225,302</td>
</tr>
<tr>
<td>Stormwater MS4 Program</td>
<td>2,772,986</td>
</tr>
<tr>
<td>Stormwater Capital Projects</td>
<td>8,743,880</td>
</tr>
<tr>
<td>Colorado Springs Utilities (SSCC Program)</td>
<td>4,713,024</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$18,455,192</strong></td>
</tr>
</tbody>
</table>

Additional Unclaimed Stormwater Expenditures

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Other Capital Project Stormwater/Channel Related Work</td>
<td>$3,644,233</td>
</tr>
<tr>
<td>(Excluded expenditures related to PPRTA and roadway/bridge construction or maintenance projects per IGA paragraph III.A(5)b.)</td>
<td></td>
</tr>
</tbody>
</table>

Capital Project Summary of Expenditures

Of the actual total listed above, $8,168,382 has been invested on Capital Projects, of which $7,497,892 has been invested on nine IGA projects, and $670,490 has been invested on other Stormwater related projects.
9.0 Other Relevant Activities

Drainage Criteria Manual Updates: Hydrology
The Water Resources Engineering Division joined with the FCWFCGD in an effort to develop updated hydrologic criteria including recommendations for the adoption of the NOAA Atlas 14 Precipitation Frequency and update rainfall distribution curves.

- Contractor: FCWFCGD
- Total Project Cost: $41,500
- Status: 90% Complete

CDOT Grant Applications and Projects
The Water Resources Engineering Division applied for two significant grant opportunities utilizing the Colorado Department of Transportation’s (CDOT) Permanent Water Quality Mitigation Pool grant program.

**US-24/Colorado Ave Basins: $2,750,000**
The project involves the installation of a proposed extended detention basin to be located on the south bank of Fountain Creek on the current Timber Lodge property, just north of Ridge Rd. The basin will provide water quality treatment and detention for significant areas of CDOT right-of-way and previously developed property within the City of Manitou Springs, City of Colorado Springs, and El Paso County. The project is consistent with the Upper Fountain Creek and Cheyenne Creek Flood Restoration Master Plan, June 26, 2015 and the US24 West Environmental Assessment and Section 4(f) Evaluation, May 2012. Awarded August 15, 2016.

**Fairfax Tributary Basin: $1,992,302**
The project involves the joint design and installation of a full-spectrum detention facility on the northwest corner of Research Parkway and Powers Boulevard. The facility will be incorporated into the design of a grade separated intersection and provide detention and water quality treatment for developed areas upstream, as well as tributary area from CDOT right-of-way. See Fairfax Tributary Detention Pond (IGA Project #7) description above.
## Glossary

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMPs</td>
<td>Best Management Practices</td>
</tr>
<tr>
<td>Capital Project</td>
<td>A project for the construction of facilities and infrastructure undertaken primarily to provide stormwater control (e.g., stormwater detention ponds, or channel preservation, restoration, or stabilization), with a monetary value of at least $50,000 and long life (at least five years), and which results in the creation of a fixed asset or a significant revitalization that upgrades and extends the useful life of a fixed asset.</td>
</tr>
<tr>
<td>CDOT</td>
<td>Colorado Department of Transportation</td>
</tr>
<tr>
<td>CDPHE</td>
<td>Colorado Department of Public Health and Environment</td>
</tr>
<tr>
<td>City</td>
<td>City of Colorado Springs</td>
</tr>
<tr>
<td>CIP</td>
<td>Capital Improvements Program</td>
</tr>
<tr>
<td>CIP List</td>
<td>Capital Improvements Project List</td>
</tr>
<tr>
<td>CMP</td>
<td>Corrugated Metal Pipe</td>
</tr>
<tr>
<td>Construction</td>
<td>Activities including studying, land acquisition, planning, engineering, bidding, permitting, construction, construction management, project management, testing and commissioning.</td>
</tr>
<tr>
<td>DBPS</td>
<td>Drainage Basin Planning Study</td>
</tr>
<tr>
<td>DCM</td>
<td>City of Colorado Springs Drainage Criteria Manual</td>
</tr>
<tr>
<td>Drainage Operations Program</td>
<td>City of Colorado Springs Public Works Operations and Maintenance Division, Drainage Operations Program</td>
</tr>
<tr>
<td>Encumbered Funds</td>
<td>Monies which are appropriated and placed into a fund or account restricted (1) for payment of an authorized Stormwater Control Program activity and cannot be obligated or used for any other purpose, and (2) for payment of capital construction projects for which appropriate steps are being undertaken in a timely manner to advance towards physical construction.</td>
</tr>
<tr>
<td>Expenditures</td>
<td>Both actual expenditures and encumbered funds.</td>
</tr>
<tr>
<td>FCWFCGD</td>
<td>Fountain Creek Watershed Flood Control and Greenway District</td>
</tr>
<tr>
<td>IGA</td>
<td>Intergovernmental Agreement between Pueblo County and the City of Colorado Springs and its Utility Enterprise (entered as of April 27th, 2016)</td>
</tr>
<tr>
<td>MDBPS</td>
<td>Master Drainage Basin Planning Study</td>
</tr>
<tr>
<td>MS4</td>
<td>Municipal Separate Storm Sewer System</td>
</tr>
</tbody>
</table>

**Note:** This glossary covers terms used in the text of the document. It is not exhaustive and may not cover all terms used in related works.
<table>
<thead>
<tr>
<th>Term</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS4 Permit</td>
<td>Authorization under the Colorado Discharge Permit System to discharge stormwater and from emergency firefighting activities from the municipal separate storm sewer system (MS4) owned and operated by the City of Colorado Springs</td>
</tr>
<tr>
<td>NOAA</td>
<td>National Oceanic and Atmospheric Administration</td>
</tr>
<tr>
<td>O&amp;M</td>
<td>Operations and Maintenance</td>
</tr>
<tr>
<td>PPRTA</td>
<td>Pikes Peak Rural Transportation Authority</td>
</tr>
<tr>
<td>SIMP</td>
<td>Stormwater Infrastructure Master Plan</td>
</tr>
<tr>
<td>SPIP</td>
<td>Stormwater Program Implementation Plan</td>
</tr>
<tr>
<td>Stormwater Capital Improvements Program (CIP)</td>
<td>An annually updated plan of expenditures for Capital Projects for stormwater control with estimated costs, sources of funding, and schedule of work over a five-year period, including those Capital Projects required by the IGA.</td>
</tr>
<tr>
<td>Stormwater Control Program</td>
<td>City and Utilities' program to control and mitigate the rate, volume, and quality of stormwater flows and associated erosion and sedimentation in or near the City, and includes a CIP, provisions for operation and maintenance of the City's stormwater facilities, compliance with the City's MS4 Permit, and protection of Utilities infrastructure from stormwater.</td>
</tr>
<tr>
<td>SSCC</td>
<td>Colorado Springs Utilities Sanitary Sewer Creek Crossing Program</td>
</tr>
<tr>
<td>TAC</td>
<td>Fountain Creek Watershed Flood Control and Greenway District, Technical Advisory Committee</td>
</tr>
<tr>
<td>TMDL</td>
<td>Total Maximum Daily Load</td>
</tr>
<tr>
<td>Utilities</td>
<td>Colorado Springs Utilities</td>
</tr>
<tr>
<td>WWE</td>
<td>Wright Water Engineers</td>
</tr>
</tbody>
</table>