

TOWN OF ERIE

DEPARTMENT OF PUBLIC WORKS

ANNUAL REPORT



AIRPORT
CONSTRUCTION
ENGINEERING
MAINTENANCE
PLANNING
SEWER
STORM
STREETS
TRANSPORTATION
WATER
WATER RECLAMATION
WATER TREATMENT

FOR THE YEAR 2017



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LETTER TO THE COMMUNITY

TODD FESSENDEN | DIRECTOR OF PUBLIC WORKS

This Department of Public Works (DPW) Annual Report to the community highlights the key accomplishments in 2017 and what we plan to do in 2018.

The Department of Public Works consists of 51 Full Time Equivalents (FTE) employees in several divisions, **ADMINISTRATION** (7), **ENGINEERING** (8), **FACILITY OPERATION SERVICES** (6), **DISTRIBUTION/COLLECTION/STORM DRAINAGE MAINTENANCE** (8), **FLEET MAINTENANCE** (2), **STREETS MAINTENANCE** (7), **WATER METERS** (3), **WATER TREATMENT** (6), and **WASTEWATER TREATMENT** (4). Our mission is to support our citizens by planning, constructing and maintaining quality infrastructure, safe drinking water and high quality water reclamation services. I am proud of how we, as a team, have handled the changes and challenges of our developing community with passion and professionalism. Our goal is to deliver excellent customer service and added value to our residents.

As a team, a great deal of collaboration and partnerships both within the Town and with outside agencies was spent as we tackled several major projects that were started and completed in 2017 including:

- Traffic Mitigation
- Erie Parkway/Briggs Street & Erie Parkway/Powers Street Left Turn Signals
- Zone 3 Waterline Connection
- LED Lighting at Erie Community Center
- North Water Reclamation Facility Capacity Improvements
- Erie Airport Apron Rehabilitation
- Colliers Hill
- Erie Highlands
- Flatiron Meadows

During the winter months, our staff strives to keep the streets clear and the traffic flowing. Our crews are out in full force for each snow event. We had 13 deployable snow events with a total of 26.5 inches of snow from November 2016 to May 2017. We plowed 9,025 miles of road; used over 354 tons of de-icer and our crews logged over 750 hours.

We are also collaborating with outside entities, to even further expand on our Geographical Information System (GIS) capabilities and have successfully developed, or assisted with the development of, interactive applications for residents and Erie businesses. As part of our Erie Stuff app, we have several interactive maps available at www.erieco.gov/maps.

The Water Treatment and Wastewater Treatment Divisions currently serve over 8,200 residential and over 140 commercial customers. This year we added 6 additional shares of highly sought after Windy Gap water, this helps ensure reliable high quality source water for residents now and for future generations. We delivered over a billion gallons of treated drinking water to our residents in 2017 and just this year started serving reclaim water for irrigation in Colliers Hill; which makes sustainable use of a valuable resource. We deliver these services 24 hours a day, 365 days a year while protecting the environment, community and economic interests we all value.

Our team has long been involved with focusing on infrastructure for the Town of Erie. One of our core values is the stewardship of the infrastructure that we oversee. I am proud of the DPW staff, honored to work with such a professional staff, and appreciative of all the services that the DPW staff provides to the Town of Erie residents every day. Thank you for taking the time to review our annual report. If you have any additional questions, please visit our website at www.erieco.gov, send us an email, or give us a call at 303-926-2870.

Sincerely,

Todd Fessenden
Director of Public Works

ADMINISTRATION

The Public Works Administration Division directs and manages the Department to align with the mission, vision and values of the Town. Administration also participates in the planning of future needs process and performs special projects while developing departmental policies and procedures, prepares and manages the department budget, prepares Board agenda items, supports the Town Administrator and Board of Trustees, and ensures effective management and operational conditions of the Department.

The team manages Capital Improvement Projects (CIPs) undertaken by the water, storm drainage, and wastewater utilities as well as capital projects in the general, transportation and public facilities.

Public Works Administration Division also plays a vital role in representing the Town with other outside agencies, such as Boulder County, Weld County, Colorado Department of Public Health & Environment (CDPHE), Colorado Department of Transportation (CDOT), Denver Regional Council of Government (DRCOG), Federal Emergency Management Agency (FEMA), Keep it Clean Partnership and Transportation coalitions and surrounding municipalities.



The Department of Public Works would like to acknowledge and thank Gary W. Behlen for his dedication, outstanding service and many contributions to the Town of Erie as the Public Works Director from April 2004 and to January 2018.

PERFORMANCE MEASURES

- Budget is “an estimation of the revenue and expenses over a specified future period of time”. Our acceptable range for actual expenditures is between 80% - 90% of the overall budget.
- Purchasing Policy states all expenditures over \$25,000 require Board of Trustees action. Our acceptable range is between 50 - 100 agenda items requiring action.

HOW WE MEASURED IN 2017

- Spent 89.2% of the operational budget and oversaw 103 capital projects representing \$27.5M in new or improved Town infrastructure.
- Presented 75 action agenda items and 20 staff items.

DIVISION FACTS

7 FTEs (incl O&M)

Board of Trustees Agenda Items:

- 95 items Total
 - » 53 Consent Items
 - » 3 Ordinance Items
 - » 8 Presentation Item
 - » 1 Proclamation Item
 - » 8 Resolution Items
 - » 1 General Business Items
 - » 20 Staff Items

ENGINEERING

Engineering has 8 FTEs which organizes, directs, implements and monitors the planning, contracting, designing and inspecting of all capital improvement and private development projects within the Town. Engineering also maintains and updates the Geographic Information System (GIS). Engineering ensures all projects and developments meet Town construction standards and Board of Trustee's goals.

Engineering provides services to residents such as guidance with engineering and development questions; issues permits for: grading, stormwater quality, public improvements, right-of-way work and floodplain development. The division participates in inspections of the Coal Creek flood protection levee with the Corps of Engineers every two years. The division also provides general flood plain information, and coordinates with outside agencies, prepares various maps and updates to the Standards and Specifications annually. The Engineering Division maintains and updates the Town's Geographic Information System (GIS). The Engineering Division consists of professional engineers, two GIS professionals, construction managers, and construction inspectors. The Engineering Division does not provide design services for private property issues but can often provide technical recommendations on how to address identified problems depending on the type and severity of the situation. The division reviews the State bridge inspection reports and budgets for recommended improvements.

• **CAPITAL IMPROVEMENT PROJECTS:** Staff is responsible for management and/or completion of engineering design, consultant management, right-of-way acquisition, contract administration, bidding and construction management of transportation, airport, facilities, stormwater, water and sanitary sewer projects. Engineering is involved in master planning all of the Town's public infrastructure and is responsible for budgeting monies for many years into the future.

• **DEVELOPMENT REVIEW:** Staff is responsible for reviewing proposed private development. During the planning stage, the Community Development Department serves as the primary contact for developers. Engineering Staff duties during this stage include assisting in the drafting of development agreements with developers, reviewing engineering design for proposed streets, stormwater facilities, utilities (water, sanitary sewer and storm sewer), traffic, erosion control, and checks for conformance with the Town's Standards and Specifications for Design and Construction of Public Improvements.

DIVISION FACTS

8 FTEs

- 15 Sets of Construction Plans Accepted
- 19 Public Improvement Permits for Developments Issued
- 132 Right of Way Permits issued
- 12 Traffic Signals, 3 were upgraded in 2017
- 168 Special Projects for Internal Departments & 42 Special Projects for General Public
- Staff worked with Urban Drainage to obtain \$92,550 in stormwater maintenance work
- Staff managed 28 consultants and 11 contractors on Town capital improvement projects throughout the year.
- Staff Construction Inspectors reviewed and oversaw the inspection of 33 land development projects.

• **CONSTRUCTION INSPECTORS:** Staff is responsible for construction administration and inspections of public infrastructure projects, whether Town-initiated or privately constructed facilities associated with development. Staff checks that proper materials are being used, the infrastructure passes the proper testing, and that the project is in compliance with the accepted construction drawings. Staff also ensures projects are in compliance with stormwater management requirements and regulates activities within the public rights-of ways.

• **GIS DEVELOPMENT:** Two GIS staff members design, develop, and maintain the Enterprise GIS System for the Town. Staff produces thematic maps, performs data analysis and supports digital data requests. Staff also provides geospatial information and mobile mapping applications to town employees and the public in order to enhance Town operations, improve decision making, and provide better public service.

ERIE MUNICIPAL AIRPORT

Erie Municipal Airport (identified as EIK) is owned by the Town of Erie and located north of Colorado Highway 7, about 3 miles west of Interstate 25. Vector Air, LLC performs all the day-to-day operations at the airport and acts as the Fixed Based Operator (FBO) through a public/private partnership agreement with the Town of Erie. Vector Air provides the day-to-day maintenance and operation services, airfield maintenance, airport security, tenant relations, and lease management. Services at the airport include flight instruction, Jet A and 100LL fuel sales, and aircraft rental and repair.

Together, Engineering staff and Vector Air staff manage capital improvement planning, design, and construction, grant applications, and interaction with the Federal Aviation Association (FAA) and the Colorado Division of Aeronautics (CDOA). FAA funds are reimbursable grants. As an airport sponsor, the Town of Erie is responsible for contributing local matching funds for an FAA project.

DIVISION FACTS

0 FTEs

Runway 15/33 facts:

- 4,700 Foot Concrete Runway
- Runway Identifier Lighting
- 5 Runway/Taxiway Connectors
- Runway and Taxiway Lighting
- Precision Path Indicators (PAPI)
- Instrument approach

Airport facts:

- Approximately 190 Based Airplanes
- 46,520 estimated operations
- AWOS for real time weather info
- Two 12,000 gallon fuel tanks serving Jet A and 100 LL Fuel

FLEET MAINTENANCE

PERFORMANCE MEASURES

- The acceptable range for percent work orders completed in-house versus contracted is between 50/50 to 60/40 respectively.
- The acceptable range for overall replacement of the fleet is 5% to 10%.
- The acceptable range for average maintenance cost per vehicle is between \$1,000 to \$2,000 and per equipment unit is \$2,000 to \$3,000 (not including fuel usage).

HOW WE MEASURED IN 2017:

- 91% of the work orders were completed in house while 9% were contracted out (roughly half of the issues contracted out were for warranty/recall claims).
- 5% of the fleet was replaced.
- Average maintenance cost per vehicle was \$706.98 and equipment was \$1,726.91.

Fleet Maintenance Division two mechanics who maintain 59 vehicles in the Administration, Planning & Development, Parks & Recreation, Police and Public Works departments. The division also maintains 38 pieces of heavy equipment for Public Works and Parks. Maintenance is provided through a combination of in-house and contract maintenance. There are 23 units that are snow plow capable. This includes six large dump trucks, five pickups with v-plows, three pickups with straight plows, one loader, one motor grader, two backhoes, three skid steer type units, one 4-wheeler with plow, and one Toro mower with v-plow. Some units are only used on trails and sidewalks. In 2017, five units were replaced and three additional units were purchased.

Fleet is housed at the Leon A. Wurl Service Center and maintains a shop to perform preventative maintenance such as oil changes, fluid replacement, inspections and minor repairs for all Town units. Minor repairs are completed in-house. Major repairs are contracted out. There were 805 work orders processed in 2017.

STREET MAINTENANCE

Streets Division maintains roads in the Town. Road maintenance activities include road blading, street sweeping, snow removal, asphalt maintenance, signs and pavement markings, shoulder work, and concrete work.

SIGNAGE: Streets maintains street signs, regulatory and warning signs in accordance with the Manual on Uniform Traffic Control Devices. If you notice a street sign missing, contact us for replacement.

STREET CLEANING: Town streets are swept in the spring and fall. Additional sweeping is performed throughout the year as needed.

SIDEWALK MAINTENANCE: Streets Division works closely with the residents to ensure sidewalks remain safe. If a sidewalk is reported as having a hazard, an evaluation is performed and if criteria are met, repair is scheduled. This is accomplished through a cost-sharing program with the owner of the damaged area. Repairs for detached sidewalks are the homeowner's responsibility, per Municipal Code 7-1-4.

ASPHALT REPAIRS: Streets Division keeps the streets of the Town safe for motorists, bicyclists, pedestrians and commercial vehicles through its pothole, crack sealing and patching programs. Roads are patched or repaired on a regular basis.

DIVISION FACTS 7 FTEs

- 309 Lane Miles of Paved Streets
(4% Arterial, 17% Collector, 79% Local)
- 4 Miles of Roads Rehabilitated
- 1,658 LF of Curb & Gutter Replaced
- 2,116 SF of Combination Curb/Gutter Sidewalk Replaced
- 1,238 Curb Miles Swept
- 677 Signs Maintained
- 864 Signs Installed
- 4,783 Total Signs
- 209,000 LF of Roads Striped
- 787,602 LF of Paint Applied
- 133,440 lbs of Asphalt Used for Pothole Repairs
- 254,989 lbs of Crack Sealant Material Used
- 8 Miles of blading for dirt roads
- 50 tons of road base/recycled asphalt used for alley and shoulder maintenance
- 13 Snow Events from November 2016 to May 2017 totaling 26.5 inches of snow
- 354 Tons of Ice Slice Applied to Roadways
- 9,025 miles plowed in 750 hours

STREET RESURFACING: Streets Division uses a software-based pavement management program to identify areas in need of resurfacing. Work identified is completed either through the Street Maintenance Services for smaller items such as patchwork or crack sealing, or the Street Maintenance Program for larger items such as seal-type treatment or reconstruction.

SNOW REMOVAL: Streets Division continually focuses on all primary routes (major arterials) providing critical access in and out of Erie during a snowstorm. Once the snowfall rate has decreased and all primary routes are clear, plowing begins on all secondary routes (minor arterials and collector streets) in neighborhoods. As directed, one center pass will be made on all tertiary routes (internal streets) once primary and secondary routes are clear. Property owners are responsible for clearing their sidewalks within 24 hours after each storm. Maps of all streets and their classifications are listed on the Town website at www.erieco.gov/snow.

PERFORMANCE MEASURES

- Each segment of roadway has a Remaining Service Life (RSL). Our Pavement Management System tracks the current RSL rates for all categories of roads including: arterial (major), collector (minor), and locals (internal). The acceptable range is to have 80% of segments between 5 - 15 years.
- The average cost of street maintenance per mile is used for future planning. The acceptable range is \$3,000 to \$8,000.

HOW WE MEASURED IN 2017:

- RSL between 0-5 years is 2.7%; 6-10 years is 66.4%; 11-15 years is 16.9%; 16-20 years is 14%. Average RSL is 10.7 years
- The average cost of maintenance per mile was \$4,739.24
- The average cost of rehabilitation per mile was \$170,143.91

FACILITY OPERATION SERVICES

Facility Operation Services division has six employees who provide general maintenance, preventive maintenance, janitorial services, project management, and Capital Improvement Projects (CIPs) for all Town-owned facilities and grounds which total 207,135 feet in all. Town Hall (18,907 SF), Leon A. Wurl Service Center (60,000 SF), Water Treatment Facility (22,516 SF), North Water Reclamation Facility (24,328 SF), Erie Community Center (63,764 SF), Erie Police Station & Municipal Court Building (17,500 SF) and the Erie Community Park Plaza/Concession Stand Facility (120 SF).

In 2017, over 3,600 documented work orders and four CIPs were completed; which is an average of 70 work orders a month, or 12 a day per employee. In 2017, the division added three employees who have contributed to an increase in service, readiness, and ability to address more projects in-house. Two employees successfully completed Certified Pool Operator training in order to assist the Erie Community Center (ECC) staff with the pool operation and repairs.

The division also acquired a utility van in 2017 which is equipped with storage cabinets, drawers, shelving, and a ladder rack which has increased efficiency and productivity by providing a “mobile shop” which is stocked with common parts, tools, ladders, and enough space to fit large materials as well. Reducing trips back and forth for materials or tools and keeping the materials out of the elements during transport or storage makes our efforts much more efficient.

Specialized maintenance, such as elevator inspections/repairs, HVAC preventive maintenance/major repairs, pest control and annual state inspections are scheduled, supervised, and finalized by the division. Custodial Services for Leon A. Wurl Service Center, Town Hall and the Erie Community Center buildings are contracted out. Janitorial services for all other facilities are performed by staff.

The Facility Operation Services division continues to be good stewards of the community and environment by reducing its carbon footprint. Listed below are projects and Corrective Maintenance the department completed in 2017:

- Replacing incandescent lamps for the ECC racquetball courts with LED bulbs and ballast.
- Replacing metal-halide bulbs with LED bulbs in the ECC’s parking lots.
- Repairing and maintaining the solar thermal generated heat system at the ECC. This system provides heat to the ECC’s pool and some domestic water, reducing natural gas consumption.
- Replacing all of the exterior florescent lighting at the North Water Reclamation Facility with LED exterior lighting.
- Transitioning from florescent lighting to LED of parks shelters, walkways, and pole lighting.
- Responsibly disposing of bulbs and ballast by securing them in containers that are delivered to a recycling company.



PERFORMANCE MEASURES

- The acceptable range for contracted janitorial services is \$0.75 to \$1.00.
- The cost of maintenance per square foot (SF) is used for future planning. The acceptable range is between \$5.00 to \$10.00 per SF.

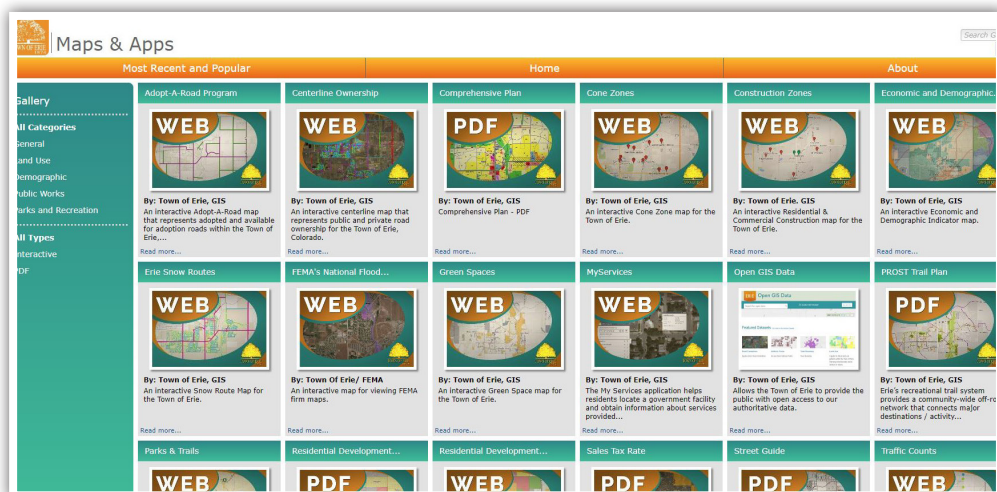
HOW WE MEASURED IN 2017:

- The cost per square foot for janitorial services was \$1.12.
- The cost for maintenance per square foot was \$5.32.

GIS - MAPS & APPS

The Maps & Apps page on the Town's website (www.erieco.gov/maps) has a variety of applications with information for your use. For each app, click on the thumbnail image for each app you would like to use. Each interactive map is described below:

- **Adopt-A-Road Program** – shows what roads are adopted and by who and which roads are available for adoption
- **Centerline Ownership** – shows ownership and maintenance responsibility for each road
- **Comprehensive Plan** – a PDF map showing the guidelines for how land could be used
- **Cone Zones** – shows construction areas with road closures
- **Construction Zones** – shows residential and commercial development activity
- **Economic and Demographic Indicators** – shows project population, retail spending, and neighborhood lifestyle information
- **Erie Snow Routes** – shows the priority classification of each road.
- **FEMA's National Flood Hazard Map** – flood plain map and links to FEMA
- **Green Spaces** – shows all designated open space. Click each area for more information.
- **My Services** – Quick contact info for schools and Town-owned facilities and also give you information about trash and utility providers for your property.
- **Open GIS Data** – This is a link to GIS data that can be downloaded or consumed as a service
- **PROST Trail Plan** – a PDF map of existing and proposed trails
- **Parks & Trails** – quick links to each park, material information on what trails are made of
- **Residential Development Conditions** – active developments and what stage of development they are in
- **Residential Development Conditions** – PDF with all developments, names, and status
- **Sales Tax Rate** – PDF map of sales tax in the area
- **Street Guide** – PDF of street names and location in town
- **Traffic Counts** – shows most current data collected for traffic counts
- **Trails Map** – PDF of the 2017 Recreation Trail map highlighting trail surface types and showing Erie park locations
- **Zoning** – PDF of the 2017 Zoning map
- **Zoning and Land Use** – layered map with street names, parcels, land use, and zoning



DISTRIBUTION, COLLECTION & STORM DRAINAGE MAINTENANCE

The Distribution, Collection, and Storm Drainage Division (D&C) operates and maintains the water transmission, sanitary sewer and storm drainage collection systems. Staff performs routine preventive maintenance for all fire hydrants, valves, pressure reducing valves, air relief valves, sanitary sewer cleaning, vacuuming of lines and water and sewer emergency repairs. Each system is divided into four quadrants and maintained on a rotating schedule, each year a new quadrant will be preventatively maintained.

HYDRANT MAINTENANCE: D&C flushes water mains routinely in spring and fall as the demand for water tends to be lower. This process allows testing of hydrants in the selected quadrant for water flow and pressure, identifying maintenance or replacement needs, and exercising and maintaining valves. Most importantly, flushing enhances water quality helping any accumulated sediment in water mains to be removed from the system. D&C also routinely repaints the hydrants.

DIVISION FACTS 8 FTEs

- 165 Miles of Water Lines
- 1,177 Total Fire Hydrants;
10% Painted
- 4,189 Water System Valves;
9% exercised
- 302 Water Control Valves
- 4 Water Line breaks
- 10,113 Locates Requested
- 109 Miles of Sanitary Sewer Lines
- 3,042 sanitary manholes;
8% inspected
- 0 sewer main line breaks
- 59 Miles of Storm Drainage Lines
- 1,590 sanitary manholes
- 1,388 storm drainage inlets;
10% maintained (more completed by UDFCD)

LOCATES: If you are performing any work in your yard requiring you to dig, you have to call Colorado 811 (by dialing 811) at least three business days prior to digging. They will notify the appropriate utility companies in the area of work to come and locate them for you. This is a free service to you. D&C will locate the water services up to the meter pit and the other companies will locate their utilities as needed.

MAIN LINE BREAKS: If there is a break in water or sanitary sewer lines, our crew inspects the area to determine if the source is a main line or service line. D&C performs needed repairs on all Town owned lines. Coordination between the Town and the homeowner may be necessary to shut off and turn water service back on.

VIDEO INSPECTIONS: Video inspection can determine current sewer and storm drainage conditions and aid in planning a maintenance strategy. Video inspections are the most cost effective method to inspect the internal condition of a sewer line. Visual inspections of manholes and pipelines are also vital in fully understanding the condition of a sewer and storm drainage system.

JETTING: During the spring and fall, a quadrant of the collection system is jetted and vacuumed. Jetting directs high velocities of water against pipe walls. This removes debris and grease build-up, clears blockages, and also cuts roots within small diameter pipes. This work on the collection system reduces the chance of problems in the future.

KEEP IT CLEAN PROGRAM: The Town actively participates in the Keep It Clean Partnership. The primary goal of the Keep It Clean Partnership is to implement a regional stormwater management program, not only to comply with Colorado's MS4 (multi separate storm sewer systems) regulations and to address broader water quality watershed issues.

URBAN DRAINAGE: The Town collaborates with Urban Drainage and Flood Control District (UDFCD) for maintenance of stormwater areas located in Boulder County. As new drainage facilities are constructed, the Town ensures they meet the Urban Drainage and Flood Control District criteria for maintenance eligibility. Weld County portions may be included in the future, and are maintained by the Town as well.

PERFORMANCE MEASURES

- When a non-emergency locate request is received, the Town has three business days hours to respond. Our acceptable range is within one to two business days.
- The acceptable range for leak detection of water lines each year is between 10% - 20%.
- The acceptable range for camera inspection of sanitary sewer each year is between 10% - 20%.
- The acceptable range for camera inspections of storm sewer lines each year is between 10% - 20%.
- The acceptable range for operational maintenance cost per mile of water lines is between \$1,000 to \$2,000.
- The acceptable range for operational maintenance cost per mile of sanitary sewer lines is \$1,000 to \$2,000.
- The acceptable range for operational maintenance cost per mile of storm sewer lines is between \$3,000 to \$4,000.

HOW WE MEASURED IN 2017:

- 100% of locates were performed in the acceptable range.
- Leak detection was performed on 22% of the distribution system.
- Camera inspections were performed on 12% of the sanitary sewer system.
- Camera inspections were performed on 12% of the storm sewer system.
- The average operational cost of maintenance per mile of water line was \$1,208.
- The average operational cost of maintenance per mile of sanitary sewer line was \$1,384.
- The average operational cost of maintenance per mile of storm sewer line was \$3,154.

WATER TREATMENT

The Water Treatment Division operates and maintains the 9.9 million gallon per day (MGD) Lynn Morgan Water Treatment Facility (WTF). The facility utilizes an advanced microfiltration membrane process to produce a firm capacity of 9.9 MGD, with a peak capacity of 12.2 MGD. Water Treatment Facility staff also operates and maintains the solids handling, pretreatment facility, pump stations, interconnects with local water suppliers, water storage facilities, and local raw water reservoirs. Staff monitors all aspects of the water treatment process through the use of a Supervisory Control and Data Acquisition (SCADA) system.

The Water Treatment Facility staff conducts daily testing, continuously monitors water quality through real-time online analyzers which can detect minute changes in water quality. We are proud that Erie meets and exceeds all federal and state drinking water standards. We continue to meet increasingly high water quality standards in a cost-effective manner for the citizens of Erie.

The Water Treatment Division's goal is to provide high quality, safe, dependable water at all times. The Water Treatment Division sends out an annual Consumer Confidence Report to our customers that provide them with information about the quality water and services that the Town of Erie delivers on a daily basis. This report is also available on the Town's website at www.erieco.gov/CCR.

The Water Treatment staff works closely with Administration, Planning and Development and Engineering on Capital Improvement project needs. In 2017, the major projects included construction of a new solids handling and chemical treatment plant, replacement of 512 membrane filters and design for treated water storage repairs and improvements.

PERFORMANCE MEASURES

- The acceptable range for water taste/odor complaints is between 0 - 10.
- The acceptable range for treatment operating cost per thousand gallons is between \$0.75 and \$1.00.

HOW WE MEASURED IN 2017:

- 4 water taste/odor complaints were received.
- Average treatment operating cost per thousand gallons was \$0.95.



DIVISION FACTS

6 FTEs

- 9.9 MGD Water Treatment Capacity
- 3.25 MGD Average Daily Production
- 7.9 MGD Peak Day Production
- 1,189,000,000 gallons Treated
- 8,547 Water Taps
- 139,113 Gallons Treated Per Tap

WASTEWATER TREATMENT



The Wastewater Treatment Division operates and maintains the 1.5 million gallon per day (MGD) North Water Reclamation Facility (NWRF). All of the wastewater from residential and commercial customers is treated using the Integrated Fixed-Film Activated Sludge (IFAS) technology, releasing high quality effluent to Boulder Creek.

Our goal is to operate the NWRF as a good neighbor, minimize odors, and return the highly treated effluent to the creek while meeting all state and federal standards. Many tours have been given since this award-winning facility has been in operation.

The NWRF utilizes various physical and biological processes to remove organic and inorganic constituents from wastewater. Influent pumping, screening, grit removal, activated sludge, sedimentation and ultraviolet disinfection are some of the components making up the treatment process. Laboratory staff conducts testing to monitor compliance with Colorado Department of Public Health and Environment (CDPHE) and United States Environmental Protection Agency (USEPA) to meet discharge permit limits.

In preparation for the future, the Town has a 1,000 acre-foot (326 million gallons) reuse water reservoir that was used in 2017 to irrigate new developments. This will allow the Town to conserve valuable potable water. The NWRF capacity was increased to 1.95 MGD in 2017, the Town is awaiting finalization of a permit change from CDPHE reflecting this capacity increase.

DIVISION FACTS

3 FTEs

- 1.5 MGD North Wastewater Treatment Capacity
- 5.7 MGD Peak Hourly Flow Capacity
- 1.49 MGD Average Daily Flow
- 1.74 MGD Average Monthly Peak Flow
- 2.46 MGD Max Daily Flow
- 543.25 MG Treated
- 8,220 Sewer Taps
- 66,089 Gallons Treated Per Tap

PERFORMANCE MEASURES

- The acceptable range for odor complaints is between 0 - 2.
- The acceptable range for treatment operating cost per thousand gallons is between \$1.00 and \$5.00.

HOW WE MEASURED IN 2017:

- 0 odor complaints were received.
- Average treatment operating cost per thousand gallons was \$2.04.

METERS

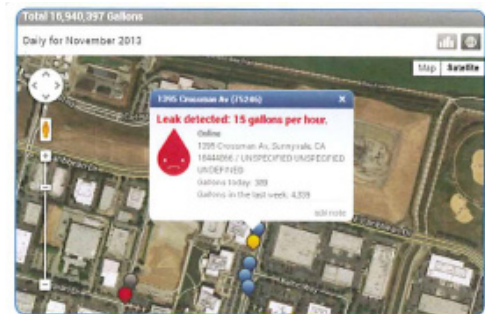
The Meters Division is responsible for installing, repairing, reading, changing out, turning on and off, and re-reading water meters throughout the Town.

Meters works closely with the Utility Billing (Finance) to ensure that meter reads received are accurate. The crews use a laptop and hand held devices that receive a wireless signal from the water meter. Meters are generally read the last week of the month. Utility bills are generally mailed out within the first two weeks of the month. Prior to reading activities, notifications are posted for disconnection of services. This overall process was changed in 2018 to cycle billing. This allows Staff to divide the Town in to four sections to read and bill on a rotating basis.

If you call in a concern to Utility Billing, they issue a work order to a Meter Technician. While most meters are located in the yard in a meter pit, some residents have meters in their house, generally in the basement. Those homeowners will be sent a letter requesting to schedule a time for access. Techs communicate results with the residents through action cards if the resident is not available at the time the work order is completed. A blue colored card will be posted if the meter pit is not accessible (i.e. landscaping, etc) and a yellow colored card is posted with the results of an investigation requested for usage.



Technology is constantly evolving. In 2016, the Town started a 10-year phased plan to upgrade all water meters to “**SMART METERS**”. These smart meters will allow users to monitor usage on a regular basis via the internet, identify potential problems such as high usage, and see results of their water conservation efforts.



PERFORMANCE MEASURES

- The life expectancy of water meters is approximately 10 years. Each year, the crew replaces a percentage of the meters. Our acceptable range is between 10% to 12% replacements per year. Also starting in 2016, all new and replacement meters to Beacon brand smart meters.
- The acceptable range for operational maintenance cost per meter is between \$10.00 to \$20.00 per year.
- The Meter Division tries to minimize the request for re-reads of water meters. The acceptable range is between 1% to 1.5% monthly.

HOW WE MEASURED IN 2017:

- 12% of the existing meters were replaced; 6% additional meters installed
- The average operational cost of maintenance per meter was \$19.89.
- An average of 0.81% of re-reads were performed each month.

DIVISION FACTS

3 FTEs

- 8,547 Water Taps (Meters) Read Each Month
- 539 New Meter Installations
- 467 In-house Meter Upgrades
- 583 Outside (Pit) Meter Upgrades
- 548 Final Reads Performed
- 211 Turn On/offs Performed
- 980 Disconnection Notices Posted
- 832 Re-reads Performed
- 3,162 Service Work Orders
- 81 Hydrant Meter Check Out/In
- 10 In-House Water Monitor Meters Used
- 528 Final Building Inspections Performed

CAPITAL IMPROVEMENT & GENERAL PROJECTS

Some of the active projects in 2017 included:

- **NWRF CAPACITY IMPROVEMENT PROJECT:** Design and construction of improvements needed to increase the NWRF hydraulic, organic, and solids handling capacity, preparation of construction documents for the project, construction inspection, and permit work. This project improves the quality of water discharged to Boulder Creek and ensures adequate capacity.
- **WATER TREATMENT PLANT SOLIDS HANDLING EQUIPMENT & BUILDING:** Design and construction of a new building to house solids/sludge handling equipment and a powder activated carbon unit. This project also enhances treatment of drinking water and minimizes disruption to the wastewater treatment plant by reducing solids loading to that facility.
- **ZONE 3 WATERLINE CONNECTION:** Construction of a new water line that will provide system reliability and additional flow to the water tanks and connect a waterline in Cessna Dr.
- **WASTEWATER COLLECTION SYSTEM MASTER PLAN:** the Wastewater Collection system was in need of updating to incorporate recently constructed lines, and to update the plan for future development.
- **PARKING LOT IMPROVEMENTS:** Two parking lots at Town Hall were expanded and a new parking lot was added at the Erie Community Park off of Maxwell Street.
- **ERIE PARKWAY CORRIDOR STUDY:** The Town received Federal Funding to perform a corridor study for Erie Parkway from I-25 to State Highway 287. This study will help guide development and capital improvement projects along the corridor.
- **TRANSPORTATION MASTER PLAN UPDATE:** With the recent update of the Comprehensive Plan, the Transportation Master Plan is now being updated.
- **SECURITY UPGRADE AT TOWN FACILITIES:** Installation of security systems including card access and camera surveillance.
- **TOWN HALL REMODEL-SOUTH WING MAIN FLOOR:** The remodel included, re-constructing the Old Police area (south wing) into offices, the main entrance, making a noticeable entrance to Town Hall, and lighting upgrades, as well as new flooring and paint throughout the building.
- **XERISCAPE GARDEN PROJECT AT TOWN HALL:** The demonstration garden is planned to include a variety of low water usage plants, turf grass and irrigation techniques that can conserve water.

MORE 2017 ACTIVE PROJECTS...

- | | |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------|
| • Coal Creek ReUse Waterline | • Non-Potable Re Use System High Zone Pump Station and Storage Tank |
| • Concrete Maintenance Program | • Northern Integrated Supply Project (NISP) |
| • Design of Improvements to County Line Road between Austin to Erie Parkway | • Parking Lot Maintenance |
| • Design of Zone 2 Waterline Connection | • Pedestrian Underpass at Taxiway |
| • Drainage Facility Improvements | • SCADA System Master Plan |
| • Erie Parkway Bridge Design | • Sidewalk Connections at Meller Street and Erie Parkway |
| • Fleet Replacements | • Street Maintenance Program |
| • Flow Monitoring of Sanitary Sewer System | • Town Irrigation Pond Repair |
| • GIS Development Project | • Water Meters & Yoke Replacements |
| • Moffat Street Extension Design | • Windy Gap Firing Project |

COMMUNITY OUTREACH EVENTS

Our goals are to continually educate the public about what DPW is all about as well as keep everyone informed of events and construction that will affect our community. DPW posts regular NewsFlashes on happenings in the Town as well as hosting some special events throughout the year.

JANUARY 19, 2017 • ANNUAL PROJECTS & DEVELOPMENT OPEN HOUSE

Annual open house for all residents to come and see what developments and CIPs that are planned for the current year. This event held at the Erie Community Center, with staff on-hand to answer any questions.

APRIL 13, 2017 • WATER-WISE LANDSCAPE SEMINAR

The Water-Wise Landscaping Seminar presented by The Center for ReSource Conservation was a free seminar that explored various techniques to use in designing and maintaining your landscape that will promote the conservation of our natural resources. Through a little planning and the use of some innovative methods, you can learn how to use your landscape to help reduce energy and water use.

MAY 6, 2017 AND SEPTEMBER 9, 2017 • 12TH ANNUAL SPRING & FALL CLEAN-UPS

These events offered as a service to the Town of Erie residents allowing free disposal of large items at the landfill, donate gently used or unwanted items through Goodwill, document shredding, recycling of metal items and more.

MAY 21-27, 2017 • NATIONAL PUBLIC WORKS WEEK

The APWA hosts a National Public Works Week to recognize staff and educate residents on the services Public Works Departments provide. An employee appreciation picnic was also held.

AUGUST 26-27, 2017 • WATER QUALITY EVENT AT THE GREAT ERIE OUTDOORS ADVENTURE

The Keep It Clean Partnership attended the event to help educate Erie residents on storm water quality. For more information on how you can help prevent water pollution, visit www.keepitcleanpartnership.org.

DECEMBER 6, 2017 • MOFFAT STREET EXTENSION OPEN HOUSE

Town Staff and FHU hosted an open house at the Erie Community Center. Exhibits showing the conceptual alignment, enhancement elements and bridge profile provided to show location, content and a series of design options. Comment forms used to obtain input from the community.

TOURS OF WATER TREATMENT FACILITY AND NORTH WATER RECLAMATION FACILITY

With the state of the art technology at both facilities, Erie Staff provides tours to residents, schools, industry professionals and engineers interested in learning about what technology can offer.



COMMUNITY EVENT ASSISTANCE

Department of Public Works also assists various special events (street sweeping, traffic control and signage, set up and tear down) through the year including:

- Farmers Market
- Town Fair
- Erie Brewfest
- Downtown Neighborhood Block Parties
- Race Events: Colorado Firecracker 4k/4 mile, Rocky Mountain Kids Triathlon, Eerie Erie
- Miner's Blast
- Biscuit Days
- BOO! On Briggs Street
- County Christmas & Parade of Lights

FINANCIAL SNAPSHOT

DPW works with two different types of budgets: capital and operations. When the Town budgets for a capital project, we must include all costs related to that project in Year 1 of the project. These costs may include studies, conceptual design, construction, land acquisition/easements, etc. For a multi-year project, the money not spent in year 1 of the project is reallocated to the next year until the project is complete. Most capital projects average two to three years from conception to completion.

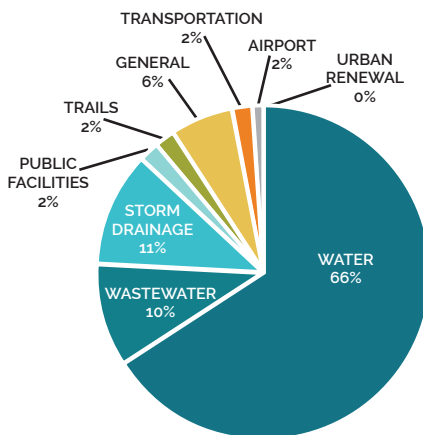
Operationally, the Department budgets using a zero-based approach using historical actual costs and projected costs for the subsequent year adjusted for cost escalations. As some funds are included for unforeseen items, such as a major water or irrigation break, mass snow storm, major equipment malfunction, and cost increases.

GRANTS

In 2017, the Town received grants from the Federal Aviation Administration (FAA) and Colorado Department of Aviation (CDOA) for improvements to the apron area at the Erie Municipal Airport.

PROJECT	FAA	CDOA	TOWN	TOTAL
Apron Rehabilitation	\$352,964	\$19,609	\$19,609	\$392,185

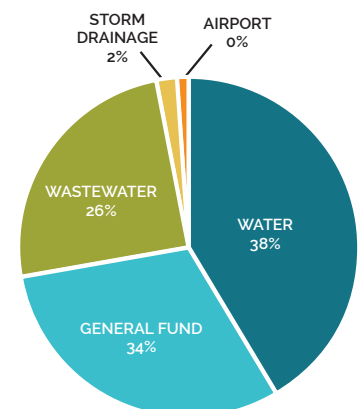
2017 CAPITAL IMPROVEMENT PROJECTS



2017 CAPITAL IMPROVEMENT PROJECTS						
FUND	BUDGETED		ACTIVE/SPENT		# COMPLETE	MULTI-YEAR PROJECTS
	# OF PROJECTS	AMOUNT	# OF PROJECTS	AMOUNT		
General	18	\$2,486,500	16	\$1,611,512	7	10
Water	31	\$23,653,500	20	\$18,030,427	10	24
Transportation	17	\$4,306,900	10	\$483,671	1	9
Public Facilities	5	\$1,419,700	4	\$459,439	2	4
Storm Drainage	13	\$6,491,100	8	\$3,164,105	0	13
Airport	2	\$839,900	2	\$401,862	1	1
Wastewater	8	\$4,174,700	5	\$2,749,633	0	8
Urban Renewal	1	\$172,200	1	\$6,181	0	1
TOTAL	103	\$46,894,800	73	\$27,523,510		

2017 OPERATIONAL EXPENDITURES

2017 PUBLIC WORKS BUDGET SUMMARY OPERATIONS			
FUND	BUDGETED	SPENT	% SPENT
General Fund	\$3,662,200	\$3,513,006	96%
Water	\$4,499,200	\$4,008,060	89%
Storm Drainage	\$384,500	\$219,914	57%
Airport	\$31,300	\$25,433	81%
Wastewater	\$3,145,100	\$2,688,208	85%
TOTAL	\$11,722,300	\$10,454,620	89%



INCENTIVES FOR YOU

CONNECT WITH US!

INTERACTIVE WEBSITE

Visit www.erieco.gov and select Notify Me to sign up to receive emails and/or text messages for project information. Select the "Service Request" button to report maintenance issues you notice around town.

ERIE STUFF - MOBILE APP

Download Erie Stuff - the Town of Erie's official mobile application to ask a question or report a problem. Visit www.erieco.gov/eriestuff for more information and links to download.

GIS MAPS & APPS

Did you know there are a variety of applications available specific to the Town of Erie services such as Adopt-A-Road, Cone Zone, My Services, and more?

You can find them at www.erieco.gov/maps.

SMART WATER METERS

Technology is constantly evolving. In 2016, the Town started a 10-year phased plan to upgrade all water meters to "SMART METERS". These smart meters allow users to monitor usage on a regular basis via the internet or download the Eye On Water application, identify potential problems such as high usage, and see results of their water conservation efforts. To learn more about Smart Meters, visit the Town's website at: www.erieco.gov/SmartMeters.

REPORT A STREET LIGHT OUTAGE

Street lights are owned and maintained by the power companies. The best way to get a street light outage repaired is for you to report it to the power company that you pay your bill to (United Power or Xcel Energy). To expedite the process, you should have the pole number and nearest intersection/street or cul-de-sac.

You can call or submit the request via their website:

UNITED POWER: 303-637-1350

<http://www.unitedpower.com/report-street-light-problems/>

XCEL ENERGY: 1-800-895-4999

https://www.xcelenergy.com/Outages_and_Emergencies/Report_Outage

ADOPT A ROAD PROGRAM: A partnership between the Town and residents/ businesses to keep the roadways clean. This program is simple: groups of individuals adopt a portion of a road and keep it clean of litter, graffiti and illegal dumping. DPW provides free cleaning supplies, trash pickup, and support for neighborhood clean ups and public recognition. For more information on how you can join this program, email George Hubert at chubert@erieco.gov.

CLEAN UP PROGRAM: Generally offered to residents one day in both the Spring (May) and Fall (September). Email Kris McDaniel at krismc@erieco.gov 303-926-2872 for more information.

- Free Disposal: Residents may take loads to the Front Range Landfill for free
- Donate Gently Used Home Supplies and Building Materials to Goodwill
- Document Shredding: Dispose of you unwanted documents to be shredded
- Prescription Take Back envelopes provided to mail in left over medication

HIGH EFFICIENCY WASHING MACHINE REBATES: DPW is offering 80, \$50 rebates for the purchase of a high efficiency washing machine for 2018. Just bring in, mail, or email a copy of your driver license/ID, original receipt, and most recent water bill along with an application to receive your rebate check in the mail. In 2017, the Town processed 83 rebates. Visit our website, www.erieco.gov/574/High-Efficiency-Washing-Machine-Rebates or Email Lyndsy at lwillette@erieco.gov for more information.

RESIDENTIAL IRRIGATION AUDITS: Ever wonder if you're using your water efficiently? There are a few ways for you to find out. Resource Central provides a FREE outdoor inspection to residents from June-August. During the inspection you will receive a customized watering schedule, learn do-it yourself sprinkler maintenance and be give tips on how to improve the efficiency of you sprinkler system to save water and money. Space is limited and appointments will be scheduled on a first come first serve basis. Sign up today to reserve your spot in this popular program by calling 303-999-3824, or register on line at www.ResourceCentral.org at any time.

"DO-IT-YOURSELF" KIT: This kit allows a resident to check out the kit at no cost and perform an audit on their current system. Kits are easy to check out and come with complete instructions. No experience required. Sign up by calling 303-926-2870 or visit the Public Works Office at Town Hall (645 Holbrook Street).

WATERWISE SEMINAR: A FREE Water-Wise Landscaping Seminar presented by Resource Central to explore various techniques to use in designing and maintaining your landscape that will promote the conservation of our natural resources. Through a little planning and the use of some innovative methods, you can learn how to use your landscape to help reduce energy and water use. Visit our website, www.erieco.gov/1295/Water-Wise-Seminars or Email Lyndsy at lwillette@erieco.gov for more information.

GARDEN IN A BOX: A selection of professionally designed perennial gardens comprised of Xeric (low water) plants, offers residents a simple approach to an eye-catching yard. These affordable, do it yourself garden kits come with starter plants, a Plant and Care Guide, and plant by number maps. Gardens are offered by the Town of Erie (in partnership with Resource Central) with \$25 discounts available while supplies last. To view the full garden collection, visit ResourceCentral.org/gardens. Contact Resource Central at 303-999-3820 x222 to register.

SUSTAINABILITY

Sustainability in Public Works is delivering services using methods that protects the environment, community and economic interests we all value.

PROGRAMS & EVENTS:

- » A **RECYCLING CENTER** is available in Historic Downtown Erie, open 24 hours to all Erie Residents. The Recycling Center accepts commingled containers and mixed paper and is. More information: www.erieco.gov/recycling
- » Annual **SPRING AND FALL CLEAN UP** events provide a no-cost opportunity for residents to recycle and donate unwanted items to a non-profit organization, shred documents, free access to the landfill, and free envelopes to dispose of unused/unwanted household medications.
- » There are several **WATER CONSERVATION** opportunities that encourage our residents to participate in conservation efforts:
 - High Efficiency Washing Machine Rebate
 - Irrigation System Maintenance Tips
 - Homeowner's Waterwise Landscaping Manual
 - Outdoor Irrigation Consultations
 - Indoor Water Consultation Program
 - Water-Wise Seminars
 - Irrigation Audit Kits
 - Garden In A Box
- » The Town started a 10-year phased plan in 2016 to upgrade all water meters to "**SMART METERS**". These smart meters will allow users to monitor usage on a regular basis, identify potential problems/high usage, and see results of their water conservation efforts.
- » The Town is working with Xcel Energy to change out street lights in selected areas within Xcel's territory to **LED LIGHTS**.
- » **LED CHANGE OUTS AT ECC and NWRF:** As being good stewards the Town has continued to replace light fixtures, metal halide and florescent bulbs with LED fixtures and bulbs in the ECC's racquetball courts, parking lot and NWRF exterior wall packs.
- » **PARTNERS IN ENERGY (PIE):** The Town began working with Xcel Energy in 2017 developing an Energy Action Plan. Once adopted, it will serve as a guide with tangible steps for the Town of Erie to support the community in reaching its energy efficiency and renewable energy goals.

SUSTAINABLE DESIGN:

Public Works strives for a sustainable design for both the short and long term.

- » Strategically look at all **ROADS** and use the best applications to maintain the Remaining Service Life (RSL), in the most cost efficient manner.
- » Our **WATER TREATMENT FACILITY** efficiently treats water to the highest standards.
- » Our North Water Reclamation Facility (NWRF) treats waste water to be environmentally safe. **SOLIDS** removed at the NWRF are **UTILIZED AS SOIL AMENDMENT AND FERTILIZER** by local contractors and treated effluent is recovered and reused for irrigation within the town.
- » **SOLAR THERMAL SYSTEM** installed at the Erie Community Center. This system consists of 70 4'x10' roof-mounted hydronic solar collectors. The collectors pre-heat the water before it reaches the gas-filled water heaters.
- » **PHOTOVOLTAIC (PV) SOLAR ARRAY** installed at the Leon A. Wurl Service Center. The ballasted roof-mounted PV system provides a clean power source; provides long-term cost benefits for the Town and its citizens. When electricity is generated which is not used directly by the Leon A. Wurl Service Center, the meter will "spin backwards". The Town will be paid for the energy production when it exceeds usage demands.
- » **GRADER** is equipped with the T4 motor that meets all the new emission standards.
- » All new plow trucks are equipped with 9.3-liter diesels fitted with **SELECTIVE CATALYTIC REDUCTION EMISSIONS-AFTER TREATMENT EQUIPMENT**. Factory testing shows the products are delivering up to 8% better fuel economy than the previous engines.
- » Replacing our older vehicles heavy equipment with the newer models were able to **INCREASE FUEL ECONOMY** and produce **LESS EMISSIONS**.
- » Fleet purchased a Toyota RAV 4 **HYBRID VEHICLE** in 2017.
- » NWRF Blower automation **SAVES SIGNIFICANT ELECTRICAL ENERGY**, by only providing exact amount of air needed to meet treatment goals.
- » NWRF Reuse System Operations for irrigation **REDUCES POTABLE WATER NEEDS** for open space and common areas within developments.

GET TO KNOW US...

ADMINISTRATION, ENGINEERING, AND FACILITIES STAFF (18 FTES)

Gary Behlen – Public Works Director: 13 years
Russell Pennington – Deputy Public Works Director/Town Engineer: 9 years
Todd Fessenden – Deputy and Public Works Director: 1 year
Raelynn Ferrera – Project Coordinator/Facilities
& Special Projects Manager: 17 years
Lyndsy Willette – Administrative Specialist: 2 months
Wendi Palmer – Civil Engineer: 19 years
Matt Wiederspahn – Development Engineer: 4 years
Chad Schroeder – Development Engineer – 7 months
Jason Mraz – Construction Inspector: 4 years

Chuck Norris – Construction Inspector: 1 year
Jennifer Woodward – GIS Coordinator: 5 months
Jesse Ascunce – GIS Technician: 1 year
Eric Banker – Facility Operation Services Supervisor: 6 months
Robyn Fulton – Custodian: 24 years
Chris Holland – Facilities Maintenance Tech: 4 years
Paul Shea – Facilities Maintenance Tech: 9 years
Rich Noterman – Facilities Maintenance Tech: 9 months
Santos Marungo – Facilities Maintenance Tech: 9 months

OPERATION & MAINTENANCE STAFF (23 FTES)

Jody Lambert – Operations & Maintenance Division Manager: 28 years
George Hubert – Assistant Operations and Maintenance Manager: 21 years
Kris McDaniel – PW Admin Coordinator / Budget
& Project Coordinator: 19 years
Rich Lucas – Mechanic / Lead Fleet Mechanic: 12 years
Keith Raper – Fleet Maintenance Tech: 8 months
Cory Weiner – Streets & Meters Maintenance Supervisor: 9 months
Scott Brown – Distribution & Collection Maintenance Supervisor: 5 months
Mike Dallas – Streets Maintenance Tech: 12 years
Scott Satak – Distribution & Collection Maintenance Tech: 4 years
Joseph León – Streets Maintenance Technician: 2 year
Barb Dankowski – Meters Maintenance Tech: 19 years

Chris Biggs – Meters Maintenance Tech: 9 months
Mike Seele – Streets Maintenance Tech: 1 year
Vince Cereceres – Distribution & Collection Maintenance Tech: 2 years
Joey Fiolkoski – Distribution & Collection Maintenance Tech: 1 year
Ron Lewis – Distribution & Collection Maintenance Tech: 1 year
Connor Conilogue – Streets Maintenance Tech: 9 months
Tony Marino – Streets Maintenance Tech: 9 months
Jacob Reider – Streets Maintenance Tech: 9 months
Robert Halbert – Distribution & Collection Maintenance Tech: 9 months
Travis Encinias – Meters Maintenance Tech: 7 months
Gabe Gallegos – Distribution & Collection Maintenance Tech: 4 months
Darby Crandall – Distribution & Collection Maintenance Tech: 3 months

WATER/WASTEWATER FACILITIES STAFF (10 FTES)

Bruce Chameroy – Chief Water Treatment Facility Operator: 6 years
Jon Coyle – Chief Water Reclamation Facility Operator: 5 years
Deb Langerak – Water Reclamation Facility Technician: 21 years
Troy Vilhauer – Water Reclamation Facility Technician: 13 years
Elliott Fulton – Water Treatment Facility Technician: 14 years

Amber Rehfeld – Water Treatment Facility Technician: 13 years
David Burke – Water Treatment Technician: 4 years
Kyle Keller – Water Treatment Facility Technician: 1 year
Mike Soukup – Water Reclamation Maintenance Technician: 3 years
Jimmy Moffitt – Water Treatment Maintenance Technician: 2 year

**TOTAL:
51 FTEs with over
310 years of
experience with the
Town!**



WHAT'S COMING IN 2018...

NATIONAL PUBLIC WORKS WEEK: Observed annually the third week of May each year, NPWW is a celebration of the men and women who provide and maintain the infrastructure and services collectively known as Public Works. Since 1960, American Public Works Association (APWA) has sponsored National Public Works Week. Across the nation, the 29,000 members use this week to energize and educate the public on the importance of the contribution of public works to their daily lives: planning, building, managing and operating the heart of our local communities and building the quality of life.

CLEAN UP DAYS: DPW to host the 13TH annual Clean Up Days at the Landfill and the Leon A. Wurl Service Center in May and September. These events are offered as a FREE service to Town of Erie residents allowing disposal of items at no expense at the landfill and donate gently used items, left-over prescription drugs and shredding at the Service Center. DPW Staff will assist residents with directions and confirming residency.

2018 CAPITAL IMPROVEMENT PROJECTS:

COUNTY LINE ROAD – AUSTIN TO ERIE PARKWAY: Construct the widening of County Line Road from 2 to 4 lanes and add left and right turn lanes, add curb gutter, sidewalks, storm drainage, and street lights.

COLLIERS HILL/HISTORIC ERIE CONNECTION: Design a new connection to Historic Downtown Erie from Colliers Hill. Design will include permitting for crossing RTD's railroad tracks, an irrigation ditch and Coal Creek.

ERIE PARKWAY AND WCR 7 INTERSECTION: Evaluation and design of intersection. It is anticipated that intersection safety improvements and possibly a traffic signal will be required in the near future at this intersection.

NWRF EXPANSION & FACILITY MASTER PLAN: Design and construction of an expansion to the North Water Reclamation Facility from 1.95MGD to roughly 3.0 MGD. The Town will also create a 20-year Master Plan for facility upgrades and regulatory compliance.

PRINCE LAKE #2 & 111TH IMPROVEMENTS: The Town will partner with Urban Drainage and Flood Control District (UDFCD) to design and construct improvements to enlarge an existing roadside drainage way, add drop structures, roadway crossings and improvements to a reservoir to add storm water detention.

SNOW REMOVAL EQUIPMENT BUILDING AT THE AIRPORT: Design complete, construction of a new building to house snow removal equipment will begin.

VISTA PARKWAY REPAIR: Assess and repair portions of Vista Parkway for ride ability.

WATER TREATMENT FACILITY EXPANSION: Evaluate and design an expansion for the Water Treatment Facility to equip the existing water plant with additional microfiltration modules and upgrade pretreatment capacity.

TRAFFIC SIGNAL UPGRADES: Two projects to upgrade existing signal heads, control cabinets, and signal communication program allowing Staff to troubleshoot and adjustment remotely, reducing contract troubleshooting needs.

XERISCAPE GARDEN: Design and construction of a demonstration garden at Town Hall intended to display ways residents can change their landscaping to conserve water with a variety of xeriscaping plants and turf grass.

ZONE 4A WATER TRANSMISSION PIPELINE: Construct a new line to Zone 4A (Arapahoe Ridge). The Town will work with the Flatiron Meadows for a portion of this line and the remainder will be designed and constructed by the Town.



Photo Credit: David Besnette



Town of Erie | Town Hall
Department of Public Works
 645 Holbrook Street | PO Box 750
 Erie, CO 80516
 303-926-2870
www.erieco.gov

Erie Community Center

450 Powers Street
 Erie, CO 80516
 303-926-2550

Erie Police Station & Municipal Court Building

1000 Telleen Avenue
 Erie, CO 80516
 303-926-2880

Leon A Wurl Service Center

150 Bonnell Avenue
 Erie, CO 80516
 303-926-2872

Lynn R Morgan Water Treatment Facility

2901 N 119th Street
 Erie, CO 80516
 303-926-2860

North Water Reclamation Facility

501 State Highway 52
 Erie, CO 80516
 303-926-2876

South Water Reclamation Facility

1000 Briggs Street
 Erie, CO 80516
 303-926-2897