

TOWN OF ERIE
DEPARTMENT OF PUBLIC WORKS
ANNUAL REPORT



- AIRPORT
- CONSTRUCTION
- ENGINEERING
- MAINTENANCE
- PLANNING
- SEWER
- STORM
- STREETS
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- WATER
- WATER RECLAMATION
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FOR THE YEAR 2015



LETTER TO THE COMMUNITY

GARY W. BEHLEN | DIRECTOR OF PUBLIC WORKS

This Department of Public Works (DPW) Annual Report to the community highlights the key accomplishments of 2015 and a preview of what's to come in 2016.

The Department of Public Works (DPW) consists of 41 Full time Equivalent (FTE) employees in various divisions including: **ADMINISTRATION, ENGINEERING, FACILITIES MAINTENANCE, DISTRIBUTION/ COLLECTION/STORM DRAINAGE MAINTENANCE, FLEET MAINTENANCE, STREETS MAINTENANCE, WATER METERS, WATER TREATMENT, and WASTEWATER TREATMENT.** I am proud of how we as a team have faced the changes and challenges of our growing community with enthusiasm and professionalism.



Several major projects were started and completed in 2015 including:

- ✓ Erie Police Station and Court Facility – opened Fall 2015
- ✓ 4 Million Gallon Potable Water Tank – completed February 2015
 - The \$3.9 million storage facility was constructed adjacent to the Town's existing 1.5-million gallon tank located northeast of Vista Ridge and the Colorado National Golf Club. The tank holds potable water to serve the Town's Zone 3 customers that includes the following neighborhoods: Vista Ridge, Vista Pointe, Orchard Glen, Canyon Creek, Colliers Hill and Compass.
- ✓ 3/4 access for the Highway 7 and Mountain View commercial area, off of Highway 7
- ✓ Erie Lake By-Pass Pipeline – completed 2015
 - This pipeline allows us to provide the Water Treatment Facility with non-potable water directly without mixing with the lake water. This will help with our operations and eliminates possible taste and odor issues that occur sometimes in our reservoirs.

A lot of time and effort is spent to keep our streets clear and the traffic flowing during the winter months. That is why once again this year our crews have been out in full force for each snow event. We had 21 snow events with a total of 54.25 inches of snow in 2015. We plowed 20,996 miles of road; used over 494 tons of ice slice and our crews logged over 1,973 hours.

We are also expanding our GIS capabilities and have successfully developed or assisted with the development of applications for residents and Erie businesses. If you have not done so already, please download Erie Stuff or many of the interactive maps available through the Town's website.

The Water Treatment and Wastewater Treatment Divisions currently serve over 7,600 residential and over 150 commercial customers. 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. This next year we will be looking at all our capital projects, maintenance responsibilities and begin developing an asset management process with a focus on sustainability.

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,

Gary W. Behlen
Director of Public Works

ADMINISTRATION

The Public Works Administration Division directs and manages the Department to align with the vision, values and mission of the Town. Administration also participates in the Capital Improvement Plan 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, CDOT, DRCOG, FEMA, and Transportation coalitions and surrounding municipalities.

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 \$10,000 require Board of Trustees action. Our acceptable range is between 50 - 100 agenda items requiring action.

HOW WE MEASURED IN 2015:

- Spent 85% of the operational budget and 36% of the capital budget allocated.
- Presented 86 action agenda items and 29 staff items.



DIVISION FACTS

5.5 FTEs (incl O&M)

Board of Trustees Agenda Items:

- 115 items Total
 - » 49 Consent Items
 - » 3 Ordinance Items
 - » 0 Presentation Items
 - » 1 Proclamation Item
 - » 25 Resolution Items
 - » 8 General Business
 - » 29 Staff Items

ENGINEERING

Engineering has 7 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 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, a certified GIS Professional, 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.

- **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, 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 and sanitary), traffic, erosion control, and checks for conformance with the Town's Standards and Specifications for Design and Construction of Public Improvements.

- **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.

DIVISION FACTS

7 FTEs

- 83 Development Referrals
- 14 Sets of Construction Plans Accepted
- 9 Public Improvement Permits for Developments Issued
- System Architecture Design and Implementation of ArcGIS Server in the Cloud
- Centralized Town-wide GIS repository
- Integration with GIS and Tyler Energov, the Town's chosen Permitting and Land Management system
- Developed 29 internal & external web/mobile mapping applications
- Developed a Portal (Maps & Apps) – for broad use of GIS across organization/citizens
- Staff worked with Urban Drainage to obtain \$157,550 in storm maintenance work
- Staff managed 40 consultants throughout the year

PERFORMANCE MEASURES

- To assist with the workload, the Engineering Division may send a submittal out for an external review (reimbursed by the Developer). Our acceptable range for external review costs is between \$50,000 - \$75,000.

HOW WE MEASURED IN 2015:

- The Department of Public Works spent \$8,044 on external review.

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. The Town has owned the airport since 1994. 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, Public Work 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).

Planning, design, and projects efforts receive federal (FAA) and state (CDOA) grants, which are in turn funded by ticket tax of air carrier passengers and aviation fuel taxes across the state and country. In essence, the local, state and national aviation system is predominately financed by user fees.

Under the current federal airport funding program, the Town of Erie has accepted over \$5.5 million in FAA funds since 1994. The current FAA authorization allocates \$150,000 of entitlement funds annually to the Erie Municipal Airport. The Town also is eligible to receive discretionary funds for certain airfield safety projects, based on availability of funds and the needs of other airports in the national airport system.

FAA funds are reimbursable grants. As an airport sponsor, the Town of Erie is responsible for contributing local matching funds for an FAA project. At airports served by general aviation aircraft, such as Erie Municipal Airport, the local match is 10%. The Colorado Department of Transportation (CDOT) through the CDOA will automatically pay 5%, thus making the Town's actual matching contribution 5%.

The CDOA administers the Colorado Discretionary Grant Program and not only pays for the 5% match for the FAA Grants; they offer their own grants which are funded by aviation fuel taxes within Colorado. For grants that are only state grants, the Town's contribution is 20%.

No general fund money from the Town is used to operate or maintain the airport.



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:

- 191 Based Airplanes (173 single-engine, 9 multi-engine, two jets, and 7 helicopters)
- 46,520 estimated operations
- AWOS for real time weather info
- Two 12,000 gallon fuel tanks serving Jet A and 100 LL Fuel

FACILITIES

Facilities Maintenance Division has 5 FTEs that provide general maintenance and custodial services for all Town-owned facilities. General maintenance duties are performed in-house, while specialized maintenance, such as elevator inspections/repairs, HVAC preventive maintenance/major repairs, pest control and annual state inspections are contracted out. In 2015, 1,466 work orders were completed.

Facilities Maintenance Technicians provide maintenance for 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).

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 one full-time custodian.

PERFORMANCE MEASURES

- Custodial services for LAWSC, Town Hall and ECC are contracted out. Janitorial services for all other facilities are performed by one full time custodian. The acceptable range 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 2015:

- The cost per square foot for custodial services was \$0.93.
- The cost for maintenance per square foot was \$4.23.

FLEET MAINTENANCE

PERFORMANCE MEASURES

- With one mechanic, the acceptable range for 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 within 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 or fluids).

HOW WE MEASURED IN 2015:

- 82% of work orders were completed in house while 18% were contracted.
- 9% of the fleet was replaced.
- Average maintenance cost per vehicle was \$1,164.77 and equipment was \$1,881.32 (not including fuel).

Fleet Maintenance Division has 1 FTE who maintains the Town's fleet of 52 vehicles in the Administration, Community Development, Parks & Recreation, Police and Public Works departments. The division also maintains 39 pieces of heavy equipment for Public Works and Parks. Maintenance is provided through a combination of in-house and contract maintenance. There are 24 units that are snow plow capable. This includes five large dump trucks, five pickups with v-plows, three pickups with straight plows, one loader, one motor grader, two backhoes, three skidsteer type units, one 4-wheeler with plow, and one Toro mower with v-plow. Some units are only used on trails and sidewalks.

Fleet uses a tracking system for expenses incurred with any unit. This allows us to complete an analysis each year for replacement criteria. If a unit meets two of the three criteria (age, mileage/hours, maintenance cost) then the unit is requested to be replaced. In 2015, 7 units were replaced and 2 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 to engine, brakes, electrical, tires, etc., are completed in-house. Major repairs such as transmission replacement, engine rebuild, body repairs, etc., are contracted out. There were 521 work orders processed in 2015. The Service Center also serves as a fueling station for Town vehicles and equipment.

STREET MAINTENANCE

Streets Division maintains all public paved and unpaved 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 all street sign blades and 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: All Town streets are swept in the spring and fall. Additional sweeping is performed throughout the year as needed.

SIDEWALK MAINTENANCE: DPW 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: DPW 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/repared on a regular basis.

STREET RESURFACING: DPW uses a 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: DPW 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. If the accumulation is 12-inches or more and expected to remain for several days, 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.

DIVISION FACTS

3.25 FTEs

- 133.3 Miles of Paved Streets (11.7% Arterial, 30.7% Collector, 57.6% Local)
- 1.05 Miles of Roads Rehabilitated
- 1,318 LF of Curb & Gutter Replaced
- 1,394 SF of Combination Curb/Gutter Sidewalk Replaced
- 930 Curb Miles Swept
- 1,745 Signs Maintained
- 158 Signs Installed
- 215,177 LF of Roads Striped
- 891,356 LF of Paint Applied
- 32,945 SF of Road Surfaces Asphalt Patched
- 61,710 lbs of Asphalt Used for Pothole Repairs
- 63,585 lbs of Crack Sealant Material Used
- 17 Miles of blading for dirt roads
- 457 tons of road base/recycled asphalt used for alley and shoulder maintenance
- 21 Snow Events totaling 54.25"
- 494 Tons of Ice Slice Applied to Roadways
- 20,996 miles (average of 1,000 per event) plowed in 1,973 hours (average of 94 per event)

PERFORMANCE MEASURES

- Each segment of roadway has a Remaining Service Life (RSL). The 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 2015:

- RSL between 0-5 years is 2.6%; 5-10 years is 73.3%; 10-15 years is 6.3%; 15-20 years is 17.8%. Average is 10.75%.
- The average cost is maintenance per mile was \$7,879.48.
- The average cost of rehabilitation per mile was \$356,310.69.

DISTRIBUTION, COLLECTION & STORM DRAINAGE MAINTENANCE

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

HYDRANT MAINTENANCE: DPW flushes water main 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 sediment in water mains to work its way out of the system. The best way to do this task is by directional flushing. DPW also routinely repaints the hydrants.

LOCATES: If you are performing any work in your yard requiring you to dig, you have to call Colorado 811 at 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. DPW will locate the water services up to the meter pit and the other companies will locate their utility as needed.

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

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 efficient and most effective method to inspect the internal condition of a sewer. Visual inspections of manholes and pipelines are also vital in fully understanding the condition of a sewer and storm drainage system.

DIVISION FACTS

5.5 FTEs

- 149.46 Miles of Water Lines
- 1,074 Total Fire Hydrants
 - » 17% in-house Painted
 - » 0% Contract Painted
 - » 100% Flushed
- 3,814 Water System Valves, 19% exercised
- 274 Water Control Valves
- 4 Water Line breaks
- 6,262 Locates Requested
- 100.84 Miles of Sanitary Sewer Lines
 - » 6% Cleaned
 - » 0% Video Inspected
- 2,788 manholes – 4% inspected
- 0 sewer main line breaks
- 49.7 Miles of Storm Drainage Lines – 2% video inspected
- 1,043 storm drainage inlets – 11% maintained

PERFORMANCE MEASURES

- When a locate request is received, the Town has 72 hours to respond. Our acceptable range is within 24-36 hours.
- 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 2015:

- 100% of locates were performed in the acceptable range.
- Leak detection was performed on 5% of the distribution system.
- Camera inspections were performed on 0% of the sanitary sewer system.
- Camera inspections were performed on 2% of the storm sewer system.
- The average operational cost of maintenance per mile of water line was \$1,572.
- The average operational cost of maintenance per mile of sanitary sewer line was \$1,415.
- The average operational cost of maintenance per mile of storm sewer line was \$3,579.

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 regarding storm water. The primary goal of the Keep it Clean Partnership is to implement a regional stormwater management program, not only to comply with the federal Phase II stormwater regulations, but to also 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.

WATER TREATMENT

Water Treatment Division operates and maintains the 9.9 million gallons 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 pretreatment facility, pump stations, interconnects, water storage facilities, and local 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 laboratory conducts daily testing to ensure top quality drinking water. Staff monitors drinking water according to federal and state laws. We are proud that Erie meets and exceeds all federal and state drinking water standards with no violations. Erie continues to meet increasingly high water quality standards in a cost-effective manner for the citizens of Erie. Water Treatment Facility Staff also monitors and maintains our local reservoirs to insure water quality.

The Water Treatment staff's goal is to provide top quality, safe, dependable water in ample quantity 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.

The Water Treatment staff works closely with Administration and Engineering on Capital Improvement project needs. In 2015 the major projects included completion and startup of a new 4MG finished water storage tank, an Erie Lake raw water bypass line, raw water pump station upgrades, and granular activated carbon (GAC) reactivation.

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 2015:

- 5 water taste/odor complaints were received.
- Average treatment operating cost per thousand gallons was \$1.03.

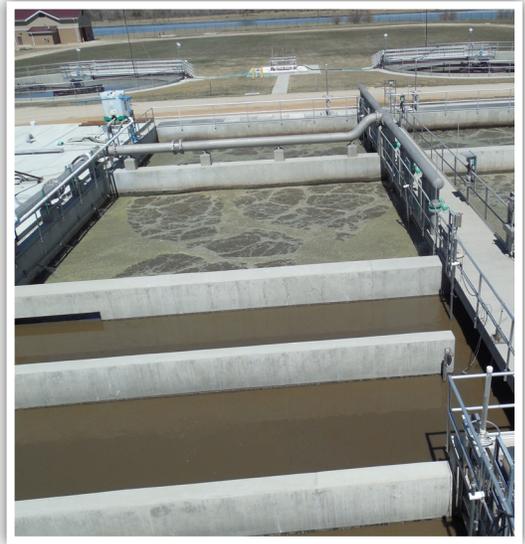


DIVISION FACTS

6 FTEs

- 9.9 MGD Water Treatment Capacity
- 2.75 MGD Average Daily Flow
- 6.89 MGD Average Peak Flow
- 1,007.96 MG Treated
- 7,561 Water Taps
- 133,310 Gallons Treated Per Tap

WASTEWATER TREATMENT



Wastewater Treatment Division operates and maintains a multi-awarded 1.5 million gallons per day (mgd) North Water Reclamation Facility (NWRF). All of the wastewater from residential and commercial customers is treated using the Integrated Film Activated Sludge (IFAS) technology.

Our goal is to operate the NWRF as a good neighbor, minimize odors, and return the treated effluent to the creeks while meeting all state and federal standards. Many tours have been given to various entities 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 components making up the facility. Laboratory staff conducts testing to monitor compliance with Colorado Department of Public Health and Environment (CDPHE) and United States Environmental Protection Agency (USEPA) discharge requirements as well as meeting discharge permit limits.

In preparation of the future, the Town has a 1,000 acre-foot (326 million gallons) reuse water reservoir that will be used for irrigation of future areas. This will allow the Town to conserve valuable potable water.

DIVISION FACTS

5 FTEs

- 1.6 MGD South Wastewater Treatment Capacity
- 1.5 MGD North Wastewater Treatment Capacity
- 1.19 MGD Average Daily Flow
- 1.61 MGD Average Peak Flow
- 432.6 MG Treated
- 6,912 Sewer Taps
- 62,587 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 2015:

- 0 odor complaints were received.
- Average treatment operating cost per thousand gallons was \$2.85.

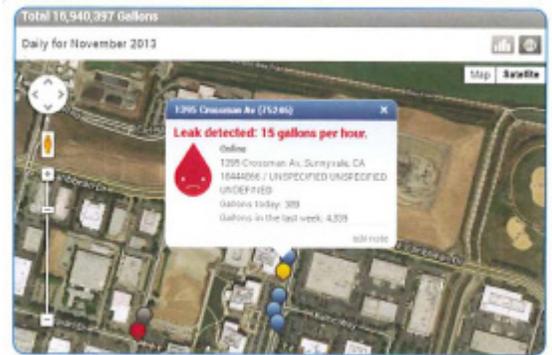
METERS

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 receives 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.

If you call in a concern to Utility Billing, they issue a work order to the tech. 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 card will be posted if the meter pit is not accessible (i.e. landscaping, etc) and a yellow card is posted with the results of an investigation requested for usage.

Technology is constantly evolving. The Town is starting 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, identify potential problems/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 5% to 10%.
- The acceptable range for operational maintenance cost per meter is between \$10.00 to \$20.00.
- The DPW 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 2015:

- 10% of the existing meters were replaced.
- The average operational cost of maintenance per meter was \$18.69.
- An average of 0.19% of re-reads were performed each month.

DIVISION FACTS

2 FTEs

- 7,561 Water Taps (Meters) read each month
- 377 New Meter Installations
- 54 In-house Meter Replacements
- 719 Outside (Pit) Meter Replacements
- 783 Final Reads Performed
- 296 Turn On/offs Performed
- 1,660 Disconnection Notices Posted
- 172 Re-reads Performed
- 2,724 service work orders
- 111 hydrant meter check out/in
- 18 In-house water monitor meters used

CAPITAL IMPROVEMENT & GENERAL PROJECTS

Some of the active projects in 2015 included:

- **4MG WATER STORAGE TANK:** Construction of an additional above-ground treated water storage tank for Zone 3.
- **COAL CREEK TRAIL – BONNELL CONNECTION:** Design and construction of a trail and pedestrian bridge to connect the existing trail on the east side of Coal Creek with the trail and sidewalk system on the west side of Coal Creek.
- **ERIE LAKE BY-PASS:** Construction connected the existing 36-inch non-potable waterline on the west side of State Highway 287 with existing 24-inch and 16-inch non-potable waterlines providing a direct connection to the Water Treatment Facility. This line will also provide a direct connection to Erie Lake, bypassing the pre-pond. The Construction was substantially complete in 2015.
- **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.
- **GRANDVIEW DRAINAGE IMPROVEMENTS:** Design of improvements within Grandview was done after the August 2013 rain storm. The improvements included areas that the Town is responsible for and areas that the HOA are responsible for. The Town's improvements have been completed.
- **AUSTIN AVENUE CONNECTION:** Design of a new water line that will provide direction connection to Erie Commons that is currently served using pressure reducing valves (PRVs).
- **COUNTY LINE ROAD - BONNELL TO TELLEEN:** Design of improvements to County Line Road between Bonnell to Erie Parkway as Phase I.
- **COUNTY LINE & AUSTIN INTERSECTION:** Design of improvements and signal deisgn for the County Line Road/Austin Avenue intersection in conjunction with CLR improvements design.

MORE 2015 ACTIVE PROJECTS...

- Airport Drive Waterline Replacement
- Airport Master Plan Update
- Airport Road Access Study
- Boulder Creek Improvements
- Cemetery Fence Installation
- Central Irrigation Controllers
- Coal Creek Improvements
- Coal Creek – County Line to Kenosha
- Coal Creek Reuse Waterline
- Collection System Rehabilitation
- Concrete Maintenance Program
- Drainage Channel Improvements
- Drought Mitigation Plan
- Erie Lake Dam Stabilization
- Fleet Replacements
- GAC Column Regeneration
- GIS Development Project
- Mag Tank Purchase
- New Water Supply Reservoir
- Non-Potable Waterline Improvements Phase 1
- Northern Integrated Supply Project (NISP)
- Parking Lot Maintenance
- Pedestrian Underpass at Taxiway
- Public Safety Facility
- Pump Station Upgrades
- Service Center Yard Expansion
- South Coal Creek Sanitary Sewer Line
- South Water Reclamation Facility Modifications
- State Highway 7 Sidewalk
- Street Maintenance Program
- Storage Facility for Rec Equipment
- Town Hall Remodel
- Transportation Safety Plan
- Vista Ridge Commercial Access Improvements
- Vista Parkway Bridge Repair
- Water Conservation Plan Update
- Water Meters & Yokes
- Weld County Road 5 Bridge Repair
- Wind Sock and Segmented Circle
- Windy Gap Firming Project
- Xeriscape Landscaping at the Water Treatment Facility

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 14, 2015 • 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 was held at the Erie Community Center, with staff on-hand to answer any questions.

MARCH 2015 • STUDY WITH UNIVERSITY OF COLORADO STUDENTS

Coordinated study with the Senior Engineering students regarding taste and odor improvements for Erie Lake.

APRIL 21, 2015 • 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 2, 2015 • 10TH ANNUAL SPRING CLEAN-UP

This event was 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 17-23, 2015 • 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. DPW provided tours of the Water Treatment Facility, North Water Reclamation Facility and Leon A. Wurl Service Center for all to learn the processes through each facility. Tours were available to residents, Town Staff and Board Members, and students of both Peak to Peak and Erie Elementary. An employee appreciation picnic was also held.

AUGUST 29, 2015 ANNUAL WATER QUALITY EVENT AT THE GREAT OUTDOORS ACTIVITY

The Keep It Clean Partnership attended the event to help educate Erie residents on water quality. For more information on their new PiNK campaign, visit <http://www.keepitcleanpartnership.org>.

SEPTEMBER 5, 2015 • 10th ANNUAL FALL CLEAN-UP

This event was 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.

TOURS OF WATER TREATMENT FACILITY AND NORTH WATER RECLAMATION FACILITY

With the state of the art technology at both facilities, Erie Staff provides tours for those interested in learning about what technology can offer. In 2015, tours were given to:

- Brownie Troop
- Erie Active Seniors
- Erie High School Environmental Studies
(Tour and Water Source presentation at school)
- Town of Hudson
- JVA Engineering
- City of Lafayette
- City of Northglenn Wastewater
- Town of Wheatland, Wyoming
- Widefield Sanitation

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
- Concerts in the Park
- Erie Brewfest
- Extravaganza at CNGC
- Race Events: Firecracker, Rocky Mountain Kids Triathlon, Eerie Erie
- County Christmas & Parade of Lights

FINANCIAL SNAPSHOT

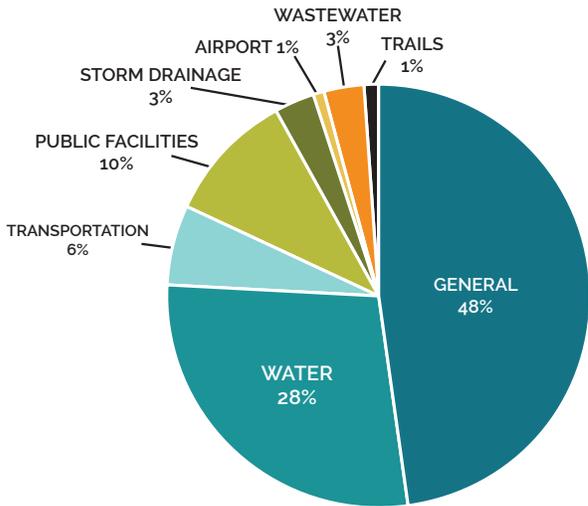
DPW works with two different types of budgets: capital and operations. When the Town budgets for a capital project, we must include all costs related to that project in Year 1 of the project. These costs may include studies, conceptual design, construction, land acquisition/easements, etc. For a multi-year 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 top-down approach with historical actual costs and projected additional items for the subsequent year. As with your household budget, some money is included for unforeseen items, such as a major water or irrigation break, new events, mass snow storm, major equipment malfunction, and cost increases.

GRANT:

ORGANIZATION	PROJECT	GRANT RECEIVED
Denver Regional Council of Government (DRCOG) Transportation Improvement Program (TIP)	Erie Parkway Study	\$160,000
TOTAL		\$160,000

2015 CAPITAL IMPROVEMENT PROJECTS



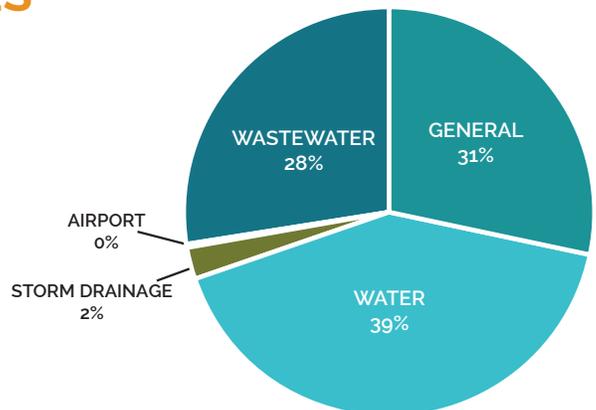
2015 CAPITAL IMPROVEMENT PROJECTS				
FUND	BUDGETED		ACTIVE/SPENT	
	# OF PROJECTS	AMOUNT	# OF PROJECTS	AMOUNT
General	14	\$6,429,900	14	\$5,863,746
Water	31	\$10,814,100	20	\$3,395,747
Transportation	12	\$3,212,900	7	\$772,314
Public Facilities	7	\$1,297,000	7	\$1,207,319
Storm Drainage	13	\$4,410,200	7	\$302,224
Airport	5	\$436,300	3	\$106,399
Wastewater	5	\$6,779,000	7	\$406,678
Trails	2	\$446,500	2	\$78,158
TOTAL	89	\$33,825,900	67	\$12,132,584

36% of the capital budget expended

2015 OPERATIONAL EXPENDITURES

2015 PUBLIC WORKS BUDGET SUMMARY		
OPERATIONS		
FUND	BUDGETED	SPENT
General Fund	\$3,063,500	\$2,819,041
Water	\$4,443,200	\$3,526,713
Storm Drainage	\$291,400	\$221,689
Airport	\$29,400	\$26,168
Wastewater	\$2,936,200	\$2,540,317
TOTAL	\$10,763,700	\$9,133,928

85% of the operational budget expended



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.

MOBILE APP

Download the Citizen Request Tracker application and you can report items you see needing attention. This app uses GPS and the camera to collect all the information quickly.

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, contact George Hubert at 303-926-2889.

CLEAN UP PROGRAM: Generally offered to residents one day in both the Spring (May) and Fall (September). Contact 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 your unwanted documents to be shredded

HIGH EFFICIENCY WASHING MACHINE REBATES: DPW offered \$50 rebates for the purchase of a high efficiency washing machine. Just bring your license, original receipt, and most recent water bill along with a brief application to receive your rebate check in the mail. In 2015, the Town processed 90 rebates. The program will continue in 2016. Contact 303-926-2870 for more information.

IRRIGATION AUDITS: Ever wonder if you're using your water efficiently? There are a few ways for you to find out. Center for ReSource Conservation provides a FREE sprinkler 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 your 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.conservationcenter.org at any time.

DPW has a "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).

INDOOR WATER CHECK-UPS: Center for ReSource Conservation provides FREE indoor water check-ups from March to May, then September to December. The indoor water check-ups include evaluation of inside water use and water fixtures in each home, and an offer to install at least two aerators and one low-flow showerhead. Sign up today to reserve your spot in this popular program by calling 303-999-3824, or register on line at www.conservationcenter.org at any time.

WATERWISE SEMINAR: A FREE Water-Wise Landscaping Seminar presented by the Center for ReSource Conservation 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. Contact 303-926-2870 for more information.

SUSTAINABILITY

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

PROGRAMS & EVENTS

- » The Town of Erie Department of Public Works has built and maintains a **RECYCLING CENTER** available in Historic Downtown Erie, open to all Erie Residents. The Recycling Center accepts Commingled Containers and Mixed Paper and is open 24 hours. 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, and have free access to the landfill.
- » **MEDICATION TAKE-BACK PROGRAM** – New in 2016, the Town of Erie is piloting a program to offer residents an easy way to dispose of unused and unwanted household medications.
- » **WATER CONSERVATION:** There are several opportunities that encourage our residents to participate in conservation efforts:
 - High Efficiency Washing Machine Rebate
 - Homeowner’s Waterwise Landscaping Manual
 - Indoor Water Consultation Program
 - Irrigation Audit Kits
 - Irrigation System Maintenance Tips
 - Outdoor Irrigation Consultations
 - Water-Wise Seminars
- » **NEW METER SYSTEM:** Beginning in 2016, the Town is starting 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, identify potential problems/high usage, and see results of their water conservation efforts.
- » Beginning in 2016, the Town of Erie we will be working with Xcel Energy to replace some of the street lights in Xcel’s territory to **LED LIGHTS**.
- » **GPS** has been installed in Snow Plow vehicles allowing Town Staff to view a history of where a unit has been enabling us to improve data records and answer citizen questions & concerns.

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 RSL, in the most cost efficient manner.
- » Our **WATER TREATMENT FACILITY** efficiently treats water to the highest standards and our Water Reclamation Facility treats waste water to be environmentally safe.
- » **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.

GET TO KNOW US...

ADMINISTRATION, ENGINEERING, AND FACILITIES STAFF (15.5 FTES)

Gary Behlen – Public Works Director: 11 years
Robyn Fulton – Custodian: 22 years
Wendi Palmer – Civil Engineer: 17 years
Raelynn Ferrera – Project Coordinator: 15 years
Dave Moratelli – Senior Construction Inspector: 12 years
Paul Shea – Facilities Maintenance Tech: 7 years
Russell Pennington – Deputy Director of Public Works: 7 years
Ed Mestas – Facilities Maintenance Division Manager: 6 years
Bethany Peer – Administrative Technician: 4 years
Scott Hickman – Facilities Maintenance Tech: 3 years
Chris Holland – Facilities Maintenance Technician: 2 years
Jason Mraz – Construction Inspector: 2 years
Matt Wiederspahn – Development Engineer: 2 years
Jason Vigil – Facilities Maintenance Technician: 1 year
Starla Elkins – GIS Coordinator: 1 year
Carissa Geraty – GIS Technician: 5 months

OPERATION & MAINTENANCE STAFF (15 FTES)

Jody Lambert – Operations & Maintenance Division Manager: 26 years
Frank McIlwain – Operations and Maintenance Supervisor: 20 years
George Hubert – Streets Supervisor: 19 years
Barb Dankowski – Meter Maintenance Tech: 17 years
Kris McDaniel – Administrative Coordinator: 17 years
Mike Dallas – Streets Maintenance Tech: 10 years
Rich Lucas – Fleet Mechanic: 10 years
Sarah Troy – Distribution & Collection Maintenance Tech: 4 years
Larry Nelson – Meters Maintenance Tech: 2 years
Scott Satak – Distribution & Collection Maintenance Supervisor: 2 years
Mike Soukup – Distribution & Collection Maintenance Technician: 1 year
Carlton Metts – Distribution & Collection/Streets/ Parks Technician: 7 months
Jimmy Moffitt – Distribution & Collection Maintenance Technician: 6 months
Joseph León – Streets Maintenance Technician: 6 months
Vince Cereceres – Distribution & Collection Maintenance Technician: 6 months

WATER/WASTEWATER FACILITIES STAFF (11 FTES)

Jon Mays – Water & Wastewater Division Manager: 9 years
Deb Langerak – Water Reclamation Facility Technician: 19 years
Amber Rehfeld – Water Treatment Facility Technician: 12 years
Elliott Fulton – Water Treatment Facility Technician: 12 years
Troy Vilhauer – Water Reclamation Facility Technician: 11 years
Bruce Chameroy – Chief Water Treatment Facility Operator: 4 years
Dave Smoljan – Chief Water Reclamation Facility Operator: 3 years
Jon Coyle – Water Reclamation Facility Technician: 3 years
John Taylor – Water Treatment Facility Technician: 3 years
David Burke – Water Treatment Technician: 2 years
Derrick Bowers – Utility Mechanic: 7 months



**Total: 41 FTEs with over 321 years
of experience with the Town!**

WHAT'S COMING IN 2016...

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 11th annual Clean Up Days at the Denver Regional 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 large items at no expense at the landfill and donate gently used unwanted items, unwanted prescription drugs and shredding at the Service Center. DPW Staff will assist residents with directions, confirming residency and ensuring compliance with landfill regulations.

2016 CAPITAL IMPROVEMENT PROJECTS:

BRIDGE MAINTENANCE: Improvements to the Vista Parkway Bridge.

ENTRY SIGN: The Town is working with King Soopers to incorporate a Town entry sign with the sign for King Soopers.

ERIE LAKE EMERGENCY ACTION PLAN: The emergency action plan for Erie Lake Dam needs to be updated and sent to the State.

ERIE PARKWAY CORRIDOR STUDY: The Town received Federal funding for a corridor study for Erie Parkway from State Highway 287 to Interstate 25. The study will provide detailed multi-modal transportation and streetscape recommendations and will include detailed transportation scenario models, streetscape plans, and analysis of the potential impacts to community character and economic development potential, as well as recommendations, cost estimates and strategies for future project implementation.

LEYNER COTTONWOOD PIPE REPAIR: The existing pipe that crosses the drainage way west of Meller Street and north of Erie Parkway has a leak and needs to be repaired.

NWRF INCREASED CAPACITY: 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.

NWRF ENTRANCE ROAD: Improvements to the North Water Reclamation Facility entrance road to improve drainage and the road surface.

NWRF SECURITY UPGRADES: Security improvements will be designed and constructed for the North Water Reclamation Facility to incorporate a computerized access system and surveillance cameras.

NWRF YARD PAVING: Paving of the existing gravel access roads at the North Water Reclamation Facility.

POLICE DEPARTMENT GATE: The gate was value engineered out of the initial construction of the new building. The Gate is

included in the 2016 budget to maintain the division of public parking and employee/police parking.

REPAIR & UPGRADE 1.5 MG WATER TANK: With the 4 MG tank online, the existing tank will be upgraded with a liner and new mixing system.

SEWER MONITORING AND EVALUATION: A monitory program will evaluate the flows and capacity of the existing sanitary sewer system at various locations. Depending upon the results, there may need to be capacity improvement projects.

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

SOLIDS HANDLING & EQUIPMENT BUILDING: In order to reduce the discharge of solids/sludge into the sanitary sewer system from the Water Treatment facility, the Town will be issuing a Design/Build Request for Proposal. The design/build project will include a solids handling building. In addition to solids handling equipment, the building may also have space for powder activated carbon system and sodium permanganate system for taste and order control.

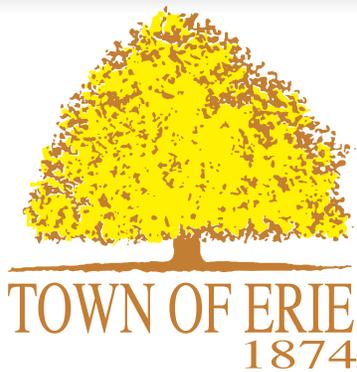
TRANSPORTATION MASTER PLAN: The current Transportation Master plan is from January 2008. With the recent update to the Town's Comprehensive plan, it is time to update the Transportation Master plan.

TOWN HALL REMODEL: With the police department now in their new building Town Hall will begin the first phase of remodel to accommodate additional staff and provide for future growth. This also includes the expansion of parking lots near Town Hall.

WATER TAP SADDLE REPLACEMENT: The existing bolts on the water tap saddles are corroding and the taps are breaking causing leaks that require emergency repairs. The remaining corroded water tap saddles in Kattell Street will be replaced.

WATER TREATMENT FACILITY SECURITY UPGRADES: Security improvements will be designed and constructed for the existing Water Treatment Facility to incorporate a computerized access system and surveillance cameras.

ZONE 3 WATERLINE EXTENSION (PHASE I): Design and construction of a new waterline to connect between the existing waterlines at County Line Road and Vista Parkway and Vista Parkway and Parkdale Cir.



**Lynn R Morgan Water
Treatment Facility**
2901 N 119th Street
Erie, CO 80516
303-926-2860

**South Water
Reclamation Facility**
1000 Briggs Street
Erie, CO 80516
303-926-2897

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

**North Water
Reclamation Facility**
501 State Highway 52
Erie, CO 80516
303-926-2876

**Leon A Wurl
Service Center**
150 Bonnell Avenue
Erie, CO 80516
303-926-2872