

**DEPARTMENT OF
ENGINEERING,
PUBLIC WORKS & FACILITIES
MANAGEMENT**

2019 Budget Presentation

2018 ACCOMPLISHMENTS

OFFICE OF DIRECTOR

Bureau of Recycling

Recycling Enhancement Grants – Union County distributed \$139,500 in recycling enhancement to 16 municipalities. Monies were directed towards increasing recycling at outdoor spaces, improvements to recycling convenience centers and recycling education initiatives.

Recycling Bin Program for Schools – Union County solicited requests from superintendents to enhance recycling in schools. The Bureau of Recycling received and honored requests from 58 schools in ten(10) municipalities. All participating schools adopted a Go Green Recycling Pledge.

Compost and Rain Barrels – An on-line compost and rain barrel “store” was hosted by Union County in celebration of Earth Day. Residents were able to purchase items at a discount and everyone was given a free kitchen compost bin for participating. Compost bins were also donated to community gardens.

Education and Outreach – The Bureau of Recycling is focused heavily on education in 2018, developing improved guidelines for Acceptable and Non-Acceptable items in curbside recycling bins, implementing a county side Ad Campaign for No Plastic Bags in Recycling Bins and drafting new “*Recycle Right*” brochures for businesses and residents. The County website continues to be improved by adding specific Do’s and Don’ts for Recycling and answering Frequently Asked Questions.

Recycle Coach – The Bureau of Recycling & Planning launched Recycle Coach, a new Recycling App to help residents track their curbside recycling calendar and county recycling events. Union County worked with local governments to share the free app and become the first county in NJ to have all municipalities launch the app on their website.

2018 ACCOMPLISHMENTS

OFFICE OF DIRECTOR

The Bureau of Recycling and Planning continued to host various one-day recycling collection events throughout Union County. Tonnage and participation data for the 2018 recycling events are as follows:

Mobile Paper Shredding – Sponsored 15 shredding events in 2018. Participation rose to 6,875 residents and the program successfully recycled 267,560 pounds of confidential documents.

Electronics Recycling – Union County sponsored two one-day events and was able to add one more municipal drop off locations, increasing coverage to 17 municipalities. County submitted semi-annual reports on behalf of all towns.

Household Hazardous Waste Days – Union County sponsored four (4) household hazardous waste events with 2,660 participants properly disposing of 130,025 lbs. of hazardous waste and additional 50,000 lbs. of universal waste. Union County continues to offer a free school lab waste program in conjunction with these events and added programs for smoke detectors and mercury thermostats.

Fluorescent Bulbs – 31,194 feet of fluorescent bulbs were collected and recycled via nine (9) municipal drop-off locations. This is in addition to our four Household Hazardous Waste Days.

Tire Recycling – 600 tires were collected and recycled, the highest number in five years.

Propane Tanks – 319 propane tanks were collected and recycled in conjunction with our Household Hazardous Waste Day events.

Scrap Metal – Union County sponsored bi-monthly collection of Scrap Metal from March thru November at two drop off locations. This was the busiest year yet with over 400 yards of material being recycled.

Motor Oil/Filters – Union County successfully recycled 8,735 gallons of used motor oil and a ton of spent oil filters via 15 municipal drop off locations.

2018 ACCOMPLISHMENTS

OFFICE OF DIRECTOR

Union County continued to provide “Talkin’ Trash”, a free recycling classroom education program throughout Union County elementary schools through October, two educators conducted 22+ presentations.

Curby, the recycling robot visited county and municipal events, fairs, parades, schools and libraries to promote recycling and litter education through out the county.

Union County assisted public entities with shredding their confidential documents.

Union County Recycling Rate – Union County exceeded that State’s 60% total overall recycling rate mandate.

CRP Agreement – In accordance with the new legislations requiring a CRP to sign off on all tonnage reports, Union County staff maintained Certified Recycling Professional accreditation and continued to serve as the CRP to four (4) municipalities in 2018.

Union County’s Recycling Aide conducted compliance assistance visits in the commercial and institutional sector to ensure businesses are in compliance with County recycling mandates.

2019 GOALS & OBJECTIVES

OFFICE OF DIRECTOR

Senior and Multi-Family Housing Project - County recycling staff will work in conjunction with municipal recycling coordinators to assist seniors and tenants with their recycling efforts by providing portable recycling bags that are easy to transport, unload and offer a recycling guide imprinted on the side.

Recycle Coach - With all 21 municipalities having launched the Recycle Coach app in 2018, Union County will work to increase “participation” through various education initiatives including a county-wide ad campaign.

Education and Outreach - The Bureau of Recycling will continue to focus on recycling education strategies including completion and printing of new “Recycle Right” brochures for businesses and residents.

Recycling Events - Provide ample opportunity for county residents to participate in various county-wide recycling events.

ENGINEERING, PUBLIC WORKS & FACILITIES MANAGEMENT**DIRECTOR'S OFFICE**

Description	2018 Adopted Budget	2018 Modified Budget	2018 Expenditures	2019 Budget Request
Salaries	35,908	36,408	35,908.08	64,565
Other Expenses	22,000	22,000	17,989.33	17,500
Total	57,908	58,408	53,897.41	82,065

2018 ACCOMPLISHMENTS

DIVISION OF ENGINEERING

Bureau of Engineering

Public Works Projects including 2018 Road Resurfacing Project in 14 Municipalities, the Traffic Signal Project at Jefferson Avenue and North Ave. in Elizabeth, the Husa Street Minor Bridge Project in Linden, the East Hazelwood Avenue Minor Bridge Project in Rahway, the Locust Street Minor Bridge Project in Summit, and the Elm and Orchard Street Culvert Project in Westfield.

Parks and Recreation Projects including completion of the Mattano Skate Park Project, the Meisel Park Pond Dredging Project, the Meisel Park Artificial Turf Field Project, the Galloping Hill 6th Fairway Improvement Project, and the Watchung Reservation Sensory Trail Project.

Facilities Projects including completion of the Cultural and Heritage Building Window Replacement Project in Elizabeth, the Jury Waiting Room Project in Elizabeth, the Emergency Generator Project at Public Works Facility in Scotch Plains, and the Phase III Justice Complex Project in Elizabeth.

Bureau of Traffic Safety and Maintenance:

Provided traffic control design and implementation for over 20 miles of road for Annual Resurfacing operations. Conducted Traffic Safety Assessments for UC and its municipalities. Assisted municipalities via our Mutual Aide/Shared Services Program with pavement striping, signage and vehicle decals. Provided consultation related to depositions, interrogatories in regard to tort claims and law suits. Assisted UC Departments with event banner installations. Also signage for UC Municipal Aid Grant Program and UC Deer Management Program. Continued maintenance of sign inventory system. Continued with roadway sign and striping maintenance. Collection of Traffic Data on all County roads

2018 ACCOMPLISHMENTS

DIVISION OF ENGINEERING

Bureau of GIS:

Maintain, manage, and support a countywide asset management system with 20,000 assets and over 100 users. Maintain, manage and support School Crisis Mitigation system with 230 schools and over 400 law enforcement users. Maintain, manage and support GIS public website with 4000 certified tax maps, internal and a drug free zone maps website for the UC Prosecutors office. Maintain, manage and support sex offender database and support several staff in the Prosecutors office. Create GIS maps and support GIS operation for 21 Municipalities and keep our parcel layer with 160,000 parcels up to date. Support and maintain Board of Election maps, Road resurfacing maps, Road Sign database with 20,000 signs, County road video logs and county park asset. Support and manage over 150 computers within the PW department including upgrade and troubleshooting.

2019 ENGINEERING GOALS & INITIATIVES

Bureau of Engineering

Public Works Projects including 2019 Road resurfacing (approx. 24 miles) in 15 municipalities, Traffic Signal Project at 7th Street and Grant Avenue, at 7th Street and Plainfield Avenue, and at 7th Street and Central Avenue in Plainfield, Traffic Signal Project at River Road and Chatham Road/Meile Place in Summit, Mountain Avenue Minor Bridge Project in Berkeley Heights, W.R. Tracy Avenue Bridge Project in Mountainside, Short Hills Avenue Minor Bridge Project in Springfield, Lawrence Avenue Minor Bridge Project in Westfield, Shunpike Minor Bridge Project in Springfield, East Hazelwood Avenue Bridge Scour Protection Project in Rahway, Passaic Street Bridge Project in New Providence and the Pemberton Avenue Minor Bridge Project in Plainfield.

Parks and Recreation and Facilities Projects are planned to be executed by the Engineering Bureau. The particular projects will be as identified by the respective groups.

Bureau of Traffic Safety and Maintenance

Plan to provide traffic control for 20 miles of paving operations. Continue Traffic Safety Assessments for municipalities, mutual aide via the Striping and Sign Program. Continue to assist UC Departments with event banner installs, to maintain sign inventory, to upgrade sign and striping along UC roadways. Plan to obtain video log for all 173 miles of county roads, to collect data for Bridge Heights and Truck volumes, to provide consultation related to tort claims and law suits, to provide signage for UC Aide Grant Program and UC Deer Management Program. Plans to upgrade line striping paint operations to long life Thermoplastics, and to enhance worker/public safety via Radar Speed Notification signage and lighted Stop/Slow Paddles.

2019 ENGINEERING GOALS & INITIATIVES

Bureau of GIS

We will continue to maintain, manage and support countywide asset management system with 20, 000 assets and over 100 users, School Crisis Mitigation system with 400 law enforcement users, GIS public website with 4000 certified tax maps, drug free zone maps website for the UC Prosecutors office, sex offender database and support several staff the Prosecutors office, Create GIS maps and support GIS operation for 21 Municipalities and keep our parcel layer with 160,000 properties up to date. Support and maintain Board of Election maps, Road resurfacing maps, Road Sign database with 20,000 signs, Count road video logs and county park asset. Support and mange over 150 computers within the PW department including upgrade and troubleshooting.

ENGINEERING				
Description	2018 Adopted Budget	2018 Modified Budget	2018 Expenditures	2019 Budget Request
Salaries	1,053,791	1,053,791	1,020,281.80	1,121,498.00
Overtime	24,000	24,000	10,100.86	12,000.00
Seasonal	10,000	10,000	7,704.00	8,500.00
Other Expenses	499,200	499,200	351,442.09	472,000.00
Total	1,586,991	1,586,991	1,389,528.75	1,613,998
Request for promotions for 12 employees			Total	15,750

2018 ACCOMPLISHMENTS

FACILITIES MANAGEMENT

Elizabeth Complex

The Justice Complex Project: Phase #3: Oriscello Correctional Facility – Modernization of Visitor Elevators #1 and #2 were completed. Eight new (8) Control Consoles for the Command Center have been installed.

UC Courthouse Rotunda – Fire Code Violation, HVAC and ADA Accessible Elevator Upgrade Project

Project commenced in March 2018. Asbestos Abatement, Fire Sprinkler Piping, HVAC Ductwork & Equipment and Elevator upgrade work continues. Project is expected to be completed by November 2019.

New Annex – Jury Assembly Room

Demolition was completed by County staff. Framing, HVAC system and ductwork, Fire Sprinkler Piping, Fire Alarm wiring and construction of Women & Men Restrooms has been completed. Drop-Ceiling, Ceiling Tiles, Lighting, Entrance/Emergency Exit Doors and Flooring to follow. Project is expected to be completed in early 2019.

Administration Building

Carpeting was replaced on the 4th, 5th and 6th Floors. Sheriff's Lab and County Manager's Conference Room were enlarged. New Office was constructed for County Manager's Executive Secretary.

Ruotolo Justice Center

Constructed (2) new Offices on 3rd Floor and Completely renovated 1st Floor Conference Room. Replaced Carpeting in Assistant DA Office.

Albender/Bank Building Complex

Renovation of the entire Bank Building was completed. Judiciary staff has been relocated back to their designated areas.

2018 ACCOMPLISHMENTS

FACILITIES MANAGEMENT

Warinanco Park

Water Meter Pit and Water Fountains were installed at the new Dog Park. The concrete staircase leading from Rahway Ave into Park were completely refurbished.

Bureau of Print Services

Received over 2,184 print/sign/paper requests from January 1, 2018 through October 15, 2018 by Union County, 20 Municipalities and various County non-project agencies.

Printed over 9,977,016 impressions from January 1, 2018 through October 15, 2018, not including print requests in queue. Over 2.5 million more impressions were printed in a smaller window of time as compared to last years YTD impressions.

Printed and assembled 433 + Banners from January 2018 through October 15, 2018 for an increase of 88% in Banners produced in a shorter time frame as compared to last year.

Invoiced \$53,720 from October 15, 2017 through October 15, 2018 to various townships, non-profit and government agencies.

Continued to research and utilize cost effective equipment and materials for signs, banners and printing.

Successfully upgraded Print Services with modern, up-to-date, high quality digital Xerox Printers.

2019 GOALS & INITIATIVES

FACILITIES MANAGEMENT

Administration and New Annex Buildings

Installation of a Kitchen Ventless Hood Fire System to comply with NJ State Fire Code mandates in both Cafes. Design Plans have been issued to the City of Elizabeth for approval. Project is expected to be completed by late Spring 2019.

Cultural and Heritage Affairs

Installation of the new windows and shutters will continue. Project expected to be completed by Spring 2019.

UC Courthouse Tower/Stairwell/Rotunda Egress & Fire Upgrade Project

Installation of new HVAC equipment, Fire Sprinkler System, Drop Ceiling-Ceiling Tiles, LED Lighting Carpeting and construction of (2) new Jury Boxes will continue. Rotunda portion of Project is expected to be completed in November 2019. Tower Stairwell Project is expected to immediately follow.

Administration Building

Replace Carpeting on 1st, 2nd & 3rd Floors. Upgrade both AC systems.

UC Courthouse

Replace Entrance/Exit Doors at rear entrance. Upgrade (3) Tower Elevators.

Roselle Park First Aid Squad

Renovate entire Restroom.

Parks

Restroom renovations of Public and Employee restrooms will continue.

2019 GOALS & INITIATIVES

FACILITIES MANAGEMENT

Bureau of Administrative Support

Continue our upgrade path for Printing Services Digital ordering system.

Include Sign Shop requests as apart of the Digital ordering system

Replace Wide Format Printer.

Modernize to a more capable Folding Machine.

Pursue cut/print solution with new innovative products.

Upgrade aging Computer systems and Design Software.

Implement Digital Duplicator for high speed b/w envelope printing.

Phase out old and outdated Printing Press.

FACILITIES MANAGEMENT				
Description	2018 Adopted Budget	2018 Modified Budget	2018 Expenditures	2019 Budget Request
Salaries	6,871,725	6,871,725	6,378,835.67	7,425,708.00
Overtime	300,000	300,000	287,084.61	300,000.00
Seasonal	3,000	3,000	2,178.00	9,600.00
Other Expenses	8,212,750	8,212,750	6,843,774.81	8,506,600.00
Total	15,387,475	15,387,475	13,511,873.09	16,241,908
Request for promotions for 13 employees			Total	16,006

2018 ACCOMPLISHMENTS

PUBLIC WORKS

Bureau of Roads and Bridges

In 2018 the Bureau completed in excess of 500 work requests for pothole repair which included filling and repairing thousands of potholes. Minor and major road surface repairs and preventive maintenance were completed throughout the county. Repairs to related infrastructure on county roadways were performed such as sink holes and storm line failures. The County's 340 lane miles of roadway were swept approximately twice per month as per our Sweeping Schedule. Vegetation maintenance was performed as required. The County's 4,564 inlets and catch basins were cleaned and or inspected twice per year, as scheduled. Repairs were made as required. Union County's 386 bridges and culverts were inspected, maintained and repaired as needed. Beam Guide Rail was repaired as needed. Weather related events including Snow & Ice were managed, staffed and tackled during and following each occurrence. There were approximately 2,500 tasks completed related to snow and ice removal during this time frame.

During County sponsored recycling events, the Bureau provides assistance through personnel and equipment. Assistance was provided to the Office of the County Clerk with hauling records to the incinerator from various agencies and municipalities throughout the County. Assistance was also provided to the County Police in hauling confiscated drugs to the incinerator for destruction.

The Bureau of Road & Bridges, Welding Shop performed fabrication projects for various agencies such as, Park Maintenance, U.C. Department of Public Safety, Bureau of Shade Tree & Conservation, Bureau of Heavy Equipment and Truck Repair as well as repairs and modification to DPW Equipment.

2018 ACCOMPLISHMENTS

PUBLIC WORKS

The Bureau of Roads & Bridges assisted the Bureau of Shade Tree and Conservation through the use of personnel and equipment with all operations of the U.C. Leaf Compost Facility in Springfield . Work including receiving leaves and related materials for composting. Forming windrows and turning as required followed by moving materials to make room for Union County's 2018 Leaf Removal Program. Site maintenance and cleanup was performed throughout the year.

The Bureau of Road & Bridges completed in excess of 4,400 work requests during the past year. This included various services and mutual aid assistance to all Division, Agencies and Municipalities.

Bureau of Inspections

During 2018 the Bureau issued 510 road and curb permits, collected \$110,222.60 in permit fees and \$218,939.935 in refundable bond fees, for a total of \$329,161.85.

In addition to Road & Bridges Inspectors, the Bureau personnel also include the Department's Safety Coordinator, who scheduled safety programs to ensure compliance with Local, Federal and State regulations. Examples of these regulations are: OSHA and Hazcom Right to Know Compliance, Commercial Driver's Licensing, CDL Medical Certifications, Storm Water Management and Work Zone Safety.

In-house training was also performed. Examples of this training are: chainsaw, forklift, backhoe and bucket truck operations, fire extinguisher, ladder usage, and proper flagging techniques. The reporting and recording of all departmental employee injuries and motor vehicle accident issues also fall under this Bureau. Other safety training added in 2016 was, training in the precautions of slip and fall, lifting techniques, PPE (personal protective equipment) and Defensive Driving.

2018 ACCOMPLISHMENTS

PUBLIC WORKS

Bureau of Shade Tree & Conservation

This year the Bureau has concentrated on completing all requests and to date the Bureau has completed over 1,500 work orders. The Bureau has continued to remove dead trees along county roads and parks, also removing trees from rivers and reservation. There has been more than 400 trees that were removed and over 600 trees were trimmed that posed a potential safety or traffic hazard. These trees were mainly identified through requests from the public as well as county personnel. This year the Bureau completed a large request for tree trimming and removal in Scotch Plains, Elizabeth, Plainfield, Cranford, Clark and Roselle Park. The Bureau continues to promote arboriculture and the preservation and planting of shade trees with the county.

The Bureau continues to work with the local electrical companies removing trees and limbs that are located in the power lines and as a result of this work the Bureau has been able to complete a large number of requests and complaints.

The Shade Tree Bureau assisted with mutual aide to Summit, Mountainside, Roselle, Union and Garwood just to mention a few, in removing large trees and hanging branches. The Bureau also loaned equipment to assist municipalities in their duties.

The Bureau addressed concerns of trees in various parks: Cedar Brook – received request from park supervisors concerning playground area and walking paths, and this year all requests have been completed throughout the park, Echo Lake – this year the bureau removed 20 dead trees located over the playground areas, and Rahway Park -the bureau had substantial requests for work orders on trees. All work has been completed.

Each year the Bureau of Shade Tree & Conservation plants 150 trees throughout the county along the county roadways. This is done yearly due to the amount of trees that were removed to decay or storm damage.

2018 ACCOMPLISHMENTS

PUBLIC WORKS

Bureau of Mosquito Control

Mosquito Control completed 310 tasks related to ditch maintenance at 60 locations in need of cleaning prior to the start of our surveillance and treating season.

The 2018 mosquito surveillance season began on March 1. Early cool temperatures this spring kept the mosquito population at a lower level at first but it skyrocketed during the month of June and remained high until the middle of September. The abundance of rain and 20 days where temperatures reached 90 degrees and higher created a season with record setting West Nile Virus pools throughout New Jersey.

This season was monitored by twenty three semi-permanent New Jersey Light Traps for trends and populations. Our portable traps were used to locate the mosquito vectors of West Nile & Zika viruses. 78 separate trappings were performed for this purpose. 297 separate “pools” were submitted for WNV testing to the NJ State Public Health Environment Labs in Trenton for testing with 78 “pools” returned as positive for West Nile Virus. All 21 municipalities in Union County had at least one positive pool of WNV mosquitoes. U.C. Bureau of Mosquito Control currently has 500 identified and catalogued sites registered with the NJ State PHEL Labs in Ewing Township, NJ. These are the sites from which we collect specimens to submit for virus testing.

This bureau handled 499 complaints for 2018. There were 779 spray operations at 289 locations during 20 adulticiding operations conducted during the evening hours to control adult populations of mosquitos. There were 6,091 tasks completed for 2018. This includes the work the inspectors do on a daily basis to control breeding at the source in several locations throughout Union County where standing water cannot be eliminated. The Bureau also incorporated new methods of treatment for larviciding, both to become even more efficient and to keep resistance under control.

2018 ACCOMPLISHMENTS

PUBLIC WORKS

The Bureau is offering “Barrier” treatment for problem yards of individual home sites. This process involves the use of a backpack blower that sprays a mist of a barrier pesticide that dries down in an hour and leaves a residue that can provide active mosquito control for up to 12 days. So far, the bureau has received positive feedback with the results, 170 barrier treatments were performed during the 2018 season.

Our staff attended several public outreach venues in order to educate the public to health risks and public nuisance of mosquitoes and how to prevent breeding of them.

Union County Mosquito Control continues to successfully employ the use of I-Pads in all of our work orders on Cartegraph.

A new lab, separate from the offices of Mosquito Control, was utilized during the 2018 season. This enabled the Bureau to perform all of the identifying and sampling of mosquitoes in a better controlled and sanitary environment for all.

Bureau of Heavy Equipment & Truck Repair

There were 507 repair work orders. This figure includes the repair, of in-house work performed by the Bureau. This Bureau repairs all county-owned heavy equipment and a large fleet of trucks utilized by the Divisions of Public Works and Park Maintenance. Within this Bureau there are hydraulic and diesel mechanics. The Heavy Equipment shop has also made repairs to equipment for towns within Union County.

2019 GOALS & INITIATIVES

PUBLIC WORKS

Bureau of Road & Bridges

The Bureau will continue to flush, clean, repair and survey all storm sewer inlets, catch basins and manholes on roadways throughout Union County.

The Bureau of Roads & Bridges will continue to staff and assist all operations of the Leaf Compost Facility located at the permitted site of the former Houdaille Quarry located in Springfield.

Street sweeping will be conducted on monthly schedule. Roads and Facilities are scheduled to be swept twice per month, weather permitted. Rights of Way maintenance will be conducted from March through November on all County roadways.

The Bureau's in-house paving program will provide Mutual-Aid Milling and Resurfacing services to various Municipalities, Departments and County facilities prioritized as requested through County departments, divisions, and bureaus. Requests submitted to the Bureau of Road & Bridges will commence on or about May 1, 2019.

The Bureau will continue with all regular and priority repairs related to Roads, Bridges, Culverts and Beam Guide Rail throughout Union County.

The Bureau will also continue with its Heavy Equipment Maintenance & Repair, Snow Equipment Maintenance & Repair, Welding & Fabrication Services not only for Bureau Equipment but extended to all Divisions, Agencies and Municipalities. The Bureau will also continue Mutual Aid Assistance and will include but are not limited to Equipment/Personnel Loans, Hauling, Debris Removal, Drainage Improvement, etc.

2019 GOALS & INITIATIVES

PUBLIC WORKS

The Bureau of Roads & Bridges will continue with equipment and facility maintenance conducted at the DPW facility throughout the year. The Bureau will continue with efforts to augment training and improve safety awareness for all bureau employees.

Bureau of Inspections

The Bureau will continue to closely monitor all construction, maintenance, and repair being performed on county roads as it pertains to the proper permitting for curing, road openings, excavations and alterations, and continue to assure compliance with County specifications.

The Safety Coordinator will continue to do more conduct training in areas, and will continue to assure compliance with Local, Federal, and State regulations. **The Bureau's goal is to become an injury and accident free workplace.**

Bureau of Shade Tree & Conservation

The Bureau will continue to maximize all its efforts in completing all work orders and put in place a plan to assist the public's complaints and concerns, along with assistance required from various departments. The bureau will continue to observe trees throughout the county to identify dangerous or dying trees and their condition to determine which will be in need of trimming or removal due to decay. The bureau makes the determination of which tree may have the potential of being removed based on condition, structural integrity, life expectancy, infestations and diseases. For every tree removed the bureau tries to replace them depending on location and condition.

2019 GOALS & INITIATIVES

PUBLIC WORKS

The Bureau will continue to teach the public through the Arbor Day Program about how important it is to save our trees and through the Poetry Contest, which is geared towards school age students.

Employees of the Bureau will continue to attend safety classes and monthly tailgate safety classes which includes bucket safety, stump grinder, crane operations , pesticide training, electrical hazard safety programs, chainsaw safety programs, and any other program that may address their job duties.

The Division of Public Works, Bureau of Shade Tree and Conservation, has assumed the responsibility of the Leaf Collection and Composting at the permitted site of the Houdaille Quarry located in Springfield. Participating municipalities throughout Union County utilizes the facility when leaf season commences on November 1st. The County offers a reduced rate to municipalities for the recycling of leaves on municipal streets.

Approximately 150,000 cubic yards is collected annually, which are then composted and then reduced by one-third to produce compost that is screened to produce a rich top soil additive which is in demand by private contractors. The County has purchased a windrow turner along with a front-end loader and is in the process of purchasing a screener.

The marketing of the end product will result in revenue dollars from in-bound material and out-bound compost being sold at market value. Yearly this facility is expected to produce approximately 100,000 cubic yards of compost. The County has also staffed the Conservation Center with a supervisor, heavy equipment operators, and laborers to run the day-to-day operations which also includes all required documentation.

2019 GOALS & INITIATIVES

PUBLIC WORKS

Bureau of Mosquito Control

Union County Mosquito Control is an evolving science that requires this bureau to stay current with up to date science and technology. It also requires that staffing evolves with it. Here in Union County, our bureau is quickly approaching the need to replace top staffers. This will necessitate the hiring of an identification specialist that usually requires an individual in the very near future so that the succession plan could be seamless. It would give the bureau a staff that coincides with today's standards in mosquito control.

One of the challenges that we have is the ability to access off road areas that are known to be breeding but can't be reached or treated by truck. We plan to obtain a trailer for the ATV so that we can get into those areas with an adulticiding machine that can be used to disperse a liquid larvicide. This is being planned in order to be more efficient and effective at knocking down those populations of mosquitoes.

The state contract for pesticides is expiring for certain vendors, and some vendors are changing their product line, so we will be seeking to keep an array of products that both continue effectiveness and avoid the possibility of resistance occurring in the insect population that we are treating.

Union County Mosquito Control strives to deliver the level of service that Union County residents and businesses expect and deserve of a county agency.

Bureau of Heavy Equipment & Truck Repair

The Bureau will continue to maintain and repair all county owned trucks and heavy equipment utilized by Public Works, Park Maintenance and Houdaille Quarry. The Bureau will be sending mechanics to training when offered, by vendors such as "Snap-on" to stay updated on new technology within the industry.

PUBLIC WORKS				
Description	2018 Adopted Budget	2018 Modified Budget	2018 Expenditures	2019 Budget Request
Salaries	2,358,437	2,358,437	2,116,242.29	2,310,070.00
Overtime	150,000	150,000	165,349.87	100,000.00
Other Expenses	56,000	56,000	53,444.36	51,000.00
Total	2,564,437	2,564,437	2,335,036.52	2,461,070
Request for promotions for 14 employees			Total	17,750