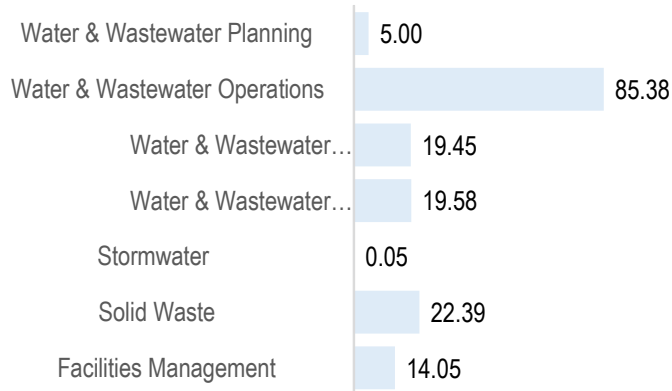


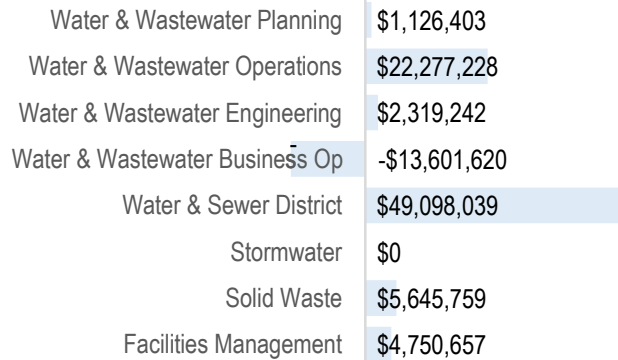
# FY 2019 Adopted Public Works Budget \$71,615,708

<p><b><u>Expansions</u></b></p> <ul style="list-style-type: none"> <li>Expansion 42604: Vehicle for Maintenance Technician (\$25,107)</li> <li>Expansion 71101: CIP Project Manager (1.00 FTE,\$94,121)</li> <li>Expansion 71103: Customer Service Specialist (1.00 FTE, \$50,808)</li> <li>Expansion 71302: Construction Inspector (1.00 FTE, \$115,067)</li> <li>Expansion 71303: Instrumentation Technician (1.00 FTE, \$129,343)</li> <li>Expansion 71304: Connection Control Coordinator (1.00 FTE, \$102,615)</li> </ul>	<ul style="list-style-type: none"> <li>Expansion 71308: Maintenance Electrician (1.00 FTE, \$131,915)</li> <li>Expansion 71309: Maintenance Superintendent (1.00 FTE, \$133,162)</li> <li>Expansion 71312: Vehicle for Health &amp; Safety Manager (\$24,730)</li> <li>Expansion 71313: WWTP Budget Replacement Vehicles (\$50,000)</li> <li>Expansion 71314: Transition from Charlotte Water (5.00 FTE's, \$334,633),</li> <li>Expansion 71401: CIP Project Manager-Facilities (1.00 FTE, \$104,733)</li> <li>Expansion 71501: GIS Analyst (1.00 FTE, \$68,001)</li> </ul>
<p><b><u>Related Capital Outlay</u></b></p> <ul style="list-style-type: none"> <li>Replacement Vehicles, \$327,787</li> <li>Replacement of John Deer 544J Rubber Tire Loader,\$220,000</li> <li>Sun Valley Convenience Site Relocation, \$830,000</li> <li>Generator Replacements (4), \$197,500</li> <li>Refurbish (4) ERV Wheels at JC (Yr 2004), \$30,000</li> <li>(2) Rooftop A/C Units and (2) Water Heaters at JC,\$25,000</li> <li>Group Home Water Heater (Yr 2003), \$5,000</li> <li>HVAC Units @ Ag Center (4 each yr for the next three years), \$144,000</li> <li>Server Storage Expansion for WMMS, \$25,000</li> <li>Software Update for Closed Circuit Television, \$10,000</li> </ul>	<ul style="list-style-type: none"> <li>Tree Cutter Replacement, \$10,000</li> <li>Replacement for Tree Cutter Tractor, \$100,000</li> <li>Replacement of Side Mower, \$20,000</li> <li>Replacement for aging Push CCTV, \$12,000</li> <li>Replacement for aging UTV, \$12,000</li> <li>Mini Excavator Replacement-JD35, \$50,000</li> <li>Trench Protection for Large Diameter Pipe, \$15,000</li> <li>Trailer Air Compressor replacement - P185 Ingersoll Rand, \$15,000</li> <li>Light Tower Replacement parts, \$10,000</li> <li>Hammer Head to replace JD 710D, \$15,000</li> <li>Capital R&amp;R, \$280,000</li> <li>Warehouse racking, \$5,000</li> </ul> <p><b><u>Related Capital Projects:</u></b></p> <p>For a complete list of CIP projects, reference CIP report at the end of the document.</p>

### FTE by Division



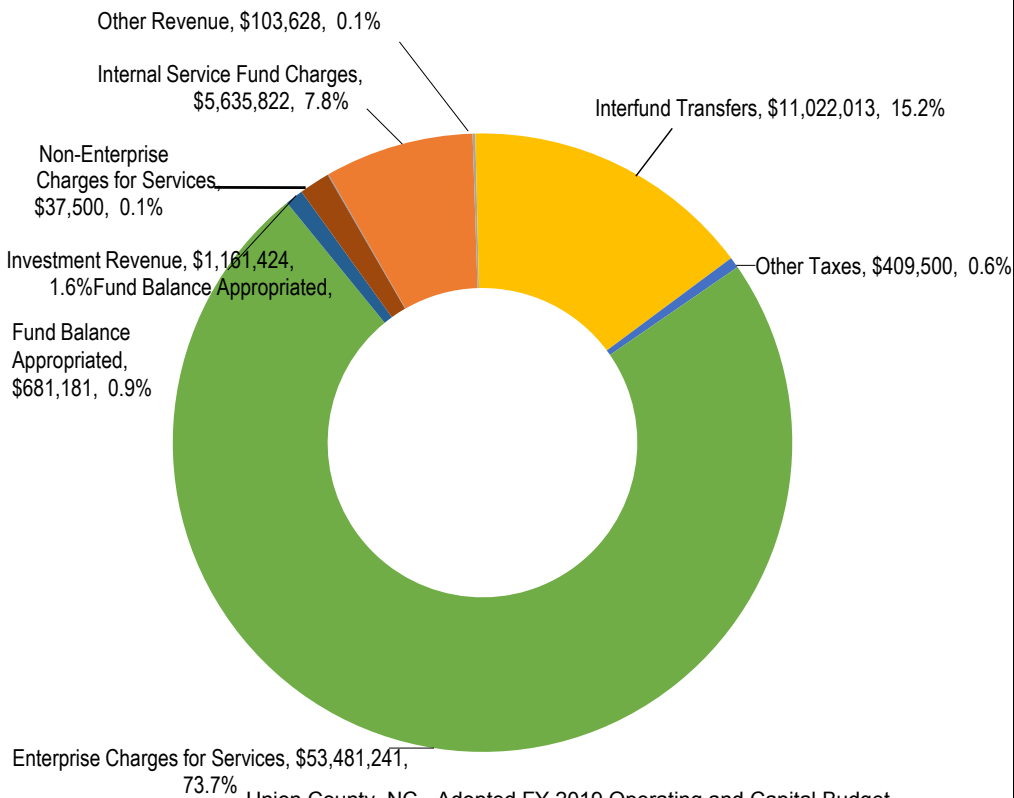
### Budgeted Expenditures by Division



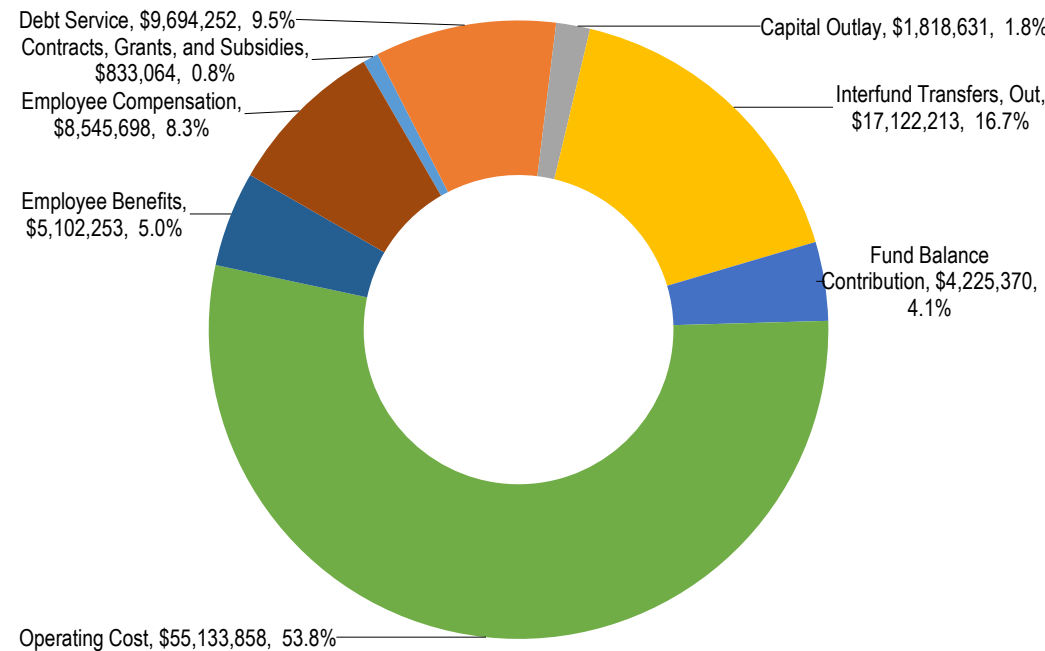
### Expenditures by Fund



### Revenues by Category



### Expenditures by Category



### **Service Area Mission**

Provide exemplary service through the engagement of our employees in the efficient and effective management of our assets and resources.

### **Service Area Services Provided**

Union County Public Works (UCPW) provides water supply, wastewater treatment, solid waste management, and County facilities management services to the unincorporated areas and many of the incorporated areas of Union County. UCPW is the water and wastewater utility service provider to all of the municipalities in Union with the exception of Monroe, Marshville, and Wingate. In FY 2019, UCPW will have 165.90 (FTE) positions, a net operating budget of approximately \$45.1 million, and a Pay-Go capital funding budget of approximately \$17.3 million which is primarily funded through rates and fees charged for services.

UCPW provides \$368,655 to the General Government Fund. This is comprised of indirect cost allocation plan cost of \$917,401 provided to the General Government Fund, net of \$397,844 vacant property costs and \$150,902 road sign program costs which are covered by the General Government Fund.

The Public Works department manages their six-year \$625 million Capital Investment Plan for the County's Water, Sewer, Solid Waste and Storm Water infrastructure needs.

### **Service Area FY 2019 Discussion**

Providing safe, palatable water to all customer through best business practices and regulatory compliance is key for success in FY 2019. Demand for Water Distribution is driven by population change which is measured in number of gallons sold. In 2012, Union County Public Works sold 3.57 billion gallons of water, 3.82 billion in 2014, and 4.23 billion in 2017, total increase of 18.5 percent in five years. FY 2019 includes the second year of an approved three year rate increase of 6.5 percent.

Waste Water demand for service is also impacted by population growth. In 2012 there were 29,884 sewer accounts serving a population of 82,389 and in 2017 the population has grown to 90,324 (22.4 percent) while the number of sewer accounts increased to 35,273 (18%).

Solid Waste Disposal services' tiered rate structure has proven effective in replacing substantial amounts of lost tonnage volumes in order for haulers to obtain lower per ton charges. Replacement of 2007 rubber tire loader with engine and transmission issues at facility identified as priority in the FU 2019 budget. Relocation costs of Sun Valley site in FY 2019 will exceed revenues from this part of our operation.

Facilities Management has been restructured for the purpose of creating a more proficient Facilities Management Division. The division is looking to increase the focus on customer service, preventive and corrective maintenance, long-range planning, and energy efficiency. As the County continues to experience a growing demand for services, this results in the need for our Division to accommodate that growth.

Service Area by Division Summary	FY 2014 Actual	FY 2015 Actual	FY 2016 Actual	FY 2017 Actual	FY 2018 Revised	FY 2019 Adopted	FY 2018 - 2019 \$ Change	FY 2018 - 2019 % Change
<b>Revenue by Category</b>								
Other Taxes	(381,121)	(392,040)	(416,524)	(442,132)	(395,600)	(409,500)	(13,900)	3.5%
Intergovernmental Revenue, Restricted	(1,739,243)	0	0	0	0	0	0	0.0%
Non-Enterprise Charges for Services	(53,439)	(83,463)	(80,653)	(53,925)	(37,482)	(37,500)	(18)	0.0%
Enterprise Charges for Services	(42,760,865)	(42,949,640)	(51,220,686)	(53,634,113)	(56,152,883)	(53,481,241)	2,671,642	(4.8)%
Debt Proceeds - Restricted Revenue	(128,304)	(128,304)	24,409,640	(213,882)	(2,279,529)	0	2,279,529	(100.0)%
Investment Revenue	4,242,736	692,420	(423,594)	77,431	(512,511)	(1,161,424)	(648,913)	126.6%
Other Revenue	(257,532)	(238,059)	(336,748)	(195,589)	(19,418)	(103,628)	(84,210)	433.7%
Internal Service Fund Charges	0	(4,252,431)	(4,810,486)	(4,887,793)	(5,237,698)	(5,635,822)	(398,124)	7.6%
Interfund Transfers	(1,136,145)	(300,583)	(259,829)	(4,082,274)	(5,265,297)	(11,022,013)	(5,756,716)	109.3%
Fund Balance Appropriated	0	0	0	0	(2,063,941)	(681,181)	1,382,760	(67.0)%
<b>Total Revenue</b>	<b>(42,213,913)</b>	<b>(47,652,098)</b>	<b>(33,138,880)</b>	<b>(63,432,277)</b>	<b>(71,964,359)</b>	<b>(72,532,309)</b>	<b>(567,950)</b>	<b>0.8%</b>
<b>Expenditures by Division</b>								
Facilities Management Division	(476,108)	3,739,113	3,657,650	4,237,063	5,304,801	4,750,657	(554,144)	(10.4)%
Solid Waste Division	5,667,376	5,075,729	4,805,658	4,718,111	5,464,493	5,645,759	181,266	3.3%
Stormwater Division	257,358	181,271	167,402	356,978	0	0	0	0.0%
Water & Sewer District Division	0	0	0	10,512,298	51,636,355	49,098,039	(2,538,316)	(4.9)%
Water & Wastewater Business Op Division	10,444,057	10,474,572	13,563,918	6,893,960	(15,190,744)	(13,601,620)	1,589,124	(10.5)%
Water & Wastewater Engineering Division	1,420,084	1,451,827	1,637,222	1,828,255	2,143,464	2,319,242	175,778	8.2%
Water & Wastewater Operations Division	15,354,762	17,290,764	18,152,432	18,613,273	21,221,622	22,277,228	1,055,606	5.0%
Water & Wastewater Planning Division	149,529	131,147	156,370	582,137	1,008,114	1,126,403	118,289	11.7%
<b>Total Public Works</b>	<b>32,817,059</b>	<b>38,344,423</b>	<b>42,140,652</b>	<b>47,742,076</b>	<b>71,588,105</b>	<b>71,615,708</b>	<b>27,603</b>	<b>0.0%</b>
<b>Total Public Works</b>	<b>(9,396,854)</b>	<b>(9,307,675)</b>	<b>9,001,772</b>	<b>(15,690,201)</b>	<b>(376,254)</b>	<b>(916,601)</b>	<b>(540,347)</b>	<b>143.6%</b>
<b>Full-time Equivalent by Status</b>								
Full-Time	104.00	108.00	114.00	119.00	144.00	158.00	14.00	9.72%
Part-Time	0.00	0.00	0.00	0.00	6.59	6.59	0.00	0.00%
Temp-Part-Time	6.36	6.36	6.60	8.04	1.31	1.31	0.00	0.00%
<b>Total</b>	<b>110.37</b>	<b>114.37</b>	<b>120.60</b>	<b>127.05</b>	<b>151.90</b>	<b>165.90</b>	<b>14.00</b>	<b>9.22%</b>

Service Area by Program Division Summary	FY 2014 Actual	FY 2015 Actual	FY 2016 Actual	FY 2017 Actual	FY 2018 Revised	FY 2019 Adopted	FY 2018 - 2019 \$ Change	FY 2018 - 2019 % Change
<b>Facilities Management</b>								
Facilities Management	(563,250)	3,508,443	3,406,899	3,861,949	5,001,409	4,501,541	(499,868)	(10.0)%
Sign Shop	87,142	230,670	250,751	375,114	303,392	249,116	(54,276)	(17.9)%
<b>Solid Waste</b>								
Admin, Solid Waste Collection	401,745	120,194	123,970	121,257	97,802	111,871	14,069	14.4%
Admin, Solid Waste Disposal	657,723	997,761	971,947	841,424	1,074,578	1,876,440	801,862	74.6%
Central Collection Site	17,454	23,669	92,081	70,438	99,836	41,169	(58,667)	(58.8)%
Construction & Demolition	465,811	173,458	557,694	333,524	646,081	175,536	(470,545)	(72.8)%
Municipal Solid Waste	2,338,834	2,379,694	1,972,316	2,086,309	2,440,514	2,362,908	(77,606)	(3.2)%
Recycling	574,441	605,959	705,691	907,082	796,884	695,185	(101,699)	(12.8)%
Remote Collection Sites	331,991	412,063	290,616	297,229	308,798	382,650	73,852	23.9%
Solid Waste Post Closure Reser	879,376	362,931	91,344	60,849	0	0	0	0.0%
<b>Stormwater</b>								
Stormwater History	257,358	181,271	167,402	356,978	0	0	0	0.0%
<b>Water &amp; Sewer District</b>								
Water & Sewer District	0	0	0	10,512,298	51,636,355	49,098,039	(2,538,316)	(4.9)%
<b>Water &amp; Wastewater Business Op</b>								
Customer Service	1,136,070	1,168,800	1,356,805	1,350,519	1,753,381	1,786,542	33,161	1.9%
General Admin, Water/WW	9,307,988	9,305,772	12,009,156	5,354,124	(17,180,327)	(15,652,105)	1,528,222	(8.9)%
Public Works Fiscal Management	0	0	197,957	189,317	236,202	263,943	27,741	11.7%
<b>Water &amp; Wastewater Engineering</b>								
Admin, Engineering Div.	293,961	411,632	371,081	289,972	454,719	471,066	16,347	3.6%
Capital Improvement Mgmt..	532,528	425,450	558,313	607,966	736,773	739,110	2,337	0.3%
New Development	593,595	614,745	707,828	930,317	951,972	1,109,066	157,094	16.5%
<b>Water &amp; Wastewater Operations</b>								
Admin, W/WW Operations	0	0	220,232	301,349	528,295	494,496	(33,799)	(6.4)%
Admin, Water Distribution	5,218,871	5,560,365	4,963,233	4,115,644	4,848,495	5,262,976	414,481	8.5%
Administration, Field Services	69,047	186,552	558,134	350,085	160,122	249,424	89,302	55.8%
Administration, WW Operations	2,294,538	4,353,189	3,802,920	3,640,300	4,305,927	6,671,612	2,365,685	54.9%
Crooked Creek Facility	606,514	480,299	415,366	475,121	676,111	869	(675,242)	(99.9)%

Service Area by Program Division Summary	FY 2014 Actual	FY 2015 Actual	FY 2016 Actual	FY 2017 Actual	FY 2018 Revised	FY 2019 Adopted	FY 2018 - 2019 \$ Change	FY 2018 - 2019 % Change
East Regional Transmission Sys	196,335	227,497	240,365	247,744	249,983	391,878	141,895	56.8%
Health & Safety	0	0	79,632	80,042	116,815	146,250	29,435	25.2%
Meter Services	1,002,461	908,279	1,329,690	1,944,902	2,180,443	2,239,548	59,105	2.7%
Pump Station Operations/Maint	683,956	672,649	635,106	533,928	721,355	925,752	204,397	28.3%
Small Facilities	175,166	144,995	192,337	145,307	202,148	257	(201,891)	(99.9)%
System Operations	0	0	332,234	485,146	704,636	790,616	85,980	12.2%
Twelve Mile Creek Facility	1,796,420	1,131,564	1,169,278	1,372,055	1,611,884	3,424	(1,608,460)	(99.8)%
Wastewater Line Maintenance	1,081,721	1,079,598	1,145,232	1,686,030	1,556,419	1,385,189	(171,230)	(11.0)%
Wastewater Line Repair	279,469	440,617	453,190	425,642	464,933	708,411	243,478	52.4%
Wastewater Regulatory Compl	0	0	75,045	66,193	97,913	108,024	10,111	10.3%
Water Line Maintenance	0	0	611,424	683,515	667,105	969,410	302,305	45.3%
Water Line Repair	1,637,345	1,951,502	1,731,758	1,830,529	1,825,128	1,670,934	(154,194)	(8.4)%
Water Quality Management	312,919	153,658	197,256	229,740	292,115	246,363	(45,752)	(15.7)%
Water Regulatory Compliance	0	0	0	0	11,795	11,795	0	0.0%
<b>Water &amp; Wastewater Planning</b>								
Planning & Resource Management	149,529	131,147	156,370	582,137	1,008,114	1,126,403	118,289	11.7%
<b>Total Expenditure</b>	<b>32,817,059</b>	<b>38,344,423</b>	<b>42,140,652</b>	<b>47,742,076</b>	<b>71,588,105</b>	<b>71,615,708</b>	<b>27,603</b>	<b>0.0%</b>