



Utility Services

<u>FUNDING BY PROGRAM AREA</u>	<u>2018 RECOMMEND</u>
BASIC UTILITY SERVICES	
Water	
Water Plant Operations	\$1,622,636
Water Plant Capital	290,000
Capital Facilities	1,249,675
SUBTOTAL	3,162,311
Water Reclamation	
Water Rec.Plant Operations	2,011,381
Water Rec. Plant Capital	360,800
Capital Facilities	2,652,500
SUBTOTAL	5,024,681
Solid Waste	
Curbside Recycling	0
SUBTOTAL	0
Storm Water Drainage	
Storm Water Drainage	0
Capital Facilities	507,500
SUBTOTAL	507,500
Total	\$8,694,492

Department:
Utility Services

Division:
Water Production

Fund:
Water

Account No:
201-550-501

Resource Summary	2016	2017	2018
Expenditure Categories	Actual	Budget	Recommend
Personnel Services	\$ 884,865	\$ 934,905	\$ 973,503
Operation and Maintenance	625,565	628,283	649,133
Capital Outlay	<u>657,785</u>	<u>320,000</u>	<u>290,000</u>
Total	\$ <u>2,168,215</u>	\$ <u>1,883,188</u>	\$ <u>1,912,636</u>
Total Positions	10	10	10
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Funding by Source			
Water	\$ <u>2,168,215</u>	\$ <u>1,883,188</u>	\$ <u>1,912,636</u>
Total	\$ <u>2,168,215</u>	\$ <u>1,883,188</u>	\$ <u>1,912,636</u>

Program Description:

Supply, filtration, pumping and storage of potable water for the City of Kent are the major responsibilities of this division. The City's water plant treats an average 2.46 million gallons of water per day (MGD) with a present capacity of 6 MGD. With modification, the plant capacity can be doubled. Development of a secondary well field to ensure an adequate future water supply is a major concern of the administration.

Program Comments:

The 2018 recommended operation and maintenance reflects an increase of \$20,850.00 or 3.3% compared to the 2017 budget for the Water Treatment Plant.

Department: Utility Services Division: Water Production Fund: Water Account No: 201-550-501-

Line Description	2016 Actual	2017 Budget	2018 Recommend
7001 Employee - Regular Salaries	\$ 583,993	\$ 617,653	\$ 637,730
7004 Retirement (PERS)	89,153	94,872	98,383
7005 Medicare	9,113	9,826	10,190
7006 Health Insurance	132,750	139,000	147,000
7007 Uniform & Clothing Allow.	0	0	0
7008 Overtime	56,742	60,000	65,000
7009 Unemployment & Workers' Comp	13,114	13,554	15,200
Total Personnel Services	\$ 884,865	\$ 934,905	\$ 973,503
7210 Travel & Training	\$ 2,080	\$ 3,500	\$ 3,500
7280 Vehicle Fuel	6,935	8,000	8,000
7310 Utilities	206,029	197,000	206,000
7320 Communications/Postage	7,461	6,750	7,500
7330 Rents & Leases	3,910	5,000	5,000
7340 Professional Services	3,731	6,000	6,000
7350 Maintenance of Equipment & Facility	44,955	35,000	45,000
7360 Insurance & Bonding	31,862	39,233	39,233
7370 Printing, Photocopy, Advertising	347	800	500
7390 Misc. Contractual Service	40,944	40,600	42,000
7410 Office Supplies	1,252	1,400	1,400
7420 Operating Materials	268,556	278,000	278,000
7440 Small Tools/Minor Equipment	7,503	7,000	7,000
Total Operation & Maintenance	\$ 625,565	\$ 628,283	\$ 649,133
7620 Buildings	0		
7630 Equipment Items > \$2,500	450,342		
WTP Misc Plant Equipment		50,000	50,000
Vehicle Replacement (4x4)(WTP18-03)			30,000
Lime Sludge Truck 1/3 (17-009)		60,000	
7680 Contract	\$ 207,443	\$	\$
Well Cleaning No. 12(WTP18-05)		35,000	35,000
Rehab (2) Rapid Sand Filters		125,000	125,000
Well Field Development		50,000	50,000
Paint KSU Tank			
Total Capital Outlay	\$ 657,785	\$ 320,000	\$ 290,000
Total	\$ 2,168,215	\$ 1,883,188	\$ 1,912,636

Department:
Utility Services

Division:
Water Reclamation

Fund:
Sewer

Account No:
202-550-503

Resource Summary Expenditure Categories	2016 Actual	2017 Budget	2018 Recommend
Personnel Services	\$ 1,116,357	\$ 1,202,606	\$ 1,243,972
Operation and Maintenance	683,558	731,409	767,409
Capital Outlay	<u>213,874</u>	<u>281,000</u>	<u>360,800</u>
Total	<u>\$ 2,013,789</u>	<u>\$ 2,215,015</u>	<u>\$ 2,372,181</u>
Total Positions	13	13	13
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Funding by Source			
Sewer	\$ 2,013,789	\$ 2,215,015	\$ 2,372,181
Lab	<u>0</u>	<u>0</u>	<u>0</u>
Total	<u>\$ 2,013,789</u>	<u>\$ 2,215,015</u>	<u>\$ 2,372,181</u>

Program Description:

The Kent Water Reclamation Facility has a design flow of 5.0 million gallons per day and is currently treating an average daily flow of 2.30 million gallons (2011 data). The overall treatment process is termed *advanced secondary activated sludge* and utilizes physical, chemical and biological methods for the removal of conventional pollutants in addition to phosphorus and ammonia from the sewage waste stream.

Major treatment processes include influent screening, grit removal, ferrous chloride addition, pre-aeration, primary clarification, alkalinity addition, aeration, secondary clarification, chlorination, de-chlorination, post-aeration, anaerobic digestion, belt press bio-solids dewatering and bio-solids disposal/reuse. The treated water is discharged into the Cuyahoga River via an NPDES permit issued by the Ohio EPA. The stabilized and dewatered bio-solids are transported to the PPG land reclamation site in Barberton, Ohio for the purpose of beneficial reuse.

This division also is responsible for the operation and maintenance of eight off-site sewage pump stations and the Kent Dam waterfall pumping system.

Program Comments:

The 2018 recommended operation and maintenance reflects an increase of 4.9%, or \$36,000.00 compared to the 2017 budget.

Department: Utility Services Division: Water Reclamation Fund: Sewer Account No: 202-550-503-

Line Description	2016 Actual	2017 Budget	2018 Recommend
7001 Employee - Regular Salaries	\$ 779,374	\$ 842,076	\$ 871,549
7004 Retirement (PERS)	111,617	121,811	125,377
7005 Medicare	10,341	12,617	12,986
7006 Health Insurance	174,375	180,700	191,100
7007 Uniform & Clothing Allowance	0	0	0
7008 Overtime	24,116	28,000	24,000
7009 Unemployment & Workers' Comp	16,534	17,402	18,960
Total Personnel Services	\$ 1,116,357	\$ 1,202,606	\$ 1,243,972
7210 Travel & Training	\$ 2,880	\$ 5,000	\$ 7,500
7280 Vehicle Fuel	4,645	8,000	8,000
7310 Utilities	214,266	211,500	226,000
7320 Communications/Postage	12,913	12,000	13,500
7330 Rents & Leases	1,925	4,000	2,500
7340 Professional Services	32,181	37,000	37,000
7350 Maintenance of Equipment & Facility	40,041	65,000	65,000
7360 Insurance & Bonding	36,967	42,709	42,709
7370 Printing, Photocopy, Advertising	455	400	400
7390 Misc. Contractual Service	116,596	129,800	149,800
7410 Office Supplies	650	2,000	1,500
7420 Operating Materials	216,333	210,000	210,000
7440 Small Tools/Minor Equipment	3,706	4,000	3,500
Total Operation & Maintenance	\$ 683,558	\$ 731,409	\$ 767,409
7630 Equipment Items > \$2,500	\$ 210,914	\$	\$
WRF-Misc Plant Equipment		50,000	50,000
SCADA Updates		15,000	
Final Clarifiers Weir Covers		25,000	25,000
Lab Exhaust Hood		16,000	
Lime Sludge Truck 1/3 (17-009)		60,000	
Motor Control Replacement			175,000
Radios For Lift Station			39,000
Influent Barscreen Rehab Project			
Single Stack Dishwasher			12,000
Concrete Repair Project(WR-17-03)		5,000	
Replace Dissolved O2Probes			9,800
Electrical Replacement			
Sand Blast and Final Coat Clarifier			50,000
7680 Contract	2,960		
Waterfall/Dam Upkeep		10,000	
D.A.F. Bldg. Roof Repair/Replacement		100,000	
Total Capital Outlay	\$ 213,874	\$ 281,000	\$ 360,800
Total	\$ 2,013,789	\$ 2,215,015	\$ 2,372,181

Department: Utility Services	Division: Capital Facilities	Fund: Water, Sewer & Storm	Account No: 201-550-502 202-550-505 208-550-508
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Resource Summary Expenditure Categories	2016 Actual	2017 Budget	2018 Recommend
Personnel Services	\$	\$ -	\$
Operation and Maintenance	808		
Capital Outlay	<u>859,766</u>	<u>2,640,833</u>	<u>4,409,675</u>
Total	<u>\$ 860,574</u>	<u>\$ 2,640,833</u>	<u>\$ 4,409,675</u>
Total Positions	0	0	0
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Funding by Source			
Water	\$ 420,386	\$ 1,440,833	\$ 1,249,675
Sewer	166,058	740,000	2,652,500
Storm Water Drainage	<u>274,130</u>	<u>460,000</u>	<u>507,500</u>
Total	<u>\$ 860,574</u>	<u>\$ 2,640,833</u>	<u>\$ 4,409,675</u>

Program Description:

This cost center covers capital improvements to the water and sewer infrastructure that are not specifically related to plant operations. Beginning in 2008, storm water drainage capital improvements were included in this cost center.

Program Comments:

This division is used to fund implementation of the five year capital improvement plan on an annual basis relative to public utilities. All project expenditures are presented to City Council in the annual CIP Plan Update.

Department:
Utility Services

Division:
Capital Facilities

Fund:
Water, Sewer &
Storm Water Drainage

Account No:
201-550-502-
202-550-505-
208-550-508-

Line Description	2016 Actual	2017 Budget	2018 Recommend
7340 Professional Services	808		
7360 Insurance & Bonding	0		
7370 Printing, Photocopy & Advertising	0		
7420 Operating Materials	0		
Total Operation & Maintenance	\$ 808	\$ 0	\$ 0
7610 Lands	\$	\$	\$
7630 Equipment	0		
Confined Space Entry Unit4(FD-15-06)			
7680 Contract	859,766		
Tonkin Court Reconstruction		376,232	
Valleyview/Morris Water and Storm		877,684	150,000
River Street Sanitary Swr Replacement		710,000	
Annual Street Program		20,000	20,000
Garth/Spaulding/Suzanne Waterline (2013-013)			962,175
Ph 1 Cedar St Reconstr & Sanitary		100,000	660,000
North-Central Sanitary Sewer Study			50,000
North-Central Sanitary Sewer Temporary			300,000
Storm Water Utility Phase 2			75,000
Utility Mapping Update			22,500
Southwest Sanitary Pump Station			2,170,000
Total Capital Outlay	\$ 859,766	\$ 2,083,916	\$ 4,409,675
Total	\$ 860,574	\$ 2,083,916	\$ 4,409,675



Department:
Utility Services

Division:
Capital Facilities

Fund:
Water, Sewer, & Storm Drainage

Account No:
201-550-502-
202-550-505-
208-550-508-

Line Description	Water	Sewer	Storm Water Drainage	2018 Total
7340 Professional Services				0
7360 Insurance & Bonding				0
7370 Printing, Photocopy & Advertising				0
7420 Operating Materials				0
Total Operation & Maintenance	\$ 0	\$ 0	\$ 0	0
7610 Land				0
7630 Capital Equipment >\$2500				0
7680 Contract				0
Valleyview/Morris Water and Storm			150,000	150,000
Annual Street Program			20,000	20,000
Garth/Spaulding/Suzanne Waterline (2013-013)	962,175			962,175
Ph 1 Cedar St Recon. & Sanitary Replcmnt	280,000	125,000	255,000	660,000
North-Central Sanitary Sewer Study		50,000		50,000
North-Central Sanitary Swr Temp. Repairs		300,000		300,000
Storm Water Utility Phase 2			75,000	75,000
Utility Mapping Update	7,500	7,500	7,500	22,500
Southwest Sanitary Pump Station		2,170,000		2,170,000
Total Capital Outlay	\$ 1,249,675	\$ 2,652,500	\$ 507,500	\$ 4,409,675
Total	\$ 1,249,675	\$ 2,652,500	\$ 507,500	\$ 4,409,675