



Utility Services

<u>FUNDING BY PROGRAM AREA</u>	<u>2017 RECOMMEND</u>
BASIC UTILITY SERVICES	
Water	
Water Plant Operations	\$1,563,188
Water Plant Capital	320,000
Capital Facilities	1,440,833
SUBTOTAL	3,324,021
Water Reclamation	
Water Rec.Plant Operations	1,934,015
Water Rec. Plant Capital	281,000
Capital Facilities	740,000
SUBTOTAL	2,955,015
Solid Waste	
Curbside Recycling	0
SUBTOTAL	0
Storm Water Drainage	
Storm Water Drainage	0
Capital Facilities	460,000
SUBTOTAL	460,000
Total	\$6,739,036

Department:
Utility Services

Division:
Water Production

Fund:
Water

Account No:
201-550-501

Resource Summary	2015	2016	2017
Expenditure Categories	Actual	Budget	Recommend
Personnel Services	\$ 887,343	\$ 906,656	\$ 934,905
Operation and Maintenance	560,934	630,633	628,283
Capital Outlay	<u>232,775</u>	<u>430,000</u>	<u>320,000</u>
Total	<u>\$ 1,681,052</u>	<u>\$ 1,967,289</u>	<u>\$ 1,883,188</u>
Total Positions	10	10	10
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Funding by Source			
Water	\$ <u>1,681,052</u>	\$ <u>1,967,289</u>	\$ <u>1,883,188</u>
Total	<u>\$ 1,681,052</u>	<u>\$ 1,967,289</u>	<u>\$ 1,883,188</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 2017 recommended operation and maintenance reflects a decrease of \$2,350.00 or .37% compared to the 2016 budget for the Water Treatment Plant.

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

Line Description	2015 Actual	2016 Budget	2017 Recommend
7001 Employee - Regular Salaries	\$ 589,350	\$ 598,211	\$ 617,653
7004 Retirement (PERS)	90,412	92,150	94,872
7005 Medicare	9,162	9,545	9,826
7006 Health Insurance	130,500	135,000	139,000
7007 Uniform & Clothing Allow.	0	0	0
7008 Overtime	60,418	60,000	60,000
7009 Unemployment & Workers' Comp	7,501	11,750	13,554
Total Personnel Services	\$ 887,343	\$ 906,656	\$ 934,905
7210 Travel & Training	\$ 1,456	\$ 3,500	\$ 3,500
7280 Vehicle Fuel	6,334	10,000	8,000
7310 Utilities	185,570	198,100	197,000
7320 Communications/Postage	6,582	6,000	6,750
7330 Rents & Leases	5,320	5,000	5,000
7340 Professional Services	3,217	6,000	6,000
7350 Maintenance of Equipment & Facility	30,289	35,000	35,000
7360 Insurance & Bonding	32,768	39,233	39,233
7370 Printing, Photocopy, Advertising	686	800	800
7390 Misc. Contractual Service	36,874	40,600	40,600
7410 Office Supplies	723	1,400	1,400
7420 Operating Materials	244,402	278,000	278,000
7440 Small Tools/Minor Equipment	6,713	7,000	7,000
Total Operation & Maintenance	\$ 560,934	\$ 630,633	\$ 628,283
7620 Buildings	0		
7630 Equipment Items>\$2,500	167,051		
WTP Misc Plant Equipment		50,000	50,000
Vehicle Replacement (4x4)(WT-15-10)		30,000	
Lime Sludge Truck 1/3 (17-009)			60,000
7680 Contract	\$ 65,724	\$	
Well Cleaning No. 11(WT-17-02)		0	35,000
Remove & Replace Pavement		350,000	
Rehab (2) Rapid Sand Filters			125,000
Well Field Development			50,000
Total Capital Outlay	\$ 232,775	\$ 430,000	\$ 320,000
Total	\$ 1,681,052	\$ 1,967,289	\$ 1,883,188

Department:
Utility Services

Division:
Water Reclamation

Fund:
Sewer

Account No:
202-550-503

Resource Summary	2015	2016	2017
Expenditure Categories	Actual	Budget	Recommend
Personnel Services	\$ 1,089,776	\$ 1,162,410	\$ 1,202,606
Operation and Maintenance	593,322	710,159	731,409
Capital Outlay	<u>223,057</u>	<u>715,048</u>	<u>281,000</u>
Total	<u>\$ 1,906,155</u>	<u>\$ 2,587,617</u>	<u>\$ 2,215,015</u>
Total Positions	13	13	13
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Funding by Source			
Sewer	\$ 1,906,155	\$ 2,587,617	\$ 2,215,015
Lab	<u>0</u>	<u>0</u>	<u>0</u>
Total	<u>\$ 1,906,155</u>	<u>\$ 2,587,617</u>	<u>\$ 2,215,015</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 2017 recommended operation and maintenance reflects an increase of 3.0%, or \$21,250.00 compared to the 2016 budget.

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

Line Description	2015 Actual	2016 Budget	2017 Recommend
7001 Employee - Regular Salaries	\$ 757,957	\$ 815,570	\$ 842,076
7004 Retirement (PERS)	110,674	117,900	121,811
7005 Medicare	10,306	12,210	12,617
7006 Health Insurance	157,688	175,500	180,700
7007 Uniform & Clothing Allowance	0	0	0
7008 Overtime	43,727	26,500	28,000
7009 Unemployment & Workers' Comp	9,424	14,730	17,402
Total Personnel Services	\$ 1,089,776	\$ 1,162,410	\$ 1,202,606
7210 Travel & Training	\$ 3,356	\$ 7,200	\$ 5,000
7280 Vehicle Fuel	5,386	11,000	8,000
7310 Utilities	181,247	191,100	211,500
7320 Communications/Postage	10,663	11,500	12,000
7330 Rents & Leases	5,519	5,000	4,000
7340 Professional Services	36,858	30,500	37,000
7350 Maintenance of Equipment & Facility	35,560	65,000	65,000
7360 Insurance & Bonding	35,851	42,709	42,709
7370 Printing, Photocopy, Advertising	117	350	400
7390 Misc. Contractual Service	93,582	129,800	129,800
7410 Office Supplies	1,130	2,000	2,000
7420 Operating Materials	183,279	210,000	210,000
7440 Small Tools/Minor Equipment	774	4,000	4,000
Total Operation & Maintenance	\$ 593,322	\$ 710,159	\$ 731,409
7630 Equipment Items > \$2,500	\$ 186,765	\$	\$
WRF-Misc Plant Equipment		50,000	50,000
SCADA Updates			15,000
Final Clarifiers Weir Covers			25,000
Lab Exhaust Hood			16,000
Lime Sludge Truck 1/3 (17-009)			60,000
Electrical Generator Study		45,000	
2-Digester Heat Exchangers		514,100	
Influent Barscreen Rehab Project		15,948	
1- Autosampler		5,000	
Concrete Repair Project(WR-17-03)		0	5,000
WRF Dump Truck Replcmnt(WR-18-02)		20,000	
Electrical Replacement		15,000	
Rebuild Secondary Clarifier		50,000	
7680 Contract	36,292		
Waterfall/Dam Upkeep			10,000
D.A.F. Bldg. Roof Repair/Replacement			100,000
Total Capital Outlay	\$ 223,057	\$ 715,048	\$ 281,000
Total	\$ 1,906,155	\$ 2,587,617	\$ 2,215,015

Department:
Utility Services

Division:
Capital Facilities

Fund:
Water, Sewer & Storm

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

Resource Summary	2015	2016	2017
Expenditure Categories	Actual	Budget	Recommend
Personnel Services	\$	\$	\$
Operation and Maintenance	491		
Capital Outlay	<u>1,999,444</u>	<u>1,267,897</u>	<u>2,640,833</u>
Total	<u>\$ 1,999,935</u>	<u>\$ 1,267,897</u>	<u>\$ 2,640,833</u>
Total Positions	0	0	0
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Funding by Source			
Water	\$ 101,772	\$ 952,097	\$ 1,440,833
Sewer	37,386	315,800	740,000
Storm Water Drainage	<u>1,860,777</u>	<u>0</u>	<u>460,000</u>
Total	<u>\$ 1,999,935</u>	<u>\$ 1,267,897</u>	<u>\$ 2,640,833</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:	Division:	Fund:	Account No:
Utility Services	Capital Facilities	Water, Sewer & Storm Water Drainage	201-550-502- 202-550-505- 208-550-508-

Line Description	2015 Actual	2016 Budget	2017 Recommend
7340 Professional Services	491		
7360 Insurance & Bonding	0		
7370 Printing, Photocopy & Advertising	0		
7420 Operating Materials	0		
Total Operation & Maintenance	\$ 491	\$ 0	\$ 0
7610 Lands	\$	\$	\$
7630 Equipment	15,285		
Confined Space Entry Unit4(FD-15-06)			
7680 Contract	1,984,159		
Tonkin Court Reconstruction		211,443	149,833
Valleyview/Morris Water and Storm		78,000	867,000
River Street Sanitary Swr Replacement		60,000	710,000
Annual Street Program		50,000	20,000
Garth/Spaulding/Suzanne Waterline (2013-013)		21,791	794,000
Ph 1 Cedar St Reconstr & Sanitary			100,000
Area Q Ph.5 (Irma/Diedrich)-Construction		5,000	
Summit St Traffic(1992-013)		8,850	
Pine Street Constr-Ph II(2010-010)		151,000	
Miller/Harvey/Steel Storm & Water Repl		124,419	
River St/Mill Race Storm Outfall		215,000	
College Ave. Sanitary Swr Repairs		14,000	
Hudson Rd. Storm Sewer Repairs		11,000	
KSU Meter(2014-004)		8,865	
Hudson Rd. Water Main Replacement		18,916	
Southwest Sanitary Pump Station		203,913	
Sanitary Sewer Model Calibration		7,700	
Assessment Sanitary Lines @ Mogadore Rd.		50,000	
Replcmnt Storm Swr&Headwall@Stow St. Bridge		28,000	
Total Capital Outlay	\$ 1,999,444	\$ 1,267,897	\$ 2,640,833
Total	\$ 1,999,935	\$ 1,267,897	\$ 2,640,833

Department:	Division:	Fund:	Account No:
Utility Services	Capital Facilities	Water, Sewer, & Storm Drainage	201-550-502- 202-550-505- 208-550-508-

Line Description	Water	Sewer	Storm Water Drainage	2017 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
Confined Space Entry Unit 4(FD-15-06)				0
7680 Contract				0
Tonkin Court Reconstruction	149,833			149,833
Valleyview/Morris Water and Storm	467,000		400,000	867,000
River Street Sanitary Swr Replacement		710,000		710,000
Annual Street Program			20,000	20,000
Garth/Spaulding & Suzanne Waterline	794,000			794,000
Ph 1 Cedar St Reconstr & Sanitary	30,000	30,000	40,000	100,000
Total Capital Outlay	\$ 1,440,833	\$ 740,000	\$ 460,000	2,640,833
Total	\$ 1,440,833	\$ 740,000	\$ 460,000	2,640,833