

Utility Services

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

Department: Uti lity Services	Division: Water Productio	Fund: on Water	Account No: 201-550-501
Resource Summary Expenditure Categories	2015 Actual	2016 2017 Budget Recommend	
Personnel Services Operation and Maintenance Capital Outlay Total	\$ 887,343 560,934 232,775 \$ 1,681,052	\$ 906,656 \$ 934,905 630,633 628,283 430,000 320,000 \$ 1,967,289 \$ 1,883,188	
Total Positions	10	10 10	
Funding by Source Water Total	\$ 1,681,052 \$ 1,681,052	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	n'i

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	n	Fund: Water	Account 201-550-	
Line Description		2015 Actual	2016 Budget	2017 Recommend	
7001 Employee - Regular 7004 Retirement (PERS) 7005 Medicare 7006 Health Insurance 7007 Uniform & Clothing 7008 Overtime		589,350 90,412 9,162 130,500 0 60,418	\$ 598,211 92,150 9,545 135,000 0 60,000	\$ 617,653 94,872 9,826 139,000 0 60,000	
7009 Unemployment & W	_	7,501	11,750	13,554	
Total Personnel Serv	vices \$	887,343	\$ 906,656	\$ 934,905	
7210 Travel & Training7280 Vehicle Fuel7310 Utilities7320 Communications/Po	\$	1,456 6,334 185,570 6,582	\$ 3,500 10,000 198,100 6,000	\$ 3,500 8,000 197,000 6,750	
7330 Rents & Leases7340 Professional Service	s	5,320 3,217	5,000 6,000	5,000 6,000	
7350 Maintenance of Equ 7360 Insurance & Bondin	g	30,289 32,768 686	35,000 39,233 800	35,000 39,233 800	
7370 Printing, Photocopy, 7390 Misc. Contractual Se		36,874 723	40,600 1,400	40,600 1,400	
7410 Office Supplies7420 Operating Materials7440 Small Tools/Minor I	Equipment	244,402 6,713	278,000 7,000	278,000 7,000	
Total Operation & N	Maintenance \$	560,934	\$ 630,633	\$ 628,283	
7620 Buildings		0			
7630 Equipment Items>\$2 WTP Misc Plant Eq Vehicle Replacemen	uipment nt (4x4)(WT-15-10	167,051	50,000 30,000	50,000	
Lime Sludge Truck	1/3 (17-009)			60,000	
7680 Contract Well Cleaning No. 1 Remove & Replace Rehab (2) Rapid San	Pavement	65,724	\$ 0 350,000	\$ 35,000 125,000	
Well Field Develop	ment			50,000	
Total Capital Outlay		232,775	 430,000		
Total	\$	1,681,052	\$ 1,967,289	\$ 1,883,188	

Department:	Division:	Fund:	Account No: 202-550-503
Utility Services	Water Reclamation	Sewer	
Resource Summary	2015	2016 2017	oon limi
Expenditure Categories	Actual	Budget Recommend	
Personnel Services	\$ 1,089,776	\$ 1,162,410 \$ 1,202,606	_
Operation and Maintenand	593,322	710,159 731,409	
Capital Outlay	223,057	715,048 281,000	
Total	\$ 1,906,155	\$ 2,587,617 \$ 2,215,015	
Total Positions	13	13 13	=
Funding by Source Sewer Lab Total	\$ 1,906,155 0 \$ 1,906,155	\$ 2,587,617 \$ 2,215,015 0 0 \$ 2,587,617 \$ 2,215,015	_

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 Reclan	na	ition		Fund: Sewer		Account N 202-550-50	
			2015		2016		2017	
Line Description			2015 Actual		2016 Budget		2017 Recommend	
Line Description			Actual		Duaget		Recommend	
7001 Employee - Regular S	alaries \$		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 A	Allowance		0		0		0	
7008 Overtime			43,727		26,500		28,000	
7009 Unemployment & Wo	rkers' Comp		9,424		14,730		17,402	
Total Personnel Servi	ces \$	_	1,089,776	\$	1,162,410	\$	1,202,606	
7210 Travel & Training	\$		3,356	2	7,200	2	5,000	
7280 Vehicle Fuel	Ψ	'	5,386	Ψ	11,000	Ψ	8,000	
7310 Utilities			181,247		191,100		211,500	
7320 Communications/Post	age		10,663		11,500		12,000	
7330 Rents & Leases	age		5,519		5,000		4,000	
7340 Professional Services			36,858		30,500		37,000	
7350 Maintenance of Equip	ment & Facility		35,560		65,000		65,000	
7360 Insurance & Bonding	mont & racinty		35,851		42,709		42,709	
7370 Printing, Photocopy, A	Advertising		117		350		400	
7390 Misc. Contractual Ser	_		93,582		129,800		129,800	
7410 Office Supplies	VICC		1,130		2,000		2,000	
7420 Operating Materials			183,279		210,000		210,000	
7440 Small Tools/Minor Ed	nuinment		774		4,000		4,000	
,,,,,	1				,,,,,,		.,000	
Total Operation & Ma	aintenance \$	-	593,322	\$	710,159	\$	731,409	
7630 Equipment Items > \$2	2,500 \$		186,765	\$		\$		
WRF-Misc Plant Equ		•	100,702	*	50,000	Ψ	50,000	
SCADA Updates	ipinioni				50,000		15,000	
Final Clarifiers Weir	Covers						25,000	
Lab Exhaust Hood	Covers						16,000	
Lime Sludge Truck 1/	(17 000)						60,000	
Electrical Generator S					45,000		00,000	
	•							
2-Digester Heat Exch	_				514,100			
Influent Barscreen Re	nao Project				15,948			
1- Autosampler	(NID 17 02)				5,000		5,000	
Concrete Repair Proje		~	3)		0		5,000	
WRF Dump Truck Re	•	·U.	2)		20,000			
Electrical Replacement					15,000			
Rebuild Secondary Cl	laritier				50,000			
7680 Contract			36,292					
Waterfall/Dam Upkee	-						10,000	
D.A.F. Bldg. Roof Re	pair/Replacemer	nt					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 Faciliti	Division: Capital Facilities			Fund: Water, Sewer & Storm				
Resource Summary Expenditure Categories		2015 Actual		2016 Budget	,	2017 Recommend	202-550-505 208-550-508		
Personnel Services Operation and Maintenand	\$	491	\$		\$				
Capital Outlay		1,999,444	_	1,267,897	_	2,640,833			
Total	\$:	1,999,935	\$_	1,267,897	\$ =	2,640,833			
Total Positions		0		0		0			
Funding by Source									
Water	\$	101,772	\$	952,097	\$	1,440,833			
Sewer		37,386		315,800		740,000			
Storm Water Drainage		1,860,777	-	0	_	460,000			
Total	\$	1,999,935	\$_	1,267,897	\$ _	2,640,833			

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.

Contract	Depart Utility	tment: / Services	Division: Capital Facilities	V	Fund: Vater, Sewer Storm Water	Account No: 201-550-502-202-550-505-208-550-508-	-			
Actual Budget Recommend					2015		2016		2017	
Total Operation & Maintenance Sanitary	Line D	Description			Actual		Budget		Recommend	
Total Operation & Maintenance Sanitary										
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) 1,984,159 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 215000 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 <td></td>										
Total Operating Materials 0		_			_					
Total Operation & Maintenance			Advertising							
Tool Lands \$ \$ \$ \$ \$ \$ \$ \$ \$	7420	Operating Materials			0					
7630 Equipment Confined Space Entry Unit4(FD-15-06) 7680 Contract 1,984,159 1,984,159 Tonkin Court Reconstruction Valleyview/Morris Water and Storm 78,000 867,000 211,443 149,833 Valleyview/Morris Water and Storm 60,000 710,000 867,000 20,000 River Street Sanitary Swr Replacement 50,000 20,000 20,000 20,000 Annual Street Program 50,000 21,791 794,000 21,791 794,000 Ph 1 Cedar St Reconstr & Sanitary 100,000 100,000 Area Q Ph.5 (Irma/Diedrich)-Construction Summit St Traffic(1992-013) 8,850 8,850 Pine Street Constr-Ph II(2010-010) 151,000 151,000 Miller/Harvey/Steel Storm & Water Repl 124,419 124,419 River St/Mill Race Storm Outfall 215000 215000 College Ave. Sanitary Swr Repairs 14,000 14,000 Hudson Rd. Storm Sewer Repairs 11,000 8,865 Hudson Rd. Water Main Replacement 18,916		Total Operation & Mair	ntenance	\$	491	\$	0	\$	0	_
7630 Equipment Confined Space Entry Unit4(FD-15-06) 7680 Contract 1,984,159 1,984,159 Tonkin Court Reconstruction Valleyview/Morris Water and Storm 78,000 867,000 211,443 149,833 Valleyview/Morris Water and Storm 60,000 710,000 867,000 20,000 River Street Sanitary Swr Replacement 50,000 20,000 20,000 20,000 Annual Street Program 50,000 21,791 794,000 21,791 794,000 Ph 1 Cedar St Reconstr & Sanitary 100,000 100,000 Area Q Ph.5 (Irma/Diedrich)-Construction Summit St Traffic(1992-013) 8,850 8,850 Pine Street Constr-Ph II(2010-010) 151,000 151,000 Miller/Harvey/Steel Storm & Water Repl 124,419 124,419 River St/Mill Race Storm Outfall 215000 215000 College Ave. Sanitary Swr Repairs 14,000 14,000 Hudson Rd. Storm Sewer Repairs 11,000 8,865 Hudson Rd. Water Main Replacement 18,916	7610	Londo		¢		¢.		d d		_
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KSU Meter(2014-004) 8,865 Hudson Rd. Water Main Replacement 18,916		College Ave. Sanitary	Swr Repairs				14,000)		
Hudson Rd. Water Main Replacement 18,916		Hudson Rd. Storm Sev	wer Repairs				11,000)		
A00 V (175)		KSU Meter(2014-004)					8,865	i		
Southwest Sanitary Pump Station 203,913		Hudson Rd. Water Ma	ain Replacement				18,916)		
							203,913			
Sanitary Sewer Model Calibration 7,700	55455						7,700)		
Assessment Sanitary Lines @ Mogadore Rd. 50,000	•									
Replcmnt Storm Swr&Headwall@Stow St. Bridge 28,000		Replemnt Storm Swr&	&Headwall@Stow	St. I	Bridge		28,000)		
Total Capital Outlay \$ 1,999,444 \$ 1,267,897 \$ 2,640,833		Total Capital Outlav		\$	1,999,444	\$	1,267.897	' \$	2,640,833	
Total \$ 1,999,935 \$ 1,267,897 \$ 2,640,833	Total									=

Department: Utility Services	Division: Capital Facilities	_	Fund: Vater,Sewer, &	Account No: 201-550-502-202-550-505-208-550-508-		
Line Description			Water	Sewer	Storm Water Drainage	2017 Total
Eme Description			vv ater	Bewei	Diamage	Total
7340 Professional Services						0
7360 Insurance & Bonding						0
7370 Printing, Photocopy &	& Advertising					0
7420 Operating Materials						0
Total Operation & Ma	\$	0 \$	0 \$	0 \$	0	
7610 11						0
7610 Land	2500					0
7630 Capital Equipment>\$ Confined Space Ent						0
7680 Contract	ry Omt4(FD-15-00)					0
Tonkin Court Recor	struction		149,833			149,833
Valleyview/Morris V			467,000		400,000	867,000
River Street Sanitar			,	710,000	,	710,000
Annual Street Progr	-			•	20,000	20,000
Garth/Spaulding &	Suzanne Waterline		794,000			794,000
Ph 1 Cedar St Recor	nstr & 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