



# Utility Services

<u>FUNDING BY PROGRAM AREA</u>	<u>2020 RECOMMEND</u>
<b>BASIC UTILITY SERVICES</b>	
Water	
Water Plant Operations	\$1,728,948
Water Plant Capital	760,000
Capital Facilities	172,500
<b>SUBTOTAL</b>	<b>2,661,448</b>
Water Reclamation	
Water Rec.Plant Operations	2,113,823
Water Rec. Plant Capital	866,000
Capital Facilities	12,500
<b>SUBTOTAL</b>	<b>2,992,323</b>
Solid Waste	
Curbside Recycling	0
<b>SUBTOTAL</b>	<b>0</b>
Storm Water Drainage	
Storm Water Drainage	0
Capital Facilities	12,500
<b>SUBTOTAL</b>	<b>12,500</b>
<b>Total</b>	<b>\$5,666,271</b>

Department:  
Utility Services

Division:  
Water Production

Fund:  
Water

Account No:  
201-550-501

Resource Summary	2018	2019	2020
Expenditure Categories	Actual	Budget	Recommend
Personnel Services	\$ 903,821	\$ 1,006,240	\$ 1,041,527
Operation and Maintenance	621,302	656,133	687,421
Capital Outlay	78,213	100,000	760,000
Total	<u>\$ 1,603,336</u>	<u>\$ 1,762,373</u>	<u>\$ 2,488,948</u>
Total Positions	10	10	10
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Funding by Source			
Water	\$ 1,603,336	\$ 1,762,373	\$ 2,488,948
Total	<u>\$ 1,603,336</u>	<u>\$ 1,762,373</u>	<u>\$ 2,488,948</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 2020 recommended operation and maintenance reflects an increase of \$31,288.00 or 4.77% compared to the 2019 budget for the Water Treatment Plant.

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

Line Description	2018 Actual	2019 Budget	2020 Recommend
7001 Employee - Regular Salaries	\$ 574,983	\$ 656,862	\$ 683,137
7004 Retirement (PERS)	90,524	101,061	105,104
7005 Medicare	9,232	10,467	10,886
7006 Health Insurance	137,200	156,000	165,000
7007 Uniform & Clothing Allow.	0	0	0
7008 Overtime	75,528	65,000	60,000
7009 Unemployment & Workers' Comp	16,354	16,850	17,400
<b>Total Personnel Services</b>	<b>\$ 903,821</b>	<b>\$ 1,006,240</b>	<b>\$ 1,041,527</b>
7210 Travel & Training	\$ 965	\$ 3,500	\$ 3,500
7280 Vehicle Fuel	6,096	8,000	8,200
7310 Utilities	206,237	213,000	214,988
7320 Communications/Postage	7,732	7,500	8,500
7330 Rents & Leases	890	5,000	5,000
7340 Professional Services	6,952	6,000	22,000
7350 Maintenance of Equipment & Facility	54,812	45,000	45,000
7360 Insurance & Bonding	32,940	39,233	39,233
7370 Printing, Photocopy, Advertising	533	500	600
7390 Misc. Contractual Service	52,812	42,000	26,000
7410 Office Supplies	798	1,400	1,400
7420 Operating Materials	245,530	278,000	306,000
7440 Small Tools/Minor Equipment	5,005	7,000	7,000
<b>Total Operation &amp; Maintenance</b>	<b>\$ 621,302</b>	<b>\$ 656,133</b>	<b>\$ 687,421</b>
7620 Buildings	0		
7630 Equipment Items > \$2,500	25,396		
WTP Misc Plant Equipment		50,000	50,000
7680 Contract	\$ 52,817	\$	
Well Cleaning No. 10			35,000
Paint KSU Tank			500,000
Gravel Refill Basin			125,000
Well Field Development		50,000	50,000
<b>Total Capital Outlay</b>	<b>\$ 78,213</b>	<b>\$ 100,000</b>	<b>\$ 760,000</b>
<b>Total</b>	<b>\$ 1,603,336</b>	<b>\$ 1,762,373</b>	<b>\$ 2,488,948</b>

Department:  
Utility Services

Division:  
Water Reclamation

Fund:  
Sewer

Account No:  
202-550-503

Resource Summary	2018	2019	2020
Expenditure Categories	Actual	Budget	Recommend
Personnel Services	\$ 1,201,857	\$ 1,294,814	\$ 1,351,719
Operation and Maintenance	681,842	731,859	762,104
Capital Outlay	331,437	195,000	866,000
Total	<u>\$ 2,215,136</u>	<u>\$ 2,221,673</u>	<u>\$ 2,979,823</u>
Total Positions	13	13	13
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Funding by Source			
Sewer	\$ 2,215,136	\$ 2,221,673	\$ 2,979,823
Lab	0	0	0
Total	<u>\$ 2,215,136</u>	<u>\$ 2,221,673</u>	<u>\$ 2,979,823</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 2020 recommended operation and maintenance reflects an increase of 4.13%, or \$30,245.00 compared to the 2019 budget.

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

Line Description	2018 Actual	2019 Budget	2020 Recommend
7001 Employee - Regular Salaries	\$ 843,475	\$ 906,411	\$ 942,668
7004 Retirement (PERS)	121,309	129,700	134,880
7005 Medicare	12,255	13,433	13,971
7006 Health Insurance	176,400	202,800	214,500
7007 Uniform & Clothing Allowance	0	0	0
7008 Overtime	26,525	20,000	23,000
7009 Unemployment & Workers' Comp	21,893	22,470	22,700
<b>Total Personnel Services</b>	<b>\$ 1,201,857</b>	<b>\$ 1,294,814</b>	<b>\$ 1,351,719</b>
7210 Travel & Training	\$ 1,625	\$ 6,000	\$ 12,000
7280 Vehicle Fuel	6,575	8,000	8,000
7310 Utilities	225,837	218,500	225,245
7320 Communications/Postage	13,890	13,500	16,000
7330 Rents & Leases	1,316	2,500	2,500
7340 Professional Services	25,271	40,000	40,000
7350 Maintenance of Equipment & Facility	91,801	70,000	85,000
7360 Insurance & Bonding	35,838	42,709	42,709
7370 Printing, Photocopy, Advertising	396	650	650
7390 Misc. Contractual Service	117,738	155,000	155,000
7410 Office Supplies	0	1,500	1,500
7420 Operating Materials	157,285	170,000	170,000
7440 Small Tools/Minor Equipment	4,270	3,500	3,500
<b>Total Operation &amp; Maintenance</b>	<b>\$ 681,842</b>	<b>\$ 731,859</b>	<b>\$ 762,104</b>
7630 Equipment Items > \$2,500	\$ 288,207	\$	\$
WRF-Misc Plant Equipment		50,000	50,000
SCADA Updates		20,000	
Final Clarifiers Weir Covers		60,000	
New Water Plant Pump			5,000
Emergency Generator Hook-up			20,000
Post Aeration Back-up Aerator			45,000
WRF Boiler Replacement			45,000
Replace 2 return pumps			75,000
Single Stack Dishwasher			
Concrete Repair Project(WR-17-03)		5,000	
Replace Dissolved O2Probes			
Electrical Replacement			15,000
Sand Blast and Final Coat Clarifier		50,000	
7680 Contract	43,230		
Waterfall/Dam Upkeep		10,000	
Emergency Replacement of Clarifier			500,000
Installation of Generator into Pretreatment Area			30,000
Final Clarifiers Rehabilitaton			81,000
<b>Total Capital Outlay</b>	<b>\$ 331,437</b>	<b>\$ 195,000</b>	<b>\$ 866,000</b>
<b>Total</b>	<b>\$ 2,215,136</b>	<b>\$ 2,221,673</b>	<b>\$ 2,979,823</b>

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	2018 Actual	2019 Budget	2020 Recommend
Personnel Services	\$ 0	\$ 0	\$ 0
Operation and Maintenance	731	0	0
Capital Outlay	<u>1,913,845</u>	<u>4,819,000</u>	<u>197,500</u>
Total	<u>\$ 1,914,576</u>	<u>\$ 4,819,000</u>	<u>\$ 197,500</u>
<b>Total Positions</b>	<b>0</b>	<b>0</b>	<b>0</b>

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Funding by Source			
Water	\$ 1,143,753	\$ 1,525,000	\$ 172,500
Sewer	591,328	2,180,000	12,500
Storm Water Drainage	<u>179,495</u>	<u>1,114,000</u>	<u>12,500</u>
Total	<u>\$ 1,914,576</u>	<u>\$ 4,819,000</u>	<u>\$ 197,500</u>

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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-
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Line Description	2018 Actual	2019 Budget	2020 Recommend
7340 Professional Services	731		
7360 Insurance & Bonding	0		
7370 Printing, Photocopy & Advertising	0		
7420 Operating Materials	0		
<b>Total Operation &amp; Maintenance</b>	<b>\$ 731</b>	<b>\$ 0</b>	<b>\$ 0</b>
7610 Lands	\$	\$	\$
7630 Equipment	0		
Confined Space Entry Unit4(FD-15-06)			
7680 Contract	1,913,845		
Hudson Road Water Main Replacement		1,074,000	
Sanitary Sewer Televising		70,000	
Annual Street Program		20,000	
Miller/Harvey/Steel Storm and Water		1,500,000	60,000
Specifications Update		30,000	
SR 59 and 43 Catch Basin Repairs/Replacement		25,000	
Majors/Stinaff/Cuyahoga Waterline			100,000
Engineernig Drawing Update			37,500
Southwest Sanitary Pump Station		2,100,000	
<b>Total Capital Outlay</b>	<b>\$ 1,913,845</b>	<b>\$ 4,819,000</b>	<b>\$ 197,500</b>
<b>Total</b>	<b>\$ 1,914,576</b>	<b>\$ 4,819,000</b>	<b>\$ 197,500</b>





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	2020 Total
7340 Professional Services				0
7360 Insurance & Bonding				0
7370 Printing, Photocopy & Advertising				0
7420 Operating Materials				0
<b>Total Operation &amp; Maintenance</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>0</b>
7610 Land				0
7630 Capital Equipment>\$2500				0
7680 Contract				0
Majors/Stinaff/Cuyahoga Waterline	100,000			100,000
Annual Street Program				0
Engineering Drawing Update	12,500	12,500	12,500	37,500
Miller/Harvey/Steel Storm and Water	60,000			60,000
Specifications Update				0
SR 59 and 43 Catch Basin Repairs/Replacement				0
Storm Water Utility Phase 2				0
Utility Mapping Update				0
Southwest Sanitary Pump Station				0
<b>Total Capital Outlay</b>	<b>\$ 172,500</b>	<b>\$ 12,500</b>	<b>\$ 12,500</b>	<b>197,500</b>
<b>Total</b>	<b>\$ 172,500</b>	<b>\$ 12,500</b>	<b>\$ 12,500</b>	<b>197,500</b>

