

## 2017 Wastewater Capital Improvement Project Summary Sources of Funds

<b>Trust Funds (Balance as of 12/31/16)</b>	
Wastewater Capital Improvement Fund	\$ 32,338,272
2013 Rev Replacement & Improvement Fund	\$ 2,079,627
<b>Total On Hand</b>	<u>\$ 34,417,899</u>
<b>Additional Funds</b>	
From Operations for Capital Contribution (Est from historical averages)	\$ 4,500,000
From Operations - System Capacity Charges (From 5 yr average)	\$ 7,500,000
Assessment Bonds/Notes/Private Funds - Future Projects(2017-2021)	\$ -
Contribution to Meter Replacement	\$ (2,022,200)
Grants	\$ 3,798,053
OPWC (Issue II) & USDA/RD Loans	\$ 4,218,000
<b>Total Source of Funds</b>	<u>\$ 52,411,752</u>
Replacement & Improvement Requirement eliminated in 2021 with payoff of revenue bonds	
Capital Improvement Fund Contingency	\$ 5,000,000
<b>Available Funding for 2017 - 2021 Construction Projects:</b>	<u>\$ 47,411,752</u>

Trust Funds not included above are not available for construction purposes (i.e. Bond Fund Interest, Bond Fund Principal, Escrow Funds)

Problems:

## 2017 Wastewater Capital Improvement Project Summary

	Description	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total	*Adj. 5 yr. Total
6402-	Aicholtz Road Connector - Sewer Replacement	72,000	-	72,000	-	-	-	-	-	72,000	72,000
6402-	Arrowhead Wastewater Treatment Plant Elimination	1,125,000	-	-	125,000	1,000,000	-	-	-	1,125,000	1,125,000
6402-60135	Beechmont South Lift Station Improvements	331,300	10,500	320,800	-	-	-	-	-	331,300	320,800
6402-60106	Bethel Area Sewer Replacement	1,793,936	227,966	546,570	1,019,400	-	-	-	-	1,793,936	1,565,970
6402-	Branch Hill Guinea Rd FM Replacement (BH-Loveland to BH-Miamiville)	27,715	-	27,715	-	-	-	-	-	27,715	27,715
6402-62002	Collection System Rehabilitation	8,350,000	-	-	-	2,000,000	2,000,000	2,000,000	2,350,000	8,350,000	6,000,000
6402-62006	Collection System Rehabilitation - 2016	3,023,550	2,450	3,021,100	-	-	-	-	-	3,023,550	3,021,100
6402-	Collection System Rehabilitation - 2018	2,305,000	-	5,000	2,300,000	-	-	-	-	2,305,000	2,305,000
6402-	Commercial Revenue Enhancement	600,000	-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	500,000
6402-	Computerized Maintenance Management System (CMMS)	150,000	-	-	150,000	-	-	-	-	150,000	150,000
6402-	Concord Lift Station Improvements	170,000	-	-	-	20,000	150,000	-	-	170,000	170,000
6402-	Crescent Drive Lift Station Elimination	155,000	-	-	-	-	-	155,000	-	155,000	155,000
6402-	Environmental Upgrades - WWTP	6,000,000	-	-	-	-	-	-	6,000,000	6,000,000	-
6402-	GIS - Sewer Share	100,000	25,000	25,000	-	25,000	-	25,000	-	100,000	75,000
6402-	Hall Run Sewer Protection	100,000	-	100,000	-	-	-	-	-	100,000	100,000
6402-	Hall Run Sewer Replacement & EQ Expansion	3,013,689	13,689	-	-	-	-	-	3,000,000	3,013,689	-
651-0857	Indianview Lift Station Improvements	424,240	39,240	-	25,000	10,000	350,000	-	-	424,240	385,000
6402-	Lewis Road Trunk Sewer	1,040,000	-	-	90,000	950,000	-	-	-	1,040,000	1,040,000
6402-	Liftstation Generators	300,000	-	100,000	100,000	100,000	-	-	-	300,000	300,000
6402-	LIMS/WIMS Upgrades	66,000	-	66,000	-	-	-	-	-	66,000	66,000
6402-60141	Locust Lake Lift Station and Conveyance Improvements	1,154,680	27,620	92,060	1,035,000	-	-	-	-	1,154,680	1,127,060
6402-	Lower East Fork WWTP Expansion	14,150,000	-	-	-	-	-	-	14,150,000	14,150,000	-
6402-60145	MEF WWTP Safety Improvements	82,000	-	82,000	-	-	-	-	-	82,000	82,000
6402-	Miamiville Proper Sewer Assessment	1,845,000	-	-	-	-	-	-	1,845,000	1,845,000	-
6402-60122	Miamiville Sewer Extension	901,881	862,281	39,600	-	-	-	-	-	901,881	39,600
6402-60003	Mound Street & Spring Street Sewer Petition	1,052,990	68,390	-	-	-	-	-	984,600	1,052,990	-
6402-60136	Naegele Lift Station Improvements	209,500	-	197,600	-	-	-	-	-	209,500	197,600
6402-60137	Nature Run Lift Station Upgrade	355,900	15,000	340,900	-	-	-	-	-	355,900	340,900
6402-60116	Newtonsville Collection System Assessment	3,905,760	388,280	262,480	2,005,000	1,250,000	-	-	-	3,905,760	3,517,480
6402-60117	Newtonsville WWTP	4,213,565	465,040	20,425	2,206,000	1,522,100	-	-	-	4,213,565	3,748,525
6402-	Nine Mile Collection Improvements	1,280,000	-	115,000	65,000	1,100,000	-	-	-	1,280,000	1,280,000
6402-60114	Nine Mile WWTP Blower Upgrade	463,780	26,635	437,145	-	-	-	-	-	463,780	437,145
6402-	Nine Mile WWTP Improvements	1,306,000	-	-	104,000	1,202,000	-	-	-	1,306,000	1,306,000
6402-	O'Bannon Creek Tributary Restoration and Bank Stabilization	116,000	-	116,000	-	-	-	-	-	116,000	116,000
6402-60133	O'Bannon Trunk Sewer Improvements	3,473,910	131,260	67,650	-	-	-	-	3,275,000	3,473,910	67,650
6402-	O'Bannon WWTP Bio-Solids Dewatering	1,180,000	-	-	-	-	-	-	1,180,000	1,180,000	-
651-0042	O'Bannon WWTP Reclaimed Water Pumps and Force Main	108,000	-	-	-	-	-	-	108,000	108,000	-
6402-60142	O'Bannon WWTP Filter & Clarifier Improvements	4,405,000	12,650	242,350	3,140,000	1,010,000	-	-	-	4,405,000	4,392,350
6402-	Old SR 74 Widening Olive Branch-Stonelick to Armstrong Blvd Improvements	105,000	-	105,000	-	-	-	-	-	105,000	105,000
6402-	Olive Branch-Stonelick Sewer Extension	1,870,000	20,000	-	-	-	-	-	1,850,000	1,870,000	-
6402-	Phosphorus Removal Studies	100,000	-	100,000	-	-	-	-	-	100,000	100,000
651-0125	Shayler Run - Segment E	1,262,100	163,960	-	-	-	-	1,098,140	-	1,262,100	1,098,140
6402-60138	Shayler Run Upstream Sewer Upgrade	664,622	44,710	9,912	-	-	-	-	610,000	664,622	9,912
6402-	SR 132 Lift Station Improvements	170,000	-	-	-	20,000	150,000	-	-	170,000	170,000
6402-	SR 132 Sewer Improvements	755,000	-	-	-	-	-	755,000	-	755,000	755,000
6402-60001	Utilities Relocations	600,000	-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	500,000
6402-	Wards Corner Road Sewer Petition	430,000	-	-	-	-	-	-	430,000	430,000	-
6402-	Wastewater Model Maintenance	100,000	-	50,000	25,000	25,000	-	-	-	100,000	100,000
6402-60049	Wastewater Stream Revetment	525,464	275,464	50,000	50,000	50,000	50,000	50,000	-	525,464	250,000
6402-	Wastewater Treatment Plant Rehabilitation	2,000,000	-	400,000	400,000	-	400,000	400,000	400,000	2,000,000	1,600,000
	<b>TOTAL</b>	<b>77,933,583</b>	<b>2,832,035</b>	<b>7,212,307</b>	<b>13,039,400</b>	<b>10,484,100</b>	<b>3,300,000</b>	<b>4,683,140</b>	<b>36,382,600</b>	<b>77,933,583</b>	<b>38,718,947</b>









### 2017 Wastewater Capital Improvement Project Summary

	Funding Source	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total	*Adj. 5 Yr Total
SR 132 Sewer Improvements	MEF-P2-24	755,000	-	-	-	-	-	755,000	-	755,000	755,000
	Capital Improvement Fund	-	-	-	-	-	-	755,000	-	755,000	755,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Utilities Relocations	-	600,000	-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	500,000
	Capital Improvement Fund	-	-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	500,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Wards Corner Road Sewer Petition	-	430,000	-	-	-	-	-	-	430,000	430,000	-
	Capital Improvement Fund	-	-	-	-	-	-	-	70,000	70,000	-
	Assessment	-	-	-	-	-	-	-	360,000	360,000	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Wastewater Model Maintenance	-	100,000	-	50,000	25,000	25,000	-	-	-	100,000	100,000
	Capital Improvement Fund	-	-	50,000	25,000	25,000	-	-	-	100,000	100,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Wastewater Stream Revetment	-	525,464	275,464	50,000	50,000	50,000	50,000	50,000	-	525,464	250,000
	Capital Improvement Fund	-	275,464	50,000	50,000	50,000	50,000	50,000	-	525,464	250,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Wastewater Treatment Plant Rehabilitation	-	2,000,000	-	400,000	400,000	-	400,000	400,000	400,000	2,000,000	1,600,000
	Capital Improvement Fund	-	-	400,000	400,000	-	400,000	400,000	400,000	2,000,000	1,600,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	Expenditures	77,933,583	2,832,035	7,212,307	13,039,400	10,484,100	3,300,000	4,683,140	36,382,600	77,933,583	38,718,947
	Capital Improvement Fund	65,980,596	1,987,542	6,780,847	12,574,967	3,266,100	3,300,000	4,683,140	33,388,000	65,980,596	30,605,053
	Assessment	2,994,600	-	-	-	-	-	-	2,994,600	2,994,600	-
	Loan	4,218,000	-	-	-	4,218,000	-	-	-	4,218,000	4,218,000
	Grant	4,635,387	844,493	326,461	464,433	3,000,000	-	-	-	4,635,387	3,790,894
*Adjusted 5 year plan = 2017-2021 Expenditure Plan											

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Aicholtz Road Connector - Sewer Replacement	6402-	Project Manager:	TC	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Replacement of approximately 119' feet of 12" sanitary sewer and 956' of 8" sanitary sewer to accommodate the Aicholtz Connector TID Roadway Improvement Project.				<b>Justificati</b>	Petition BOH Master Plan XL
<b>Township</b>	Union				<b>Coordinates:</b>	Capacity Need Consent Order <u>Other</u>
<b>Annual Effect on Operations:</b>	\$	200 O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP		<b>Construction:</b>	<b>Bid Opening:</b> <b>Contract Award:</b> <b>Contract Execution:</b> <b>Notice to Proceed:</b>
<b>Easements Procured:</b>	N/A					
<b>Special Conditions:</b>	Constructed w/ TID Project					

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total	
Preliminary Engineering Date Complete:		\$0								\$0	
Detail Plans Date Complete:		\$0								\$0	
Land/Easements		\$0								\$0	
Construction Engineering and Inspection		\$0								\$0	
General Contractor		\$72,000		\$72,000						\$72,000	
Misc		\$0								\$0	
<b>Total</b>		<b>\$72,000</b>	<b>\$0</b>	<b>\$72,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$72,000</b>	
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	-	\$	72,000	\$	-	\$	-	\$	72,000
	<b>Assessment</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Loan</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Grant</b>	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**

**Problems:**

**Notes:**  
 TID responsible for 100% of cost for sewer on Rust Lane and Aicholtz Road (west of I-275), estimated at \$125,625.  
 Estimated cost of construction along the eastern alignment of Aicholtz Road is \$72,000.



## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b> Arrowhead Wastewater Treatment Plant Elimination 6402- Project Manager:	<b>Date of Update:</b> 30-Jan-17
<b>Description:</b> Elimination of a package wastewater treatment plant constructed in 1972. Flow to be directed to Wards Corner Regional WWTP.	<b>Justificati</b> Petition BOH Master Plan XL  Capacity Need Consent Order Other
<b>Township</b> Miami	<b>Coordinates:</b>
<b>Annual Effect on Operations:</b> \$ - O&M/year	<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Easements Procured:</b> na	
<b>Special Conditions:</b>	
<b>Resolutions:</b> RAGP RADP RON RDTP	

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
<b>Preliminary Engineering</b>		\$0								\$0
<b>Date Complete:</b>										
<b>Detail Plans</b>		\$100,000			\$100,000					\$100,000
<b>Date Complete:</b>										
<b>Land/Easements</b>		\$25,000			\$25,000					\$25,000
<b>Construction Engineering and Inspection</b>		\$0								\$0
<b>General Contractor</b>		\$1,000,000				\$1,000,000				\$1,000,000
<b>Misc</b>		\$0								\$0
<b>Total</b>		\$1,125,000	\$0	\$0	\$125,000	\$1,000,000	\$0	\$0	\$0	\$1,125,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ 125,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 1,125,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Eliminates an aging package plant and assists with regionalization.

**Problems:**  
Elimination of package plant will require approximately 3 miles of gravity sewer routed along the bike trail.  
Lift Station Option will require a new lift station, approximately 1 mile of force main, and approximately 3,000 feet of sewer from the Indian Lookout LS on the Todd (Gun Club) property.

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b> Beechmont South Lift Station Improvements		6402-60135	<b>Project Manager:</b> AK		<b>Date of Update:</b> 30-Jan-17	
<b>Description:</b> Upgrade to the pumps, controls, piping and valves of the Beechmont South lift station.					<b>Justificati</b> Petition BOH Master Plan XL	Capacity Need Consent Order Other
<b>Township</b> Union					<b>Coordinates:</b>	
<b>Annual Effect on Operations:</b> \$            10,000    O&M/year		<b>Resolutions:</b> RAGP RADP RON RDTP		<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:		
<b>Easements Procured:</b> N/A		<b>Special Conditions:</b>				

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total	
Preliminary Engineering Date Complete:		\$0								\$0	
Detail Plans Date Complete:	B&N	\$9,500	\$9,500							\$9,500	
Land/Easements		\$0								\$0	
Construction Engineering and Inspection		\$0								\$0	
General Contractor		\$320,800		\$320,800						\$320,800	
Misc		\$1,000	\$1,000							\$1,000	
<b>Total</b>		<b>\$331,300</b>	<b>\$10,500</b>	<b>\$320,800</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$331,300</b>	
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	10,500	\$	320,800	\$	-	\$	-	\$	331,300
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**

  
  
  

**Problems:**

  
  
  

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Bethel Area Sewer Replacement	6402-60106	Project Manager:	JG	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Replacement and upsizing of approximately 7,300 feet of various size sewer mains in the Bethel area to address capacity issues identified during flow monitoring study completed in 2012 & 2013.				<b>Justification:</b>	Petition BOH Master Plan XL MEF P2-08 Other
<b>Township</b>	Tate				<b>Coordinates:</b>	
<b>Annual Effect on Operations:</b>	\$	1,200 O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP		<b>Construction:</b>	<b>Bid Opening:</b>
<b>Easements Procured:</b>	75% complete				<b>Contract Award:</b>	<b>Contract Execution:</b>
<b>Special Conditions:</b>						

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total	
<b>Preliminary Engineering</b>	FTC&H	\$80,000	\$80,000							\$80,000	
<b>Detail Plans</b>	FTC&H	\$95,560	\$83,500	\$12,060						\$95,560	
<b>Land/Easements</b>		\$70,000	\$47,240	\$22,760						\$70,000	
<b>Construction Engineering and Inspection</b>		\$0								\$0	
<b>General Contractor</b>		\$1,519,400		\$500,000	\$1,019,400					\$1,519,400	
<b>Misc</b>	THELEN	\$12,000	\$10,250	\$1,750						\$12,000	
		\$16,976	\$6,976	\$10,000						\$16,976	
<b>Total</b>		\$1,793,936	\$227,966	\$546,570	\$1,019,400	\$0	\$0	\$0	\$0	\$1,793,936	
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	227,966	\$	167,047	\$	554,967	\$	-	\$	949,980
	<b>Assessment</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Loan</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Grant OPWC</b>	\$	-	\$	379,523	\$	464,433	\$	-	\$	843,956

**Positive Aspects of Project:**  
 Reduces and/or eliminates wet weather overflows at the Bethel Lift Station.  
 Project address parts of WWMPU Projects MEF P2-08, P1-02, P1-01, P2-07, P2-06, P2-05

**Problems: Easements**

**Notes:**  
 Preliminary Engineering for lift station storage upsizing included flow monitoring, rain gauge, and InfoWorks Model verification.  
 Upsizing of lift station storage is not necessary. However, capacity issues in the collections system were identified. Project has been adjusted to represent the change from additional storage to sewer replacement.

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Branch Hill Guinea Rd FM Replacement (BH-Loveland to BH-Miamiville) 6402-	Project Manager:	TC	<b>Date of Update:</b>	30-Jan-17		
<b>Description:</b>	Replacement of approximately 678 linear feet of existing sanitary force main with new 4" C-900 sanitary force main as part of the Transportation Improvement District's Branch Hill Drainage Improvements Project.				<b>Justificati</b>	Petition BOH Master Plan XL	Capacity Need Consent Order Other
<b>Township</b>					<b>Coordinates:</b>		
<b>Annual Effect on Operations:</b>	\$ 125 O&M/year	<b>Resolutions:</b>	RAGP RADP RON RDTP	<b>Construction:</b>	<b>Bid Opening:</b> <b>Contract Award:</b> <b>Contract Execution:</b> <b>Notice to Proceed:</b>		
<b>Easements Procured:</b>	No						
<b>Special Conditions:</b>	Coordinate with TID Project						

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$0								\$0
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$27,715		\$27,715						\$27,715
Misc		\$0								\$0
<b>Total</b>		<b>\$27,715</b>	<b>\$0</b>	<b>\$27,715</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$27,715</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ 27,715	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,715
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**

  
  
  

**Problems:**

  
  
  

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Collection System Rehabilitation	6402-62002	Project Manager:	JG	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	This work will include rehabilitation of existing portions of the collection system that have reached their useful life. Areas will be identified and prioritized using CCTV data.				<b>Justificati</b>	Petition BOH Master Plan XL  Capacity Need Consent Order Other
<b>Township</b>	Countywide				<b>Coordinates:</b>	
<b>Annual Effect on Operations:</b>	\$	-	O&M/Year	<b>Resolutions:</b>	RAGP RADP RON RDTP	
<b>Easements Procured:</b>	Unknown				<b>Construction:</b>	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Special Conditions:</b>						

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total					
Preliminary Engineering Date Complete:		\$0	\$0							\$0					
Detail Plans Date Complete:		\$0	\$0							\$0					
Land/Easements		\$0	\$0							\$0					
Construction Engineering and Inspection		\$0	\$0							\$0					
General Contractor		\$8,350,000	\$0			\$2,000,000	\$2,000,000	\$2,000,000	\$2,350,000	\$8,350,000					
Misc		\$0	\$0							\$0					
<b>Total</b>		<b>\$8,350,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	<b>\$2,350,000</b>	<b>\$8,350,000</b>					
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	-	\$	-	\$	2,000,000	\$	2,000,000	\$	2,000,000	\$	2,350,000	\$	8,350,000
	<b>Assessment</b>	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Loan</b>	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Grant</b>	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**  
 Rehabilitates (slip lining, pipe bursting, etc.) existing, deteriorated infrastructure.

**Problems:**

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Collection System Rehabilitation - 2016	6402-62006	Project Manager:	JG	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Rehabilitation of approximately 21,243 of 8" & 18" sanitary sewer main, 68 manholes and the installation of lateral cleanouts along Seabrook Way, Timber Creek Drive, Shady Lane, Old SR 32, Mil Haven Drive, Hospital Drive and Bauer Road.				<b>Justification:</b>	Petition BOH Master Plan XL
<b>Township</b>	Batavia & Union				<b>Coordinates:</b>	Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	\$ -	O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP		<b>Construction:</b>	<b>Bid Opening:</b> <b>Contract Award:</b> <b>Contract Execution:</b> <b>Notice to Proceed:</b>
<b>Easements Procured:</b>	yes					
<b>Special Conditions:</b>						

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering		\$0								\$0
Date Complete:										
Detail Plans		\$950	\$950							\$950
Date Complete:										
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$3,021,100		\$3,021,100						\$3,021,100
Misc		\$1,500	\$1,500							\$1,500
<b>Total</b>		<b>\$3,023,550</b>	<b>\$2,450</b>	<b>\$3,021,100</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,023,550</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 2,450	\$ 3,021,100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,023,550
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Rehabilitates by slip lining existing, deteriorated infrastructure.

**Problems:**

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Collection System Rehabilitation - 2018	6402-	Project Manager:	JG	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Rehabilitation of existing sanitary sewers, manholes and laterals along various upstream branches of the Shayler trunk sewer and the 10" sewer along Locust Lake Road, Jenny Lind Road and Chapel Road.				<b>Justificati</b>	Petition BOH Master Plan XL
<b>Township</b>					<b>Coordinates:</b>	Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	\$	-	O&M/year	<b>Resolutions:</b>	<div style="border: 1px solid black; padding: 2px; display: inline-block;">                     RAGP RADP RON RDTP                 </div>	
<b>Easements Procured:</b>	N/A			<b>Construction:</b>	<div style="border: 1px solid black; padding: 2px; display: inline-block;">                     Bid Opening: Contract Award: Contract Execution: Notice to Proceed:                 </div>	
<b>Special Conditions:</b>						

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total			
<b>Preliminary Engineering</b>		\$0								\$0			
<b>Date Complete:</b>													
<b>Detail Plans</b>		\$3,000		\$3,000						\$3,000			
<b>Date Complete:</b>													
<b>Land/Easements</b>		\$0								\$0			
<b>Construction Engineering and Inspection</b>		\$2,300,000			\$2,300,000					\$2,300,000			
<b>General Contractor</b>		\$0								\$0			
<b>Misc</b>		\$2,000		\$2,000						\$2,000			
<b>Total</b>		\$2,305,000	\$0	\$5,000	\$2,300,000	\$0	\$0	\$0	\$0	\$2,305,000			
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	-	\$	5,000	\$	2,300,000	\$	-	\$	-	\$	2,305,000
	<b>Assessment</b>	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Loan</b>	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Grant</b>	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**  
Rehabilitates by slip lining existing, deteriorated infrastructure.

**Problems:**

**Notes:**  
Shayler upstream sewers \$1,850,000.  
Locust Lake and Jenny Lind \$450,000.

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Commercial Revenue Enhancement	6402-	Project Manager:	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	New sewer improvements to increase commercial revenues.			<b>Justificati</b>	Petition BOH Master Plan XL
<b>Township</b>	Countywide			<b>Coordinates:</b>	Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	unknown	O&M/Year	<b>Resolutions:</b> RAGP RADP RON RDTP	<b>Construction:</b>	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Easements Procured:</b>	Unknown			<b>Special Conditions:</b>	

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:		\$0	\$0							\$0
Detail Plans Date Complete:		\$0	\$0							\$0
Land/Easements		\$0	\$0							\$0
Construction Engineering and Inspection		\$0	\$0							\$0
General Contractor		\$0	\$0							\$0
Misc		\$600,000	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000
<b>Total</b>		<b>\$600,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$600,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 600,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Increased sewer revenues through commercial development, which promotes minimized adjustment of sewer rates for all customers.

**Problems:**

**Notes:**



## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Computerized Maintenance Management System (CMMS)	6402-	Project Manager:	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Purchase of single CMMS software to be used throughout the Water Resources Department to track maintenance needs, work orders, etc.			<b>Justificati</b>	Petition BOH Master Plan XL
<b>Township</b>	N/A			<b>Coordinates:</b>	Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP		<b>Construction:</b>	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Easements Procured:</b>	N/A				
<b>Special Conditions:</b>	50% Water/50% Sewer funds				

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$0								\$0
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$0								\$0
Misc		\$150,000			\$150,000					\$150,000
<b>Total</b>		<b>\$150,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$150,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$150,000</b>

<b>Funding Source:</b>	Capital Improvement Fund	\$	-	\$	-	\$	150,000	\$	-	\$	-	\$	-	\$	-	\$	150,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**  
Replaces existing antiquated system.

**Problems:**

**Notes:**  
In house development of the RFP in 2017





## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Environmental Upgrades - WWTP	6402-	Project Manager:	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Treatment plant upgrades to address new permit limits as a result of the TMDL for East Fork of the Little Miami River (EFLMR).			<b>Justificati</b>	Petition BOH Master Plan XL
<b>Township</b>	Countywide			<b>Coordinates:</b>	Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	unknown	O&M/Year	<b>Resolutions:</b>	<b>Construction:</b>	<b>Bid Opening:</b>
<b>Easements Procured:</b>	N/A		RAGP RADP RON RDTP		<b>Contract Award:</b>
<b>Special Conditions:</b>					<b>Contract Execution:</b>
					<b>Notice to Proceed:</b>

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$480,000							\$480,000	\$480,000
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$5,520,000							\$5,520,000	\$5,520,000
Misc		\$0								\$0
<b>Total</b>		<b>\$6,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,000,000</b>	<b>\$6,000,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,000,000	\$ 6,000,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Will bring WWTP's into compliance with anticipated OEPA permit limit requirements established in NPDES Permits

**Problems:**

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	GIS - Sewer Share	6402-	Project Manager:	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Aerial photography of County for application in GIS			<b>Justificati</b>	Petition BOH Master Plan XL Capacity Need Consent Order <u>Other</u>
<b>Township</b>	Countywide			<b>Coordinates:</b>	
<b>Annual Effect on Operations:</b>	N/A	O&M/Year	<b>Resolutions:</b>	<b>Construction:</b> <b>Bid Opening:</b> <b>Contract Award:</b> <b>Contract Execution:</b> <b>Notice to Proceed:</b>	
<b>Easements Procured:</b>	N/A				
<b>Special Conditions:</b>					

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total	
Preliminary Engineering Date Complete:		\$0								\$0	
Detail Plans Date Complete:		\$0								\$0	
Land/Easements		\$0								\$0	
Construction Engineering and Inspection		\$0								\$0	
General Contractor		\$0								\$0	
Misc		\$100,000	\$25,000	\$25,000		\$25,000		\$25,000		\$100,000	
<b>Total</b>		<b>\$100,000</b>	<b>\$25,000</b>	<b>\$25,000</b>	<b>\$0</b>	<b>\$25,000</b>	<b>\$0</b>	<b>\$25,000</b>	<b>\$0</b>	<b>\$100,000</b>	
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	25,000	\$	25,000	\$	-	\$	25,000	\$	100,000
	<b>Assessment</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Loan</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Grant</b>	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**  
 CCWRD's contribution to the GIS ortho photos

**Problems:**

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Hall Run Sewer Protection	6402-	Project Manager:	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Installation of material to protect approximately 400' of existing sanitary from stream erosion.			<b>Justification:</b>	Petition BOH Master Plan XL Capacity Need Consent Order Other
<b>Township</b>	Union			<b>Coordinates:</b>	
<b>Annual Effect on Operations:</b>	\$ - O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP		<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
<b>Easements Procured:</b>	No				
<b>Special Conditions:</b>	Site access/easement				

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$0								\$0
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$100,000		\$100,000						\$100,000
Misc		\$0								\$0
<b>Total</b>		<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>

  

<b>Funding Source:</b>	Capital Improvement Fund	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Protection of existing sanitary sewer.

**Problems:**  
Site access/easement

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Hall Run Sewer Replacement & EQ Expansion	6402-	Project Manager:	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Construction of approximately 1,500 feet of relief sewers downstream of the Hall Run EQ facility. Relief sewers to be constructed by "piggy backing", parallel installation, direct replacement, or pipe burst. Replacement of approximately 1,730 of sewer south of Fischer Lane and construction of an additional 3 MG equalization tank at the Hall Run EQ site.			<b>Justification:</b>	Petition BOH <u>Master Plan</u> XL
<b>Township</b>	Union			<b>Coordinates:</b>	LEF-P1-08 Consent Order Other
<b>Annual Effect on Operations:</b>	O&M/Year	<b>Resolutions:</b> RAGP RADP RON RDTP		<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
<b>Easements Procured:</b>	No				
<b>Special Conditions:</b>	Partial Coord. w/ TID				

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering		\$0								\$0
Detail Plans	EMH&T	\$112,750	\$12,750						\$100,000	\$112,750
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$2,900,000							\$2,900,000	\$2,900,000
Misc		\$939	\$939							\$939
<b>Total</b>		<b>\$3,013,689</b>	<b>\$13,689</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,000,000</b>	<b>\$3,013,689</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 13,689	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000	\$ 3,013,689
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan-</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant-</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Provides additional downstream capacity to maximize the performance of the Hall Run EQ tank. Replaces undersized concrete sewers installed in 1965 and provides additional wet weather storage at the Hall Run EQ facility.

**Problems:**  
**Pre and Post flow monitoring of I/I removal will determine needed improvements.**

TID Coordination - Design / Replacement of approximately 647' of 12" sewer (replace w/ 18" sewer) to be coordinated with Tina Drive Extension Project.

**Notes:**

RAGP - Resolution adopting General Plan    RADP - Resolution adopting Detailed Plan    RON - Resolution of Necessity    RDTP - Resolution Determining to Proceed

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Indianview Lift Station Improvements	651-0857	Project Manager:		<b>Date of Update:</b> 30-Jan-17
<b>Description:</b>	Replacement/relocation of existing lift station and force main.				<b>Justification:</b> Petition BOH Master Plan XL Capacity <u>Need</u> Consent Order Other
<b>Township</b>	Miami				<b>Coordinates:</b>
<b>Annual Effect on Operations:</b>	\$ - O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP			<b>Construction:</b>
<b>Easements Procured:</b>	No				<b>Bid Opening:</b>
<b>Special Conditions:</b>					<b>Contract Award:</b>
					<b>Contract Execution:</b>
					<b>Notice to Proceed:</b>

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering		\$0	\$0							\$0
Date Complete:										
Detail Plans		\$64,240	\$39,240		\$25,000					\$64,240
Date Complete:										
Land/Easements		\$10,000				\$10,000				\$10,000
Construction Engineering and Inspection		\$0	\$0							\$0
General Contractor		\$350,000	\$0				\$350,000			\$350,000
Misc		\$0	\$0							\$0
<b>Total</b>		<b>\$424,240</b>	<b>\$39,240</b>	<b>\$0</b>	<b>\$25,000</b>	<b>\$10,000</b>	<b>\$350,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$424,240</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 39,240	\$ -	\$ -	\$ 25,000	\$ 10,000	\$ 350,000	\$ -	\$ -	\$ 424,240
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Replaces aged liftstation

**Problems:**  
Alignment, easements

**Notes:**





## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Liftstation Generators	6402-	Project Manager:	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Provides backup generators for use in power outages.			<b>Justification:</b>	Petition BOH Master Plan XL Capacity <del>Need</del> Consent Order Other
<b>Township</b>	Countywide			<b>Coordinates:</b>	
<b>Annual Effect on Operations:</b>	\$	- O&M/year	<b>Resolutions:</b>	Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
<b>Easements Procured:</b>	NA				
<b>Special Conditions:</b>					

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total	
Preliminary Engineering Date Complete:		\$0								\$0	
Detail Plans Date Complete:		\$0								\$0	
Land/Easements		\$0								\$0	
Construction Engineering and Inspection		\$0								\$0	
General Contractor		\$300,000		\$100,000	\$100,000	\$100,000				\$300,000	
Misc		\$0								\$0	
<b>Total</b>		<b>\$300,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$300,000</b>	
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	-	\$ 100,000	\$ 100,000	\$ 100,000	\$	-	\$	-	\$ 300,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**

  
  

**Problems:**

  
  

**Notes:**  
2017 Brandy Chase Lift Station

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	LIMS/WIMS Upgrades	6402-	Project Manager:	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Upgrade of the Laboratory and Water Information Management System (LIMS/WIMS) Software.			<b>Justificati</b>	Petition BOH Master Plan XL
<b>Township</b>	Countywide			<b>Coordinates:</b>	Capacity <u>Need</u> Consent Order Other
<b>Annual Effect on Operations:</b>	na	O&M/yr	<b>Resolutions:</b>	<b>Construction:</b>	<b>Bid Opening:</b>
<b>Easements Procured:</b>	na		RAGP RADP RON RDTP	<b>Contract Award:</b>	
<b>Special Conditions:</b>	na			<b>Contract Execution:</b>	
				<b>Notice to Proceed:</b>	

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total	
<b>Preliminary Engineering</b>		\$0								\$0	
<b>Date Complete:</b>											
<b>Detail Plans</b>		\$0								\$0	
<b>Date Complete:</b>											
<b>Land/Easements</b>		\$0								\$0	
<b>Construction Engineering and Inspection</b>		\$0								\$0	
<b>General Contractor</b>		\$0								\$0	
<b>Misc</b>		\$66,000		\$66,000						\$66,000	
<b>Total</b>		\$66,000	\$0	\$66,000	\$0	\$0	\$0	\$0	\$0	\$66,000	
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	-	\$ 66,000	\$	-	\$	-	\$	-	\$ 66,000
	<b>Assessment</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Loan</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Grant - OPWC</b>	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**

  
  
  

**Problems:**

  
  
  

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Locust Lake Lift Station and Conveyance Improvements	6402-60141	Project Manager	AK	<b>Date of Update:</b> 30-Jan-17
<b>Description:</b>	Addition of approximately 7,100' of 8" force main from the Locust Lake Lift Station to the intersection of Chapel Road and Burnham Woods Dr to improve the pumping capacity at the lift station and limit the number of by passes. Includes lift station piping modifications & controls and the installation of a diesel generator.				<b>Justification:</b> Petition BOH Master Plan XL MEF P1-03 & MEF P2-20 Consent Order Other
<b>Township</b>	Batavia	<b>Resolutions:</b> RAGP RADP RON RDTP			<b>Coordinates:</b>
<b>Annual Effect on Operations:</b>	\$ 1,000 O&M/year				<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Easements Procured:</b>	no				
<b>Special Conditions:</b>					

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$99,680	\$27,620	\$72,060						\$99,680
Land/Easements		\$20,000		\$20,000						\$20,000
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$1,035,000			\$1,035,000					\$1,035,000
Misc		\$0								\$0
<b>Total</b>		<b>\$1,154,680</b>	<b>\$27,620</b>	<b>\$92,060</b>	<b>\$1,035,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,154,680</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 27,620	\$ 92,060	\$ 1,035,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,154,680
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Improves capacity and adds redundancy

**Problems:**  
Easements, traffic, and bore under SR 125.

**Notes:**  
Lining of 10" sanitary sewer will be included in the next rehab project.

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Lower East Fork WWTP Expansion	6402-	Project Manager:	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Expansion of the Lower East Fork Wastewater Treatment Plant from 9 MGD to 14 MGD. Includes a 3rd Oxidation Ditch, Additional Clarifier, filters, and influent pumping. May also include fine screening at headworks or additional screening d/s of final clarifier splitter box.			<b>Justification:</b>	Petition BOH Master Plan XL
<b>Township</b>	Miami	<b>Resolutions:</b> RAGP RADP RON RDTP		<b>Coordinates:</b>	Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	\$ - O&M/year			<b>Construction:</b>	<b>Bid Opening:</b>
<b>Easements Procured:</b>	N/A				<b>Contract Award:</b>
<b>Special Conditions:</b>					<b>Contract Execution:</b>
					<b>Notice to Proceed:</b>

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$650,000							\$650,000	\$650,000
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$500,000							\$500,000	\$500,000
General Contractor		\$13,000,000							\$13,000,000	\$13,000,000
Misc		\$0								\$0
<b>Total</b>		<b>\$14,150,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$14,150,000</b>	<b>\$14,150,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,150,000	\$ 14,150,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Provides additional capacity for future development

**Problems:**

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	MEF WWTP Safety Improvements	6402-60145	Project Manager:	CR	<b>Date of Update:</b> 30-Jan-17
<b>Description:</b>	Renovation of the walkway, handrail and structural supports at the influent lift station, correction of the wall system moisture vapor control in the control room & laboratory areas, replacement of the HVAC within the control building and replacement or elimination of the drop ceiling.				<b>Justificati</b> Petition BOH Master Plan XL  <b>Coordinates:</b>
<b>Township</b>	Batavia				<div style="text-align: right;"> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Capacity Need</span>            Consent Order            Other         </div>
<b>Annual Effect on Operations:</b>	\$ - O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP			<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Easements Procured:</b>	N/A				
<b>Special Conditions:</b>					

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering <small>Date Complete:</small>		\$0								\$0
Detail Plans <small>Date Complete:</small>		\$12,000		\$12,000						\$12,000
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$70,000		\$70,000						\$70,000
Misc		\$0								\$0
<b>Total</b>		<b>\$82,000</b>	<b>\$0</b>	<b>\$82,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$82,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ 82,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 82,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Provides safety improvements at the plant. Replaces aging walkway and equipment that has reach the end of it's useful life.

**Problems:**

**Notes:**  
 Influent walkway replacement - \$50,000.  
 Electrical service evaluation \$7,000.  
 HVAC replacement \$16,000.

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Miamiville Proper Sewer Assessment	6402-	Project Manager:	CR	<b>Date of Update:</b>	30-Jan-17		
<b>Description:</b>	Installation of a wastewater collection system to serve the residents of Miamiville and vicinity.				<b>Justification:</b>	Petition BOH Master Plan XL	13 LVHR-7	Capacity Need Consent Order Other
<b>Township</b>	Miami						<b>Coordinates:</b>	
<b>Annual Effect on Operations:</b>	\$	2,000	O&M/year	<b>Resolutions:</b>		RAGP		
<b>Easements Procured:</b>	no				RADP			
<b>Special Conditions:</b>					RON			
					RDTP			
					<b>Construction:</b>	<b>Bid Opening:</b>		
						<b>Contract Award:</b>		
						<b>Contract Execution:</b>		
						<b>Notice to Proceed:</b>		

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total			
<b>Preliminary Engineering</b>		\$0								\$0			
<b>Date Complete:</b>													
<b>Detail Plans</b>		\$125,000							\$125,000	\$125,000			
<b>Date Complete:</b>													
<b>Land/Easements</b>		\$45,000							\$45,000	\$45,000			
<b>Construction Engineering and Inspection</b>		\$0							\$0	\$0			
<b>General Contractor</b>		\$1,575,000							\$1,575,000	\$1,575,000			
<b>Misc</b>		\$100,000							\$100,000	\$100,000			
<b>Total</b>		\$1,845,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,845,000	\$1,845,000			
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	-	\$	-	\$	-	\$	-	\$	170,000	\$	170,000
	<b>Assessment</b>	\$	-	\$	-	\$	-	\$	-	\$	1,675,000	\$	1,675,000
	<b>Loan</b>	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Grant</b>	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**  
 Provide sewer service for properties with on-site septic systems as identified in WWMPU and by the BOH. Identified to protect MGS wellfields

**Problems:**

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Miamiville Sewer Extension	6402-60122	Project Manager:	CR	<b>Date of Update:</b>	30-Jan-17	
<b>Description:</b>	Construction of approximately 3,200' of new sanitary sewer along Loveland-Miamiville Road, Riverview Lane and Bett Ann Lane and SR 126 to benefit existing properties and proposed commercial development.				<b>Justification:</b>	Petition BOH Master Plan XL	Capacity Need Consent Order Other
<b>Township</b>	Miami				<b>Coordinates:</b>		
<b>Annual Effect on Operations:</b>	\$	1,000	O&M/year	<b>Resolutions:</b>	RAGP RADP RON RDTP	<b>Construction:</b>	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Easements Procured:</b>		yes					
<b>Special Conditions:</b>							

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total	
<b>Preliminary Engineering</b>	Thelen	\$15,522	\$15,522							\$15,522	
<b>Detail Plans</b>	Santoro	\$92,560	\$92,560							\$92,560	
<b>Land/Easements</b>		\$43,609	\$43,609							\$43,609	
<b>Construction Engineering and Inspection</b>										\$0	
<b>General Contractor</b>		\$741,700	\$702,100	\$39,600						\$741,700	
<b>Misc</b>	Permitting	\$8,490	\$8,490							\$8,490	
<b>Total</b>		\$901,881	\$862,281	\$39,600	\$0	\$0	\$0	\$0	\$0	\$901,881	
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	17,788	\$	163,662	\$	-	\$	-	\$	181,450
	<b>Assessment</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Loan</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Grant - Duke/Miami Twp</b>	\$	844,493	\$	(124,062)	\$	-	\$	-	\$	720,431

**Positive Aspects of Project:**

Partial funding from Miami Township TIF and Duke Energy incentive grant. Duke grant of \$35,000.  
 Costs associated with over-sizing for future extensions/future development to be covered with CIP funds, \$181,450.

**Problems: Easements**

1

**Notes:**

Miami Township responsible for project costs less costs for upsizing sewers.  
 Miami Township provide check in 2015 in amount of \$152,381.03 for engineering design, easements, permitting, and secondary geotech investigation.  
 CCWRD responsible for upsizing costs (\$181,450) and preliminary geotech investigation (\$8,700).



## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Mound Street & Spring Street Sewer Petition	6402-60003	Project Manager:	CR	<b>Date of Update:</b>	30-Jan-17	
<b>Description:</b>	Installation of approximately 4,440 feet of 8" sewer main along Mound & Spring Streets					<b>Justification:</b>	<input checked="" type="radio"/> Petition <input type="radio"/> BOH <input type="radio"/> Master Plan <input type="radio"/> XL
<b>Township</b>	Tate					<b>Coordinates:</b>	Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	\$	550	O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP		<b>Construction:</b>	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Easements Procured:</b>	No						
<b>Special Conditions:</b>							

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:	Woolpert	\$6,500	\$6,500							\$6,500
Detail Plans Date Complete:	Woolpert	\$58,190	\$58,190							\$58,190
Land/Easements		\$5,500							\$5,500	\$5,500
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$900,000							\$900,000	\$900,000
Misc		\$82,800	\$3,700						\$79,100	\$82,800
<b>Total</b>		<b>\$1,052,990</b>	<b>\$68,390</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$984,600</b>	<b>\$1,052,990</b>

<b>Funding Source:</b>	Capital Improvement Fund	\$	68,390	\$	-	\$	-	\$	-	\$	-	\$	-	\$	25,000	\$	93,390
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	959,600	\$	959,600
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**  
 Eliminates aged on-site septic systems and addresses a petition by property owners

**Problems:**

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Naegele Lift Station Improvements	6402-60136	Project Manager:	AK	<b>Date of Update:</b>	30-Jan-17	
<b>Description:</b>	Replacement of existing positive-prime wet well mounted lift station with a standard county submersible pump type lift station.				<b>Justificati</b>	Petition BOH Master Plan XL	Capacity <u>Need</u> Consent Order Other
<b>Township</b>	Pierce				<b>Coordinates:</b>		
<b>Annual Effect on Operations:</b>	\$ 1,500 O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP			<b>Construction:</b>		Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Easements Procured:</b>	No						
<b>Special Conditions:</b>							

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total	
<b>Preliminary Engineering</b>										\$0	
<b>Date Complete:</b>											
<b>Detail Plans</b>	B&N	\$9,500	\$9,500							\$9,500	
<b>Date Complete:</b>	H&M	\$1,400	\$1,400							\$1,400	
<b>Land/Easements</b>										\$0	
<b>Construction Engineering and Inspection</b>										\$0	
<b>General Contractor</b>		\$197,600		\$197,600						\$197,600	
<b>Misc</b>		\$1,000	\$1,000							\$1,000	
<b>Total</b>		\$209,500	\$11,900	\$197,600	\$0	\$0	\$0	\$0	\$0	\$209,500	
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	11,900	\$	197,600	\$	-	\$	-	\$	209,500
	<b>Assessment</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Loan</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Grant</b>	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**  
 Upgrade to aging lift station equipment that is reaching the end of its useful life.

**Problems:**  
 Maintaining existing service during construction.

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Nature Run Lift Station Upgrade	6402-60137	Project Manager:	AK	<b>Date of Update:</b>	30-Jan-17	
<b>Description:</b>	Upgrade to the pumps, pumping, controls, control panel, valves and generator of the Nature Run Lift Station.				<b>Justificati</b>	Petition BOH Master Plan XL	Capacity Need Consent Order Other
<b>Township</b>	Union				<b>Coordinates:</b>		
<b>Annual Effect on Operations:</b>	\$ 2,000 O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP			<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:		
<b>Easements Procured:</b>	No						
<b>Special Conditions:</b>							

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
<b>Preliminary Engineering</b>		\$0								\$0
<b>Date Complete:</b>										
<b>Detail Plans</b>	B&N	\$14,000	\$14,000							\$14,000
<b>Date Complete:</b>										
<b>Land/Easements</b>		\$0								\$0
<b>Construction Engineering and Inspection</b>		\$0								\$0
<b>General Contractor</b>		\$340,900		\$340,900						\$340,900
<b>Misc</b>		\$1,000	\$1,000							\$1,000
<b>Total</b>		\$355,900	\$15,000	\$340,900	\$0	\$0	\$0	\$0	\$0	\$355,900
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 15,000	\$ 340,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 355,900
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Protection of the environment from raw sewage spills in the event of a loss of power.  
 Upgrade to aging lift station equipment that is reaching the end of its useful life.

**Problems:**  
 Maintaining existing service during construction.

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b> Newtonsville Collection System Assessment      6402-60116      Project Manager: CR	<b>Date of Update:</b> 30-Jan-17
<b>Description:</b> Collection system for the Village of Newtonsville and Surrounding/Adjacent Area.	<b>Justification:</b> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Petition</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">BOH</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">11</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Capacity Need</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Master Plan</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">SLC-P1-T1</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Consent Order</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">XL</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Other</span>
<b>Township:</b> Wayne	<b>Coordinates:</b>
<b>Annual Effect on Operations:</b> \$ 2,500 O&M/Year	<b>Resolutions:</b> RAGP RADP RON RDTP
<b>Easements Procured:</b> No	<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Special Conditions:</b>	

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
<b>Preliminary Engineering</b>	Santoro	\$47,190	\$47,190							\$47,190
<b>Date Complete:</b>	CH2M Hill (\$162,000)	\$161,800	\$155,800	\$6,000						\$161,800
<b>Detail Plans</b>		\$188,340	\$183,860	\$4,480						\$188,340
<b>Date Complete:</b>										
<b>Land/Easements</b>		\$252,000		\$252,000						\$252,000
<b>Construction Engineering and Inspection</b>										\$0
<b>General Contractor</b>		\$3,245,000			\$2,000,000	\$1,245,000				\$3,245,000
<b>Misc</b>		\$1,430	\$1,430							\$1,430
<b>OPWC &amp; USDA/RD Admin.</b>		\$10,000			\$5,000	\$5,000				\$10,000
<b>Total</b>		\$3,905,760	\$388,280	\$262,480	\$2,005,000	\$1,250,000	\$0	\$0	\$0	\$3,905,760
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 388,280	\$ 262,480	\$ 2,005,000	\$ (2,359,000)	\$ -	\$ -	\$ -	\$ -	\$ 296,760
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ 2,109,000	\$ -	\$ -	\$ -	\$ -	\$ 2,109,000
	<b>Grant - USDA/RD &amp; OPWC</b>	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 1,500,000

**Positive Aspects of Project:**  
 Provides sewer service to residents in the area of the Village of Newtonsville and addresses failing on-site septic problems as identified by the BOH.  
 Project identified in 2011 Waste Water Master Plan Update SLC-P1-T1.

**Problems:**

**Notes:**  
 Combined project received USDA Grant of \$2M & loan of \$4.218M at 2.25%.  
 Combined project has been submitted to OPWC for \$1M Grant.

473021  
 388280  
 84741

## 2017 Wastewater Capital Improvement Project Summary

**Project:** Newtonsville WWTP      6402-60117      Project Manager: CR

**Date of Update:** 30-Jan-17

**Description:** Waste Water Treatment Plant for the Village of Newtonsville and Surrounding/Adjacent Area.

**Justification:** Petition BOH 11 Capacity Need  
 Master Plan SLC-P1-T1 Consent Order  
 XL Other

**Township:** Wayne

**Coordinates:**

**Annual Effect on Operations:** \$ 35,000 O&M/year

**Resolutions:** RAGP  
RADP  
RON  
RDTP

**Construction:** Bid Opening:  
Contract Award:  
Contract Execution:  
Notice to Proceed:

**Easements Procured:** No

**Special Conditions:**

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
<b>Preliminary Engineering</b>	Santoro	\$43,860	\$43,860							\$43,860
<b>Date Complete:</b>	CH2M Hill (\$105,000)	\$104,300	\$104,300							\$104,300
<b>Detail Plans</b>		\$317,075	\$316,650	\$425						\$317,075
<b>Date Complete:</b>										
<b>Land/Easements</b>		\$20,000		\$20,000						\$20,000
<b>Construction Engineering and Inspection</b>		\$392,000			\$200,000	\$192,000				\$392,000
<b>General Contractor</b>		\$3,325,100			\$2,000,000	\$1,325,100				\$3,325,100
<b>Misc</b>		\$1,230	\$230		\$1,000					\$1,230
<b>OPWC &amp; USDA/RD Admin.</b>		\$10,000			\$5,000	\$5,000				\$10,000
		\$4,213,565	\$465,040	\$20,425	\$2,206,000	\$1,522,100	\$0	\$0	\$0	\$4,213,565
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 465,040	\$ 20,425	\$ 2,206,000	\$ (2,086,900)	\$ -	\$ -	\$ -	\$ -	\$ 604,565
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ 2,109,000	\$ -	\$ -	\$ -	\$ -	\$ 2,109,000
	<b>Grant - USDA/RD &amp; OPWC</b>	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 1,500,000

**Positive Aspects of Project:**

Provides sewer service to residents in the area of the Village of Newtonsville and addresses failing on-site septic problems as identified by the BOH.

**Problems:**

Possible difficulty in acquiring land and NPDES Permit

**Notes:**

Combined project received USDA Grant of \$2M & loan of \$4.218M at 2.25%.  
 Combined project has been submitted to OPWC for \$1M Grant.



## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Nine Mile WWTP Blower Upgrade	6402-60114	Project Manager: JG	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Installation of two (2) new 60-HP positive displacement blowers for the digester tanks and one (1) new 10-HP positive displacement blower for the post-aeration. Also includes new air piping, valves, electrical, VFD's, instrumentation, programing and SCADA integration.			<b>Justificati</b>	Petition BOH Master Plan XL
<b>Township</b>	Pierce				Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	unknown	O&M/year	<b>Resolutions:</b>		<b>Construction:</b>
<b>Easements Procured:</b>	na	RAGP RADP RON RDTP		<b>Bid Opening:</b>	
<b>Special Conditions:</b>				<b>Contract Award:</b>	
				<b>Contract Execution:</b>	
				<b>Notice to Proceed:</b>	

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total	
<b>Preliminary Engineering</b>		\$0								\$0	
<b>Date Complete:</b>											
<b>Detail Plans</b>	EES	\$32,480	\$26,335	\$6,145						\$32,480	
<b>Date Complete:</b>											
<b>Land/Easements</b>		\$0								\$0	
<b>Construction Engineering and Inspection</b>		\$430,000		\$430,000						\$430,000	
<b>General Contractor</b>		\$0								\$0	
<b>Misc</b>		\$1,300	\$300	\$1,000						\$1,300	
<b>Total</b>		\$463,780	\$26,635	\$437,145	\$0	\$0	\$0	\$0	\$0	\$463,780	
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	26,635	\$	417,145	\$	-	\$	-	\$	443,780
	<b>Assessment</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Loan</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Grant-Duke</b>	\$	-	\$	20,000	\$	-	\$	-	\$	20,000

**Positive Aspects of Project:** Replaces ages, inefficient centrifugal blowers.  
 Replaces aged, inefficient centrifugal blowers. Estimated annual energy savings is \$30,000 per year.  
 This project qualifies for a Duke Energy incentive grant.  
 Costs for engineering services provided by operation's budget.

**Problems:**

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Nine Mile WWTP Improvements	6402-	Project Manager:	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Replacement of fine screens. Improvements/automation of pumps, screens, and oxidation ditch gates to maintain peak treatment capacity of at least 9.0 MGD.			<b>Justification:</b>	Petition BOH Master Plan XL Capacity <u>Need</u> Consent Order Other
<b>Township</b>	Pierce			<b>Coordinates:</b>	
<b>Annual Effect on Operations:</b>	\$ -	O&M/year	<b>Resolutions:</b>	<b>Construction:</b>	
<b>Easements Procured:</b>	yes		RAGP RADP RON RDTP	<b>Bid Opening:</b>	
<b>Special Conditions:</b>				<b>Contract Award:</b>	
				<b>Contract Execution:</b>	
				<b>Notice to Proceed:</b>	

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
<b>Preliminary Engineering</b>										\$0
<b>Date Complete:</b>										
<b>Detail Plans</b>		\$96,000			\$96,000					\$96,000
<b>Date Complete:</b>										
<b>Land/Easements</b>										\$0
<b>Construction Engineering and Inspection</b>										\$0
<b>General Contractor</b>		\$1,200,000				\$1,200,000				\$1,200,000
<b>Misc</b>		\$10,000			\$8,000	\$2,000				\$10,000
<b>Total</b>		\$1,306,000	\$0	\$0	\$104,000	\$1,202,000	\$0	\$0	\$0	\$1,306,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ 104,000	\$ 1,202,000	\$ -	\$ -	\$ -	\$ 1,306,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Replacement of screens will eliminate the need to replace/maintain HVAC in screen building.  
 Replaces aging/high maintenance equipment.

**Problems:**

**Notes:**  
 Will use model results from Nine Mile Collection System Improvements Project.



## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	O'Bannon Trunk Sewer Improvements	6402-60133	Project Manager:	AK	<b>Date of Update:</b>	30-Jan-17	
<b>Description:</b>	Sewer improvements to approximately 15,600 feet of sanitary sewer.				<b>Justification:</b>	Petition BOH <u>Master Plan</u> XL OBN P1-02 Consent Order Capacity Need Other	
<b>Township:</b>	Goshen	<b>Resolutions:</b>				<b>Coordinates:</b>	
<b>Annual Effect on Operations:</b>	\$ 2,500 O&M/year	RAGP RADP RON RDTP				<b>Construction:</b>	<b>Bid Opening:</b>
<b>Easements Procured:</b>	no					<b>Contract Award:</b>	<b>Contract Execution:</b>
<b>Special Conditions:</b>					<b>Notice to Proceed:</b>		

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
<b>Preliminary Engineering</b>	Hazen	\$158,850	\$91,200	\$67,650						\$158,850
<b>Detail Plans</b>	BBS (\$39,453)	\$39,460	\$39,460							\$39,460
		\$225,000							\$225,000	\$225,000
<b>Land/Easements</b>		\$150,000							\$150,000	\$150,000
<b>Construction Engineering and Inspection</b>		\$0								\$0
<b>General Contractor</b>		\$2,850,000							\$2,850,000	\$2,850,000
<b>Misc</b>		\$50,600	\$600						\$50,000	\$50,600
<b>Total</b>		<b>\$3,473,910</b>	<b>\$131,260</b>	<b>\$67,650</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,275,000</b>	<b>\$3,473,910</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 131,260	\$ 67,650	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,275,000	\$ 3,473,910
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**

Provides additional capacity for existing and future development and for excess wastewater flow during rain events  
 Flow Monitoring - I/I Study required as part of the Preliminary Engineering. Under contract late 2015 with flow monitoring in early 2016.

**Problems:**

The original equalization facility had OPWC pre/app funding in the amounts of \$1,000,000.00 loan and \$528,800.00 grant.  
 It is anticipated that this project will apply for and receive future OPWC Grant and Loan funding.

**Notes:**

fka O'Bannon Flow Equalization Facility

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	O'Bannon WWTP Bio-Solids Dewatering	6402-	Project Manager:	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Installation of a new permanent centrifuge, shelter, and blowers to provide bio-solids dewatering.				<b>Justificati</b> Petition BOH Master Plan XL Capacity Need Consent Order Other
<b>Township</b>	Goshen				<b>Coordinates:</b>
<b>Annual Effect on Operations:</b>	\$ 10,000 O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP		<b>Construction:</b>	<b>Bid Opening:</b> <b>Contract Award:</b> <b>Contract Execution:</b> <b>Notice to Proceed:</b>
<b>Easements Procured:</b>	na				
<b>Special Conditions:</b>					

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
<b>Preliminary Engineering</b>		\$0								\$0
Date Complete:										
<b>Detail Plans</b>		\$80,000							\$80,000	\$80,000
Date Complete:										
<b>Land/Easements</b>		\$0								\$0
<b>Construction Engineering and Inspection</b>		\$0								\$0
<b>General Contractor</b>		\$1,100,000							\$1,100,000	\$1,100,000
<b>Misc</b>		\$0								\$0
<b>Total</b>		\$1,180,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,180,000	\$1,180,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,180,000	\$ 1,180,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Provides a dedicated covered centrifuge at the O'Bannon WWTP and replaces outdated blowers to the digesters.

**Problems:**

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	O'Bannon WWTP Reclaimed Water Pumps and Force Main 651-0042	Project Manager:	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Purchase and installation of 2 new pumps and approximately 1,350 feet of 6" force main to supply non-potable water (250,000 gpd) to O'Bannon Creek Golf Course. One pump will pump sludge to the centrifuge and one will pump treated effluent to the O'Bannon Creek Golf Course.			<b>Justificati</b> Petition BOH Master Plan XL  <b>Coordinates:</b>
<b>Township</b>	Goshen			<div style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">Capacity Need</div> Consent Order Other
<b>Annual Effect on Operations:</b>	\$ 300 O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP	<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
<b>Easements Procured:</b>	no			
<b>Special Conditions:</b>				

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
<b>Preliminary Engineering</b>		\$0								\$0
<b>Date Complete:</b>										
<b>Detail Plans</b>	In House	\$8,000							\$8,000	\$8,000
<b>Date Complete:</b>										
<b>Land/Easements</b>		\$0								\$0
<b>Construction Engineering and Inspection</b>		\$0								\$0
<b>General Contractor</b>		\$100,000							\$100,000	\$100,000
<b>Misc</b>		\$0								\$0
<b>Total</b>		\$108,000	\$0	\$0	\$0	\$0	\$0	\$0	\$108,000	\$108,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 108,000	\$ 108,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Beneficial re-use of treated effluent from the O'Bannon WWTP for irrigation at the O'Bannon Creek Golf Course. O'Bannon Creek Golf Course to compensate for reclaimed water used.

**Problems:**  
 New EPA Regulations for irrigating with treated effluent.

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	O'Bannon WWTP Filter & Clarifier Improvements	6402-60142	Project Manager:	JG	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Replacement of two existing low head filters and coresponding equipment with a single centralized 6.5 MGD filter unit and the addition of a second clarifier on the oxidation ditch side of the treatment plant. Also, included the evaluation of the plant's wet weather flow treatment capacity.				<b>Justificati</b>	Petition BOH Master Plan XL
<b>Township</b>	Goshen				<b>Coordinates:</b>	Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	TBD	O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP		<b>Construction:</b>	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Easements Procured:</b>	N/A					
<b>Special Conditions:</b>						

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total												
Preliminary Engineering <b>Date Complete:</b>		\$60,000	\$12,650	\$47,350						\$60,000												
Detail Plans <b>Date Complete:</b>		\$280,000		\$180,000	\$100,000					\$280,000												
Land/Easements		\$0								\$0												
Construction Engineering and Inspection		\$50,000			\$40,000	\$10,000				\$50,000												
General Contractor		\$4,000,000			\$3,000,000	\$1,000,000				\$4,000,000												
Misc	Permit	\$15,000		\$15,000						\$15,000												
<b>Total</b>		<b>\$4,405,000</b>	<b>\$12,650</b>	<b>\$242,350</b>	<b>\$3,140,000</b>	<b>\$1,010,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,405,000</b>												
<b>Funding Source:</b>	Capital Improvement Fund	\$	12,650	\$	242,350	\$	3,140,000	\$	1,010,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	4,405,000	
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	

**Positive Aspects of Project:**  
 Combines the two existing filter units into one, improved filter efficiency, reduction of filter backwashes.  
 Increased peak wet water flow treatment/reduced bypasses.

**Problems:**

**Notes:**  
 Recommendations - Addition of second clarifier for oxidation ditch side of treatment plant and new filters with 4.4 mgd capacity.

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	O'Bannon Creek Tributary Restoration and Bank Stabilization	6402-	Project Manager:	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Restoration and stabilization of over 600' of stream to help protect an existing 27" sanitary sewer in area of manhole 5430.			<b>Justificati</b>	Petition BOH Master Plan XL
<b>Township</b>	Goshen			<b>Coordinates:</b>	Capacity Need Consent Order Other

<b>Annual Effect on Operations:</b>	\$ - O&M/year	<b>Resolutions:</b>	RAGP RADP RON RDTP	<b>Construction:</b>	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Easements Procured:</b>	no				
<b>Special Conditions:</b>	Construction during dry weather/low flow				

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
<b>Preliminary Engineering</b>		\$0								\$0
<b>Detail Plans</b>		\$0								\$0
<b>Land/Easements</b>		\$0								\$0
<b>Construction Engineering and Inspection</b>		\$116,000		\$116,000						\$116,000
<b>General Contractor</b>		\$0								\$0
<b>Misc</b>		\$0								\$0
<b>Total</b>		\$116,000	\$0	\$116,000	\$0	\$0	\$0	\$0	\$0	\$116,000

  

<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ 51,000	\$ -	\$ 51,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 51,000

**Positive Aspects of Project:**  
Protection of existing sanitary sewer.

**Problems:**

**Notes:**  
To be completed during dry weather and low flow time period, July/ August of 2017.

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Old SR 74 Widening Olive Branch-Stonelick to Armstrong Blvd Improvements	6402-	Project Manager: TC	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Replacement and relocation of approximately 235 feet of sanitary sewer & 194 feet of force main as part of a roadway widening and improvement project along Old SR 74 from Olive Branch-Stonelick Road to Armstrong Blvd.				<b>Justificati</b> Petition BOH Master Plan XL  <u>Capacity</u> Need Consent Order Other
<b>Township</b>	Union & Batavia				<b>Coordinates:</b>
<b>Annual Effect on Operations:</b>	\$ 100 O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP			<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Easements Procured:</b>	na				
<b>Special Conditions:</b>	Coordinate w/ TID Project				

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$0								\$0
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$105,000		\$105,000						\$105,000
Misc		\$0								\$0
<b>Total</b>		\$105,000	\$0	\$105,000	\$0	\$0	\$0	\$0	\$0	\$105,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**

  
  

**Problems:**

  
  

**Notes:**  
 CLE-CR171-4.89; PID No. 82582; Construction in 2017.

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Olive Branch-Stonelick Sewer Extension	6402-	Project Manager:	<b>Date of Update:</b> 30-Jan-17
<b>Description:</b>	Extension of the sanitary sewer near the Olive Branch-Stonelick Interchange to serve unsewered areas and provide for elimination of the East Clough Lift Station			<b>Justificati</b> Petition BOH Master Plan XL Capacity Need Consent Order Other
<b>Township</b>	Batavia & Union			<b>Coordinates:</b>
<b>Annual Effect on Operations:</b>	\$ 1,300 O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP		<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Easements Procured:</b>	no			
<b>Special Conditions:</b>	Coordinate w/ TID Project			

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
<b>Preliminary Engineering</b> Date Complete:	HNTB	\$20,000	\$20,000							\$20,000
<b>Detail Plans</b> Date Complete:		\$100,000							\$100,000	\$100,000
<b>Land/Easements</b>		\$0								\$0
<b>Construction Engineering and Inspection</b>		\$0								\$0
<b>General Contractor</b>		\$1,750,000							\$1,750,000	\$1,750,000
<b>Misc</b>		\$0								\$0
<b>Total</b>		\$1,870,000	\$20,000	\$0	\$0	\$0	\$0	\$0	\$1,850,000	\$1,870,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,850,000	\$ 1,870,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Provides sanitary sewer service to unsewered / undeveloped property to encourage economic development; Provides gravity sewers to eliminate the East Clough Lift Station. Preliminary Engineering to be coordinated with the TID road improvement. Preliminary Engineering will provide an approximate alignment and sewer sizing.

**Problems:**  
 CIP Funds intended for oversizing costs

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Phosphorus Removal Studies	Project No.:	6402-	Project Manager:		<b>Date of Update:</b>	30-Jan-17	
<b>Description:</b>	As required by Senate Bill 1, all POTW's with a design flow of 1.0 MGD or more, and without a phosphorus limit, are required to submit a study by December 1, 2017 that evaluates the technical and financial capability of the POTW's to reduce the final effluent discharge of phosphorus to 1.0 mg/l.					<b>Justificati</b>	Petition BOH Master Plan XL	Capacity Need Consent Order Other
<b>Township</b>	Batavia, Goshen, Pierce, & Miami					<b>Coordinates:</b>		
<b>Annual Effect on Operations:</b>	\$	-	O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP		<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:		
<b>Easements Procured:</b>	No							
<b>Special Conditions:</b>								

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total	
<b>Preliminary Engineering</b>		\$100,000		\$100,000						\$100,000	
<b>Date Complete:</b>											
<b>Detail Plans</b>		\$0								\$0	
<b>Date Complete:</b>											
<b>Land/Easements</b>		\$0								\$0	
<b>Construction Engineering and Inspection</b>		\$0								\$0	
<b>General Contractor</b>		\$0								\$0	
<b>Misc</b>		\$0								\$0	
<b>Total</b>		\$100,000	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000	
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	-	\$ 100,000	\$	-	\$	-	\$	-	\$ 100,000
	<b>Assessment</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Loan</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Grant</b>	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**  
Addresses Senate Bill 1/OEPA

**Problems:**

**Notes:**  
Required for the LEF, Wards Corner, Nine Mile, MEF and O'Bannon WWTP's.



## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Shayler Run - Segment E	651-0125	Project Manager:	<b>Date of Update:</b> 30-Jan-17
<b>Description:</b>	Replacement of existing trunk sewer, beginning at Stonelick Olive Branch and Shayler Creek and following the east fork of Shayler creek to Amelia Olive Branch			<b>Justificati</b> Petition                    Capacity BOH                                    Need <u>Master Plan</u> LEF-P2-19    Consent Order XL    Other
<b>Township</b>	Batavia & Union Township			<b>Coordinates:</b>
<b>Annual Effect on Operations:</b>	\$ 2,500 O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP		<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Easements Procured:</b>	No			
<b>Special Conditions:</b>				

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering		\$0								\$0
Date Complete:										
Detail Plans	SWS	\$156,600	\$156,600							\$156,600
Date Complete:										
Land/Easements		\$105,500	\$5,500					\$100,000		\$105,500
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$990,000						\$990,000		\$990,000
Misc		\$10,000	\$1,860					\$8,140		\$10,000
<b>Total</b>		<b>\$1,262,100</b>	<b>\$163,960</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,098,140</b>	<b>\$0</b>	<b>\$1,262,100</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 163,960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,098,140	\$ -	\$ 1,262,100
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Conveys high wetweather flow

**Problems:**

**Notes:**  
Potential coordination with TID project

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b> Shayler Run Upstream Sewer Upgrade      6402-60138      Project Manager: JG	<b>Date of Update:</b> 30-Jan-17
<b>Description:</b> Replacement of approximately 4,900 feet of sewer main and the construction of a 3 million gallon storage facility.	<b>Justification:</b> Petition <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Capacity</span> BOH      Need <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Master Plan</span> LEF-P1-01      Consent Order XL      Other
<b>Township:</b> Union	<b>Coordinates:</b>
<b>Annual Effect on Operations:</b> \$ 1,000 O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP
<b>Easements Procured:</b> No	
<b>Special Conditions:</b>	
	<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
<b>Preliminary Engineering</b>		\$54,622	\$44,710	\$9,912						\$54,622
Date Complete:										
<b>Detail Plans</b>		\$50,000							\$50,000	\$50,000
Date Complete:										
<b>Land/Easements</b>		\$30,000							\$30,000	\$30,000
<b>Construction Engineering and Inspection</b>		\$0								\$0
<b>General Contractor</b>		\$530,000							\$530,000	\$530,000
<b>Misc</b>		\$0								\$0
<b>Total</b>		\$664,622	\$44,710	\$9,912	\$0	\$0	\$0	\$0	\$610,000	\$664,622

<b>Funding Source:</b>	Capital Improvement Fund	\$ 44,710	\$ 9,912	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 610,000	\$ 664,622
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Project identified in the WWMPU (LEF-P1-01)

**Problems:** Easements, Manpower, Materials, Weather, etc.

**Notes:**  
Project identified in the WWMPU (LEF-P1-01)  
Preliminary engineering shall include flow monitoring, model updating and recommendations for improvements.  
Preliminary Engineering Report dated Dec. 9, 2016, recommended rehab of existing collection system, re-evaluate and make improvements as needed.  
Construction estimate as recommended in PER.  
Rehab work to be included in Collection System Rehabilitation 2017.

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	SR 132 Lift Station Improvements	6402-	Project Manager:	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Evaluation and design of necessary improvements to the lift station.			<b>Justificati</b>	Petition BOH Master Plan XL
<b>Township</b>	Stonelick			<b>Coordinates:</b>	Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	unknown	O&M/year	<b>Resolutions:</b>	<b>Construction:</b>	<b>Bid Opening:</b>
<b>Easements Procured:</b>	N/A		RAGP RADP RON RDTP	<b>Contract Award:</b>	<b>Contract Execution:</b>
<b>Special Conditions:</b>				<b>Notice to Proceed:</b>	

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$20,000				\$20,000				\$20,000
Land/Easements		\$0								\$0
Construction Engineering and Inspection General Contractor		\$150,000					\$150,000			\$150,000
Misc		\$0								\$0
<b>Total</b>		<b>\$170,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$20,000</b>	<b>\$150,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$170,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 150,000	\$ -	\$ -	\$ 170,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**

  
  

**Problems:**

  
  

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	SR 132 Sewer Improvements	6402-	Project Manager:	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Sewer upgrades along SR 132 between SR 125 and Stable Trails. Replacement of approximately 7,060 feet of existing 12" sewer with 24" sewer, between manholes 12901 and 3490.			<b>Justificati</b>	Petition BOH <u>Master Plan</u> XL MEF-P2-24 Consent Order Capacity Need Other
<b>Township</b>	Batavia			<b>Coordinates:</b>	
<b>Annual Effect on Operations:</b>	\$	1,200	O&M/year	<b>Resolutions:</b>	RAGP RADP RON RDTP
<b>Easements Procured:</b>	No			<b>Construction:</b>	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Special Conditions:</b>					

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
<b>Preliminary Engineering</b>		\$25,000						\$25,000		\$25,000
Date Complete:										
<b>Detail Plans</b>		\$100,000						\$100,000		\$100,000
Date Complete:										
<b>Land/Easements</b>		\$30,000						\$30,000		\$30,000
<b>Construction Engineering and Inspection</b>		\$0								\$0
<b>General Contractor</b>		\$600,000						\$600,000		\$600,000
<b>Misc</b>		\$0								\$0
<b>Total</b>		\$755,000	\$0	\$0	\$0	\$0	\$0	\$755,000	\$0	\$755,000

<b>Funding Source:</b>	Capital Improvement Fund	\$	-	\$	-	\$	-	\$	-	\$	-	\$	755,000	\$	-	\$	755,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**  
 Preliminary Engineering to include flow monitoring to verify / identify capacity restriction, actual peak flows, etc.  
 Addresses spans of sewer that were installed at minimum slope and act as capacity restrictions  
 Part of project identified in the WWMPU (MEF-P2-24)

**Problems:**

**Notes:**



## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Wards Corner Road Sewer Petition	6402-	Project Manager:	CR	<b>Date of Update:</b> 30-Jan-17	
<b>Description:</b>	Installation of approximately 1,950 feet of 8" sewer main and appurtenances along Wards Corner Road to benefit 27 parcels.				<b>Justificati</b> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Petition</span> BOH Master Plan XL	
<b>Township</b>	Miami					Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	\$ 250 O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP				<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Easements Procured:</b>	No					
<b>Special Conditions:</b>						

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
<b>Preliminary Engineering</b>		\$0								\$0
Date Complete:										
<b>Detail Plans</b>		\$40,000							\$40,000	\$40,000
Date Complete:										
<b>Land/Easements</b>		\$20,000							\$20,000	\$20,000
<b>Construction Engineering and Inspection</b>		\$0								\$0
<b>General Contractor</b>		\$350,000							\$350,000	\$350,000
<b>Misc</b>		\$20,000							\$20,000	\$20,000
<b>Total</b>		<b>\$430,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$430,000</b>	<b>\$430,000</b>

<b>Funding Source:</b>	Capital Improvement Fund	\$	-	\$	-	\$	-	\$	-	\$	-	\$	70,000	\$	70,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	360,000	\$	360,000
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**  
Eliminates HSTS's and addresses a petition

**Problems:**  
Pending roadway improvements

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Wastewater Model Maintenance	6402-	Project Manager:	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Annual contract to provide maintenance on the CCWRD Infoworks sewer model.				<b>Justificati</b> Petition BOH Master Plan XL
<b>Township</b>	Countywide				<b>Coordinates:</b>  Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	\$ -	O&M/year	<b>Resolutions:</b>	<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
<b>Easements Procured:</b>	N/A		RAGP RADP RON RDTP		
<b>Special Conditions:</b>					

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering		\$0								\$0
Date Complete:										
Detail Plans		\$100,000		\$50,000	\$25,000	\$25,000				\$100,000
Date Complete:										
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$0								\$0
Misc		\$0								\$0
<b>Total</b>		<b>\$100,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$25,000</b>	<b>\$25,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ 50,000	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ -	\$ 100,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Provides for updating of the various modeled areas of the wastewater system

**Problems:**

**Notes:**

## 2017 Wastewater Capital Improvement Project Summary

<b>Project :</b>	Wastewater Stream Revetment	6402-60049	Project Manager:	<b>Date of Update:</b>	30-Jan-17
<b>Description:</b>	Improvements to existing infrastructure to protect against damage from creeks and/or storm water.				<b>Justificati</b> Petition BOH Master Plan XL  Capacity Need Consent Order Other
<b>Township</b>	Countywide				<b>Coordinates:</b>
<b>Annual Effect on Operations:</b>	\$ -	O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP		<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Easements Procured:</b>	No				
<b>Special Conditions:</b>					

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
<b>Preliminary Engineering</b>		\$0								\$0
<b>Detail Plans</b>	Stantec	\$36,032	\$36,032							\$36,032
<b>Land/Easements</b>		\$0								\$0
<b>Construction Engineering and Inspection</b>		\$0								\$0
<b>General Contractor</b>		\$489,432	\$239,432	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000		\$489,432
<b>Misc</b>		\$0								\$0
<b>Total</b>		\$525,464	\$275,464	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$0	\$525,464
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 275,464	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 525,464
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Protection of sanitary infrastructure from stormwater & stream erosion.

**Problems:**

Locations:  
 MH 5283-5291, pipe segment #1942.

**Notes:**



