

## 2018 Water Capital Improvement - Project Summary

### Sources of Funds

<b>Trust Funds (Balance 12/31/17)</b>			
Water Source Protection Fund	\$	61,869	[1]
Water Capital Improvement Fund	\$	6,319,887	
2013 Revenue Bond Replacement & Improvement Fund	\$	2,164,978	
2013 Reserve available in 2018	\$	1,669,064	
<b>Total On Hand</b>	<b>\$</b>	<b>10,215,798</b>	
<b>Additional Funds</b>			
From Operations for Capital Contribution includes Interest Income (Hist average with estimated increase for new meters)	\$	10,330,000	
From Operations - System Capacity Charges: (Avg \$0.93M/Yr)	\$	5,000,000	
Grants           OPWC	\$	1,065,000	
Assessment	\$	164,640	
Sewer contribution to Meter Replacement	\$	250,850	
<b>Total Source of Funds</b>	<b>\$</b>	<b>27,026,288</b>	
Replacement & Improvement Requirement not required when bonds paid off			
Capital Improvement Fund Contingency	\$	(5,000,000)	
 <b>Available Funding for 2018- 2022 Construction Projects:</b>	 <b>\$</b>	 <b>22,026,288</b>	

[1]           The Water Source Protection fund is to be utilized only for projects designed to protect our raw water resources from degradation of quality.

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

## 2018 Waterworks Capital Improvement - Project Summary

Project #	Description	Planned	Prior Yr. CTD	2018	2019	2020	2021	2022	2023 - Beyond	Total	*Adj. 5 Year Total
6401-	Afton & Goshen Elevated Water Storage Tanks - Insp., Eval., Rehab., & Coatings Appl.	670,000	-	-	-	10,000	660,000	-	-	670,000	670,000
6401-	Aicholtz Road WM Replacement (Eastgate Blvd to Glen Este-Withamsville Rd)	400,000	-	-	-	-	-	-	400,000	400,000	-
6401-	Arc Flash Analysis & Labeling	125,000	-	25,000	100,000	-	-	-	-	125,000	125,000
6401-	BMW Floc/Sed Basins 1 & 2 Rehabilitation and Painting	227,000	-	-	227,000	-	-	-	-	227,000	227,000
6401-	BMW Roof Replacement Phase II	330,000	-	-	-	330,000	-	-	-	330,000	330,000
6401-60126	Booster Pump Stations 1 & 3 - Improvements	502,720	458,107	44,613	-	-	-	-	-	502,720	44,613
6401-	Branch Hill Guinea Road WM Replacement (Bridlepath to Jer-Les)	350,000	-	350,000	-	-	-	-	-	350,000	350,000
6401-	Branch Hill Guinea Road WM Replacement (Bridlepath to Murle)	701,250	-	-	63,750	637,500	-	-	-	701,250	701,250
6401-	Branch Hill Guinea WM Replacement (Jer-Les to Glen Echo)	440,000	-	-	-	-	40,000	400,000	-	440,000	440,000
6401-	Buckwheat Elevated Tank Inspection, Evaluation and Maintenance	765,000	-	-	-	-	-	-	765,000	765,000	-
6401-	Buckwheat Transmission Main	16,500,000	-	-	-	-	-	-	16,500,000	16,500,000	-
6401-60037	Cherry Grove 1 MG Tank (1020)	2,600,450	88,450	-	-	-	40,000	1,372,000	1,100,000	2,600,450	1,412,000
6401-	Clepper Lane Water Main Replacement	228,000	-	-	228,000	-	-	-	-	228,000	228,000
6401-	Computerized Maintenance Management System (CMMS)	150,000	-	150,000	-	-	-	-	-	150,000	150,000
6401-	Day Heights Elevated Tank Inspection, Evaluation and Maintenance	665,000	-	-	-	-	-	-	665,000	665,000	-
6401-	Day Heights Tank to SR 131 Loop	217,100	-	-	-	-	-	217,100	-	217,100	217,100
6401-	Elwynn, Deblin, & Berdova WM Replacement	825,500	-	70,000	25,000	730,500	-	-	-	825,500	825,500
6401-	GIS - Water	75,000	-	-	25,000	-	25,000	-	25,000	75,000	50,000
6401-60158	Glendale & Glen Willow WM Replacement	484,000	-	64,000	310,000	110,000	-	-	-	484,000	484,000
6401-	Goshen Road Water Main Loop	765,000	-	-	-	-	765,000	-	-	765,000	765,000
6401-	Hopper Hill Road Water Main Replacement	1,070,000	-	-	-	100,000	970,000	-	-	1,070,000	1,070,000
6401-	McPicken Road WM Replacement	335,000	-	60,000	275,000	-	-	-	-	335,000	335,000
6401-	Menno Drive WM Replacement	107,400	-	10,000	97,400	-	-	-	-	107,400	107,400
6401-60130	Meter Upgrades-System Wide	8,754,400	8,252,700	358,500	143,200	-	-	-	-	8,754,400	501,700
6401-	Miamiville Area Water Main Replacement	235,000	-	135,000	100,000	-	-	-	-	235,000	235,000
6401-	Miamiville Elevated Tank Inspection, Evaluation and Maintenance	310,000	-	-	-	-	-	10,000	300,000	310,000	10,000
6401-60151	Milford Hills Dr. & Brooklyn Ave. Area WM Replacement	872,750	32,000	470,750	370,000	-	-	-	-	872,750	840,750
6401-	Ninemile-Bradbury Transmission Main	572,000	-	-	22,000	50,000	500,000	-	-	572,000	572,000
6401-	Old SR 74 Water Main Extension	1,002,500	-	-	-	-	-	1,002,500	-	1,002,500	1,002,500
6401-	Old SR 74 WM Replacement - SR 32 to Summerside	292,000	-	26,000	266,000	-	-	-	-	292,000	292,000
6401-	Old SR 74 WM Replacement - GEW to School House	300,000	-	-	300,000	-	-	-	-	300,000	300,000
6401-	Old SR 74 WM Replacement (GE-Withamsville to Eastgate Blvd)	430,000	-	-	-	-	-	430,000	-	430,000	430,000
6401-60132	Plum Street Water Petition	75,610	47,300	28,310	-	-	-	-	-	75,610	28,310
6401-	Price Road Water Main Replacement (Loveland Miamiville Rd to I-275)	370,000	-	-	-	-	50,000	320,000	-	370,000	370,000

2018 Waterworks Capital Improvement - Project Summary											
Project #	Description	Planned	Prior Yr. CTD	2018	2019	2020	2021	2022	2023 - Beyond	Total	*Adj. 5 Year Total
6401-	Price Road Water Main Replacement (Hobby Horse Ln. to Pine Ridge Rd.)	350,000	-	-	-	50,000	300,000	-	-	350,000	350,000
6401-	PUB Well Field Control Tower for Wells 17-20	215,000	-	15,000	200,000	-	-	-	-	215,000	215,000
6401-60089	PUB Well Field Development	334,880	34,880	-	-	-	-	-	300,000	334,880	-
6401-	PUB Well Field Rehabilitation	600,000	-	-	150,000	150,000	150,000	150,000	-	600,000	600,000
6401-60091	Rancho Lane Water Petition	80,585	2,585	78,000	-	-	-	-	-	80,585	78,000
6401-	SR 125 Water Main Replacement	330,000	-	-	330,000	-	-	-	-	330,000	330,000
6401-	SR 132 North of Judd Road	410,000	-	-	-	35,000	375,000	-	-	410,000	410,000
6401-60152	SR 132 Water Service Connections	135,000	-	135,000	-	-	-	-	-	135,000	135,000
6401-	SR 132 WM Replacement (SR 48 to SR 28)	850,000	-	-	-	100,000	750,000	-	-	850,000	850,000
6401-60153	SR 28 WM Replacement (Buckwheat to Branch Hill Guinea)	906,000	27,300	16,700	862,000	-	-	-	-	906,000	878,700
6401-	SR 48 & Gibson Rd New 1 MG Tank	2,050,000	-	-	-	-	-	-	2,050,000	2,050,000	-
6401-60159	SR 48 & SR 28 Water Main Replacement	1,082,500	-	105,000	527,500	450,000	-	-	-	1,082,500	1,082,500
6401-	Summit Elevated Tank & BMW Intake Drive Struct. - Eval., Rehab. & Coatings Appl.	1,015,000	-	-	10,000	1,005,000	-	-	-	1,015,000	1,015,000
6401-60150	Surface Water Treatment Master Plan	50,000	6,600	43,400	-	-	-	-	-	50,000	43,400
6401-	Taylor Avenue Water Petition	72,200	-	5,200	67,000	-	-	-	-	72,200	72,200
6401-60021	Tealtown / Sugar Camp Transmission Main	753,190	153,190	-	-	-	-	-	600,000	753,190	-
6401-60001	Utility Relocations	900,000	-	100,000	100,000	100,000	200,000	200,000	200,000	900,000	700,000
6401-	Water Distribution Model Maintenance	100,000	26,500	48,500	25,000	-	-	-	-	100,000	73,500
6401-	Water Main Replacement Program	3,295,000	-	-	-	305,000	390,000	500,000	2,100,000	3,295,000	1,195,000
6401-60082	Watershed/Wellhead Protection	314,400	54,400	10,000	50,000	50,000	50,000	50,000	50,000	314,400	210,000
6401-60154	Water System SCADA Upgrade	670,000	-	670,000	-	-	-	-	-	670,000	670,000
	<b>TOTAL</b>	<b>56,261,435</b>	<b>9,184,012</b>	<b>3,018,973</b>	<b>4,873,850</b>	<b>4,213,000</b>	<b>5,265,000</b>	<b>4,651,600</b>	<b>25,055,000</b>	<b>56,261,435</b>	<b>22,022,423</b>

**2018 Water Capital Improvement - Project Summary**

Description	Funding Source	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total	*Adj. 5 Yr Total
Afton & Goshen Elevated Water Storage Tanks - Insp., Eval., Rehab., & Coatings Appl.	-	670,000	-	-	-	10,000	660,000	-	-	670,000	670,000
	Capital Improvement Fund	-	-	-	-	10,000	660,000	-	-	670,000	670,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Aicholtz Road WM Replacement (Eastgate Blvd to Glen Este-Withamsville Rd)	-	400,000	-	-	-	-	-	-	400,000	400,000	-
	Capital Improvement Fund	-	-	-	-	-	-	-	400,000	400,000	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Arc Flash Analysis & Labeling	-	125,000	-	25,000	100,000	-	-	-	-	125,000	125,000
	Capital Improvement Fund	-	-	25,000	100,000	-	-	-	-	125,000	125,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
BMW Floc/Sed Basins 1 & 2 Rehabilitation and Painting	-	227,000	-	-	227,000	-	-	-	-	227,000	227,000
	Capital Improvement Fund	-	-	-	227,000	-	-	-	-	227,000	227,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
BMW Roof Replacement Phase II	-	330,000	-	-	-	330,000	-	-	-	330,000	330,000
	Capital Improvement Fund	-	-	-	-	330,000	-	-	-	330,000	330,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Booster Pump Stations 1 & 3 - Improvements	-	502,720	458,107	44,613	-	-	-	-	-	502,720	44,613
	Capital Improvement Fund	-	458,107	44,613	-	-	-	-	-	502,720	44,613
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Branch Hill Guinea Road WM Replacement (Bridlepath to Jer-Les)	-	350,000	-	350,000	-	-	-	-	-	350,000	350,000
	Capital Improvement Fund	-	-	350,000	-	-	-	-	-	350,000	350,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Branch Hill Guinea Road WM Replacement (Bridlepath to Murle)	-	701,250	-	-	63,750	637,500	-	-	-	701,250	701,250
	Capital Improvement Fund	-	-	-	63,750	637,500	-	-	-	701,250	701,250
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Branch Hill Guinea WM Replacement (Jer-Les to Glen Echo)	-	440,000	-	-	-	-	40,000	400,000	-	440,000	440,000
	Capital Improvement Fund	-	-	-	-	-	40,000	400,000	-	440,000	440,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Buckwheat Elevated Tank Inspection, Evaluation and Maintenance	-	765,000	-	-	-	-	-	-	765,000	765,000	-
	Capital Improvement Fund	-	-	-	-	-	-	-	765,000	765,000	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Buckwheat Transmission Main	-	16,500,000	-	-	-	-	-	-	16,500,000	16,500,000	-
	Capital Improvement Fund	-	-	-	-	-	-	-	16,500,000	16,500,000	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Cherry Grove 1 MG Tank (1020)	-	2,600,450	88,450	-	-	-	40,000	1,372,000	1,100,000	2,600,450	1,412,000
	Capital Improvement Fund	-	88,450	-	-	-	40,000	1,372,000	1,100,000	2,600,450	1,412,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-

**2018 Water Capital Improvement - Project Summary**

Description	Funding Source	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total	*Adj. 5 Yr Total
Clepper Lane Water Main Replacement		228,000	-	-	228,000	-	-	-	-	228,000	228,000
	Capital Improvement Fund	-	-	-	228,000	-	-	-	-	228,000	228,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Computerized Maintenance Management System (CMMS)		150,000	-	150,000	-	-	-	-	-	150,000	150,000
	Capital Improvement Fund	-	-	150,000	-	-	-	-	-	150,000	150,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Day Heights Elevated Tank Inspection, Evaluation and Maintenance		665,000	-	-	-	-	-	-	665,000	665,000	-
	Capital Improvement Fund	-	-	-	-	-	-	-	665,000	665,000	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Day Heights Tank to SR 131 Loop		217,100	-	-	-	-	-	217,100	-	217,100	217,100
	Capital Improvement Fund	-	-	-	-	-	-	217,100	-	217,100	217,100
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Elwynn, Deblin, & Berdova WM Replacement		825,500	-	70,000	25,000	730,500	-	-	-	825,500	825,500
	Capital Improvement Fund	-	-	70,000	25,000	430,500	-	-	-	525,500	525,500
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	300,000	-	-	-	300,000	300,000
GIS - Water		75,000	-	-	25,000	-	25,000	-	25,000	75,000	50,000
	Capital Improvement Fund	-	-	-	25,000	-	25,000	-	25,000	75,000	50,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Glendale & Glen Willow WM Replacement		484,000	-	64,000	310,000	110,000	-	-	-	484,000	484,000
	Capital Improvement Fund	-	-	64,000	128,400	56,600	-	-	-	249,000	249,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant OPWC	-	-	-	181,600	53,400	-	-	-	235,000	235,000
Goshen Road Water Main Loop		765,000	-	-	-	-	765,000	-	-	765,000	765,000
	Capital Improvement Fund	-	-	-	-	-	765,000	-	-	765,000	765,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Hopper Hill Road Water Main Replacement		1,070,000	-	-	-	100,000	970,000	-	-	1,070,000	1,070,000
	Capital Improvement Fund	-	-	-	-	100,000	970,000	-	-	1,070,000	1,070,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
McPicken Road WM Replacement		335,000	-	60,000	275,000	-	-	-	-	335,000	335,000
	Capital Improvement Fund	-	-	60,000	275,000	-	-	-	-	335,000	335,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Menno Drive WM Replacement		107,400	-	10,000	97,400	-	-	-	-	107,400	107,400
	Capital Improvement Fund	-	-	10,000	97,400	-	-	-	-	107,400	107,400
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Miamiville Area Water Main Replacement		235,000	-	135,000	100,000	-	-	-	-	235,000	235,000
	Capital Improvement Fund	-	-	135,000	100,000	-	-	-	-	235,000	235,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-

**2018 Water Capital Improvement - Project Summary**

Description	Funding Source	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total	*Adj. 5 Yr Total
Miamiville Elevated Tank Inspection, Evaluation and Maintenance		310,000	-	-	-	-	-	10,000	300,000	310,000	10,000
	Capital Improvement Fund	-	-	-	-	-	-	10,000	300,000	310,000	10,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Meter Upgrades-System Wide		8,754,400	8,252,700	358,500	143,200	-	-	-	-	8,754,400	501,700
	Capital Improvement Fund	-	8,252,700	358,500	143,200	-	-	-	-	8,754,400	501,700
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Milford Hills Dr. & Brooklyn Ave. Area WM Replacement		872,750	32,000	470,750	370,000	-	-	-	-	872,750	840,750
	Capital Improvement Fund	-	32,000	470,750	370,000	-	-	-	-	872,750	840,750
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Ninemile-Bradbury Transmission Main		572,000	-	-	22,000	50,000	500,000	-	-	572,000	572,000
	Capital Improvement Fund	-	-	-	22,000	50,000	500,000	-	-	572,000	572,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Old SR 74 Water Main Extension		1,002,500	-	-	-	-	-	1,002,500	-	1,002,500	1,002,500
	Capital Improvement Fund	-	-	-	-	-	-	1,002,500	-	1,002,500	1,002,500
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Old SR 74 WM Replacement (GE-Withamsville to Eastgate Blvd)		430,000	-	-	-	-	-	430,000	-	430,000	430,000
	Capital Improvement Fund	-	-	-	-	-	-	430,000	-	430,000	430,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Old SR 74 WM Replacement - GEW to School House		300,000	-	-	300,000	-	-	-	-	300,000	300,000
	Capital Improvement Fund	-	-	-	300,000	-	-	-	-	300,000	300,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Old SR 74 WM Replacement - SR 32 to Summerside		292,000	-	26,000	266,000	-	-	-	-	292,000	292,000
	Capital Improvement Fund	-	-	26,000	266,000	-	-	-	-	292,000	292,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Plum Street Water Petition		75,610	47,300	28,310	-	-	-	-	-	75,610	28,310
	Capital Improvement Fund	-	47,300	28,310	(38,640)	-	-	-	-	36,970	(10,330)
	Assessment	-	-	-	38,640	-	-	-	-	38,640	38,640
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Price Road Water Main Replacement (Hobby Horse Ln. to Pine Ridge Rd.)		350,000	-	-	-	50,000	300,000	-	-	350,000	350,000
	Capital Improvement Fund	-	-	-	-	50,000	300,000	-	-	350,000	350,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Price Road Water Main Replacement (Loveland Miami Rd to I-275)		370,000	-	-	-	-	50,000	320,000	-	370,000	370,000
	Capital Improvement Fund	-	-	-	-	-	50,000	320,000	-	370,000	370,000
	Assessment	-	-	-	-	-	-	-	-	50,000	50,000
	Loan Grant	-	-	-	-	-	-	-	-	-	-
PUB Well Field Control Tower for Wells 17-20		215,000	-	15,000	200,000	-	-	-	-	215,000	215,000
	Capital Improvement Fund	-	-	15,000	200,000	-	-	-	-	215,000	215,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-

**2018 Water Capital Improvement - Project Summary**

Description	Funding Source	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total	*Adj. 5 Yr Total
PUB Well Field Development	-	334,880	34,880	-	-	-	-	-	300,000	334,880	-
	Capital Improvement Fund	-	34,880	-	-	-	-	-	300,000	334,880	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
PUB Well Field Rehabilitation	-	600,000	-	-	150,000	150,000	150,000	150,000	-	600,000	600,000
	Capital Improvement Fund	-	-	-	150,000	150,000	150,000	150,000	-	600,000	600,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Rancho Lane Water Petition	-	80,585	2,585	78,000	-	-	-	-	-	80,585	78,000
	Capital Improvement Fund	-	2,585	78,000	(66,000)	-	-	-	-	14,585	12,000
	Assessment	-	-	-	66,000	-	-	-	-	66,000	66,000
	Loan Grant	-	-	-	-	-	-	-	-	-	-
SR 125 Water Main Replacement	-	330,000	-	-	330,000	-	-	-	-	330,000	330,000
	Capital Improvement Fund	-	-	-	330,000	-	-	-	-	330,000	330,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
SR 132 North of Judd Road	-	410,000	-	-	-	35,000	375,000	-	-	410,000	410,000
	Capital Improvement Fund	-	-	-	-	35,000	375,000	-	-	410,000	410,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
SR 132 Water Service Connections	-	135,000	-	135,000	-	-	-	-	-	135,000	135,000
	Capital Improvement Fund	-	-	135,000	-	-	-	-	-	135,000	135,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
SR 132 WM Replacement (SR 48 to SR 28)	-	850,000	-	-	-	100,000	750,000	-	-	850,000	850,000
	Capital Improvement Fund	-	-	-	-	100,000	750,000	-	-	850,000	850,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
SR 28 WM Replacement (Buckwheat to Branch Hill Guinea)	-	906,000	27,300	16,700	862,000	-	-	-	-	906,000	878,700
	Capital Improvement Fund	-	27,300	16,700	862,000	-	-	-	-	906,000	878,700
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
SR 48 & SR 28 Water Main Replacement	-	1,082,500	-	105,000	527,500	450,000	-	-	-	1,082,500	1,082,500
	Capital Improvement Fund	-	-	105,000	217,800	229,700	-	-	-	552,500	552,500
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant OPWC	-	-	-	309,700	220,300	-	-	-	530,000	530,000
SR 48 & Gibson Rd New 1 MG Tank	-	2,050,000	-	-	-	-	-	-	2,050,000	2,050,000	-
	Capital Improvement Fund	-	-	-	-	-	-	-	2,050,000	2,050,000	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Summit Elevated Tank & BMW Intake Drive Struct. - Eval., Rehab. & Coatings Appl.	-	1,015,000	-	-	10,000	1,005,000	-	-	-	1,015,000	1,015,000
	Capital Improvement Fund	-	-	-	10,000	1,005,000	-	-	-	1,015,000	1,015,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Surface Water Treatment Master Plan	-	50,000	6,600	43,400	-	-	-	-	-	50,000	43,400
	Capital Improvement Fund	-	6,600	43,400	-	-	-	-	-	50,000	43,400
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-

**2018 Water Capital Improvement - Project Summary**

Description	Funding Source	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total	*Adj. 5 Yr Total
Taylor Avenue Water Petition	-	72,200	-	5,200	67,000	-	-	-	-	72,200	72,200
	Capital Improvement Fund	-	-	5,200	67,000	(60,000)	-	-	-	12,200	12,200
	Assessment	-	-	-	-	60,000	-	-	-	60,000	60,000
	Loan Grant (OPWC)	-	-	-	-	-	-	-	-	-	-
Tealtown / Sugar Camp Transmission Main	-	753,190	153,190	-	-	-	-	-	600,000	753,190	-
	Capital Improvement Fund	-	153,190	-	-	-	-	-	600,000	753,190	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Utility Relocations	-	900,000	-	100,000	100,000	100,000	200,000	200,000	200,000	900,000	700,000
	Capital Improvement Fund	-	-	100,000	100,000	100,000	200,000	200,000	200,000	900,000	700,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Water Distribution Model Maintenance	-	100,000	26,500	48,500	25,000	-	-	-	-	100,000	73,500
	Capital Improvement Fund	-	26,500	48,500	25,000	-	-	-	-	100,000	73,500
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Water Main Replacement Program	-	3,295,000	-	-	-	305,000	390,000	500,000	2,100,000	3,295,000	1,195,000
	Capital Improvement Fund	-	-	-	-	305,000	390,000	500,000	2,100,000	3,295,000	1,195,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Watershed/Wellhead Protection	-	314,400	54,400	10,000	50,000	50,000	50,000	50,000	50,000	314,400	210,000
	Capital Improvement Fund	-	54,400	10,000	50,000	50,000	50,000	50,000	50,000	314,400	210,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Water System SCADA Upgrade	-	670,000	-	670,000	-	-	-	-	-	670,000	670,000
	Capital Improvement Fund	-	-	670,000	-	-	-	-	-	670,000	670,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
TOTAL	Expenditures	56,261,435	9,184,012	3,018,973	4,873,850	4,213,000	5,265,000	4,651,600	25,055,000	56,261,435	22,022,423
	Capital Improvement Fund	-	9,184,012	3,018,973	4,277,910	3,579,300	5,265,000	4,331,600	25,055,000	54,711,795	20,472,783
	Assessment	-	-	-	104,640	60,000	-	-	-	164,640	164,640
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	491,300	573,700	-	-	-	1,065,000	1,065,000
*Adjusted 5 year plan = 2018-2022 Expenditure Plan											



## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Afton & Goshen Elevated Water Storage Tanks - Insp., Eval., Rehab., & Coatings Appl. 6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Inspection, evaluation, rehabilitation and protective coatings application to the 200,000 gallon Afton and Goshen elevated water storage tanks.			<b>Justification:</b> Petition BOH Master Plan XL  <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Capacity Need</span> Consent Order Other
<b>Township:</b>	Williamsburg and Goshen			<b>Coordinates:</b>
<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>	na	RAGP RADP RON RDTP		
<b>Special Conditions:</b>				

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:		\$10,000				\$10,000				\$10,000
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$660,000					\$660,000			\$660,000
Misc										\$0
<b>Total</b>		<b>\$ 670,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 660,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 670,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ 660,000	\$ -	\$ -	\$ 670,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Repairs and protects the metal surface thereby extending the useful life of the water storage tanks.

**Problems:**

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b> Aicholtz Road WM Replacement (Eastgate Blvd to Glen Este-Withamsville Rd) 6401- Project Manager:	<b>Date of Update:</b> 2-Feb-18
<b>Description:</b> Replacement of approximately 4,000 feet of 16" cast iron water main installed in 1963 with new 16" water main in coordination with a TID Project.	<b>Justification:</b> Petition BOH Master Plan XL  <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Capacity</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Need</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;">Other</span>
<b>Township:</b>	<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>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Special Conditions:</b> Coordinate w/ TID Project	

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:										\$0
Land/Easements										\$0
Construction Engineering and Inspection General Contractor		\$400,000							\$400,000	\$400,000
Misc										\$0
<b>Total</b>		\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$400,000	\$400,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ 400,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**

  
  
  

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

  
  
  

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b> Arc Flash Analysis & Labeling	6401-	Project Manager:	<b>Date of Update:</b> 2-Feb-18
<b>Description:</b> Identification and labeling of arc flash hazards at various locations in the wastewater treatment and collection system to assist with NFPA70E compliance.			<b>Justification:</b> Petition BOH Master Plan XL
<b>Township:</b> County Wide			<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> N/A			
<b>Special Conditions:</b>			

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
<b>Preliminary Engineering</b>		\$0								\$0
<b>Date Complete:</b>										
<b>Detail Plans</b>		\$25,000		\$25,000						\$25,000
<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>		\$125,000	\$0	\$25,000	\$100,000	\$0	\$0	\$0	\$0	\$125,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ 25,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 125,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Protection of employees from work place hazards.  
Compliance with NFPA70E.

**Problems:**

**Notes:**

## 2018 Water Capital Improvement - Project Summary

**Project :** BMW Floc/Sed Basins 1 & 2 Rehabilitation and Painting 6401-

**Project Manager:**

**Date of Update:** 2-Feb-18

**Description:** Rehabilitation and painting of the sludge collector equipment for floc/sed basins #1 & 2, at the BMW Treatment Plant.

**Justification:** Petition  
BOH  
Master Plan  
XL  
Capacity  
Need  
Consent Order  
Other

**Township:** Batavia

**Coordinates:**

**Annual Effect on Operations:** \$0 O&M/year

**Resolutions:** RAGP  
RADP  
RON  
RDTP

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

**Easements Procured:** N/A

**Special Conditions:**

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:		\$7,000			\$7,000					\$7,000
Land/Easements										\$0
Construction Engineering and Inspection		\$20,000			\$20,000					\$20,000
General Contractor		\$200,000			\$200,000					\$200,000
Misc										\$0
<b>Total</b>		<b>\$ 227,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 227,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 227,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ 227,000	\$ -	\$ -	\$ -	\$ -	\$ 227,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**

Protects the metal surface thereby extending the useful life of the equipment.

**Problems:**

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b> BMW Roof Replacement Phase II			6401-	<b>Project Manager:</b>		<b>Date of Update:</b> 2-Feb-18	
<b>Description:</b> Replacement of the existing roof over the Filter, high service pumps and garage buildings.					<b>Justification:</b> Petition		Capacity
<b>Township:</b> Batavia					BOH		Need
					Master Plan		Consent Order
					XL		Other
<b>Annual Effect on Operations:</b> \$0 O&M/year			<b>Resolutions:</b> RAGP		<b>Construction:</b> Bid Opening:		
<b>Easements Procured:</b> N/A			RADP		Contract Award:		
<b>Special Conditions:</b>			RON		Contract Execution:		
			RDTP		Notice to Proceed:		

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										\$0
Detail Plans										\$0
Date Complete:										\$0
Land/Easements										\$0
Construction Engineering and Inspection		\$330,000				\$330,000				\$330,000
General Contractor										\$0
Misc										\$0
<b>Total</b>		<b>\$330,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$330,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$330,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ 330,000	\$ -	\$ -	\$ -	\$ 330,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Protects and prolongs the useful life of the existing infrastructures.

**Problems:**

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b> Booster Pump Stations 1 & 3 - Improvements      6401-60126      Project Manager: JG	<b>Date of Update:</b> 2-Feb-18
<b>Description:</b> Replacement of pumps, motors, and controls at the Booster 1 & 3 Pump Stations.	<b>Justification:</b> Petition      Capacity BOH <u>Need</u> <u>Master Plan</u> Consent Order XL      Other
<b>Township:</b> Miami	<b>Coordinates:</b>
<b>Annual Effect on Operations:</b> \$3,000 O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP
<b>Easements Procured:</b> N/A	<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Special Conditions:</b>	

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
<b>Preliminary Engineering</b>										\$0
<b>Date Complete:</b>										
<b>Detail Plans</b>		\$36,000	\$36,000							\$36,000
<b>Date Complete:</b>										
<b>Land/Easements</b>										\$0
<b>Construction Engineering and Inspection</b>										\$0
<b>General Contractor</b>		\$464,970	\$421,607	\$43,363						\$464,970
<b>Misc - Permitting</b>		\$1,750	\$500	\$1,250						\$1,750
<b>Total</b>		\$502,720	\$458,107	\$44,613	\$0	\$0	\$0	\$0	\$0	\$502,720
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 458,107	\$ 44,613	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 502,720
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Replaces aging pumps and controls that have reached the end of their useful life.  
 Booster 1 improvements were identified in the Water Quality Report by H&S. These improvements will lessen the overall systems electric demand.  
 Note: The Branch Hill Booster Station is the Booster 1 Pump Station

**Problems:**

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Branch Hill Guinea Road WM Replacement (Bridlepath to Jer-Les)	6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Replacement of approximately 5,000 feet of 12" & 10" cast iron water main with approximately 2,790 feet of 16", 12", & 10" water main in coordination with a roadway improvement project along Branch Hill Guinea Road from Bridlepath Lane to Jer-Les Drive.			<b>Justification:</b>	Petition BOH Master Plan XL
<b>Township:</b>	Miami			<b>Coordinates:</b>	<div style="display: flex; justify-content: space-between;"> <span>Capacity</span> <span>Need</span> </div> <div style="display: flex; justify-content: space-between;"> <span>Consent Order</span> <span>Other</span> </div>
<b>Annual Effect on Operations:</b>	\$500	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>	Coordinate w/ TID Project				<b>Contract Execution:</b>
					<b>Notice to Proceed:</b>

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:										\$0
Land/Easements										\$0
Construction Engineering and Inspection		\$350,000		\$350,000						\$350,000
General Contractor										\$0
Misc										\$0
<b>Total</b>		\$350,000	\$0	\$350,000	\$0	\$0	\$0	\$0	\$0	\$350,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Possible joint OPWC project.

**Problems:**

**Notes:**  
Previous limits Branch Hill Guinea from Weber to Jer-Les.

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Branch Hill Guinea Road WM Replacement (Bridlepath to Murle) 6401-	Project Manager:	<b>Date of Update:</b> 2-Feb-18
<b>Description:</b>	Replacement of approximately 10,200 feet of 12" & 10" cast iron water main with approximately 5,100 feet of 16" ductile iron water main in coordination with a roadway improvement project along Branch Hill Guinea Road from Bridlepath Lane to Murle Lane.		<b>Justification:</b> Petition BOH Master Plan XL  <div style="text-align: right;"> <input type="radio"/> Capacity  <input checked="" type="radio"/> Need  <input type="radio"/> Consent Order  <input type="radio"/> Other         </div>
<b>Township:</b>			
<b>Annual Effect on Operations:</b>	\$1,250 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>	Coordinate w/ TID Project		

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$63,750			\$63,750					\$63,750
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$637,500				\$637,500				\$637,500
Misc										\$0
<b>Total</b>		<b>\$ 701,250</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 63,750</b>	<b>\$ 637,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$701,250</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ 63,750	\$ 637,500	\$ -	\$ -	\$ -	\$ 701,250
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**

  
  
  
  

**Problems:**

  
  
  
  

**Notes:**



## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Branch Hill Guinea WM Replacement (Jer-Les to Glen Echo)	6401-	Project Manager:		<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Replacement of approximately 6400 feet of 12" & 10" cast iron water main with approximately 3200 feet of 16" ductile iron water main in coordination with a roadway improvement project along Branch Hill Guinea Road from Jer-Les to Glen Echo.				<b>Justification:</b>	Petition BOH Master Plan XL
<b>Township:</b>					<b>Coordinates:</b>	Capacity Need Consent Order Other
<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>	N/A					
<b>Special Conditions:</b>	Coordinate w/ TID Project					

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total	
<b>Preliminary Engineering</b>										\$0	
<b>Date Complete:</b>											
<b>Detail Plans</b>		\$40,000					\$40,000			\$40,000	
<b>Date Complete:</b>											
<b>Land/Easements</b>										\$0	
<b>Construction Engineering and Inspection</b>										\$0	
<b>General Contractor</b>		\$400,000						\$400,000		\$400,000	
<b>Misc</b>										\$0	
<b>Total</b>		\$440,000	\$0	\$0	\$0	\$0	\$40,000	\$400,000	\$0	\$440,000	
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	-	\$	-	\$	-	\$	40,000	\$	400,000
	<b>Assessment</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Loan</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>OPWC Grant</b>	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**

  
  
  

**Problems:**

  
  
  

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Buckwheat Elevated Tank Inspection, Evaluation and Maintenance	6401-	Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Inspection, evaluation and maintenance of the existing Buckwheat 2M gallon elevated water storage tank. Work to include any necessary protective coating repair and replacement.			<b>Justification:</b>	Petition BOH Master Plan XL Capacity <b>Need</b> Consent Order Other
<b>Township:</b>	Miami			<b>Coordinates:</b>	
<b>Annual Effect on Operations:</b>	\$0	O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP	<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	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:		\$15,000							\$15,000	\$15,000
Land/Easements										\$0
Construction Engineering and Inspection General Contractor		\$750,000							\$750,000	\$750,000
Misc										\$0
<b>Total</b>		\$765,000	\$0	\$0	\$0	\$0	\$0	\$0	\$765,000	\$765,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 765,000	\$ 765,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Protects the metal surface area thereby extending the useful life of the tank.

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

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Buckwheat Transmission Main	6401-	Project Manager:		<b>Date of Update:</b> 2-Feb-18
<b>Description:</b>	Construction of approximately 46,000 feet of 30" transmission main from the BMW WTP to the proposed 24" main on Stonelick Williams Corner Road at Mt. Zion Road; and approximately 18,000 feet of 16" main along Mt. Zion Road to the Buckwheat Elevated Water Storage Tank.				<b>Justification:</b> Petition BOH Master Plan XL Capacity Need Consent Order Other
<b>Township:</b>	Batavia, Stonelick, Miami				<b>Coordinates:</b>
<b>Annual Effect on Operations:</b>	\$5,000	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	2018	2019	2020	2021	2022	2023-Beyond	Total
<b>Preliminary Engineering</b>										\$0
Date Complete:										
<b>Detail Plans</b>		\$1,000,000							\$1,000,000	\$1,000,000
Date Complete:										
<b>Land/Easements</b>		\$200,000							\$200,000	\$200,000
<b>Construction Engineering and Inspection</b>										\$0
<b>General Contractor</b>		\$13,500,000							\$13,500,000	\$13,500,000
<b>Misc</b>		\$1,800,000							\$1,800,000	\$1,800,000
<b>Total</b>		\$16,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$16,500,000	\$16,500,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,500,000	\$ 16,500,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Improves distribution from expanded BMW WTP to 1020 Pressure Zone and the Miami Twp area. Will also provide service for unserved areas.  
 Improves the ability to fill the Buckwheat, Williams Corner Area, Gaynor and Goshen Elevated Water Storage Tanks.  
 Required to take full advantage of the BMW WTP Expansion Project.

**Problems:**

**Notes:**

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

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Cherry Grove 1 MG Tank (1020)	6401-60037	Project Manager: JG	<b>Date of Update:</b> 2-Feb-18
<b>Description:</b>	Construction of a 1 MG elevated storage tank at elevation 1020 at the Home Depot site along SR 125/Independence Drive.			<b>Justification:</b> Petition BOH Master Plan XL Capacity <u>Need</u> Consent Order Other
<b>Township:</b>	Union Township			<b>Coordinates:</b>
<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>	Yes			
<b>Special Conditions:</b>				

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans	GS&P	\$113,430	\$73,430				\$40,000			\$113,430
Date Complete:										
Land/Easements		\$15,020	\$15,020							\$15,020
Construction Engineering and Inspection	Inspection	\$10,000						\$10,000		\$10,000
General Contractor		\$2,457,000						\$1,357,000	\$1,100,000	\$2,457,000
Misc		\$5,000						\$5,000		\$5,000
<b>Total</b>		<b>\$2,600,450</b>	<b>\$88,450</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$40,000</b>	<b>\$1,372,000</b>	<b>\$1,100,000</b>	<b>\$2,600,450</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 88,450	\$ -	\$ -	\$ -	\$ -	\$ 40,000	\$ 1,372,000	\$ 1,100,000	\$ 2,600,450
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Strengthen system and utilization of storage tank.  
 Improve capacity utilization.

**Problems:**

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Clepper Lane Water Main Replacement	6401-	Project Manager:	TC	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Replacement of approximately 2171 feet of existing 6" cast iron water main installed in 1954 with new 8" ductile iron water main in coordination with a ODOT Project.				<b>Justification:</b>	Petition BOH Master Plan XL
<b>Township:</b>					<b>Coordinates:</b>	Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	\$ 400 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/ ODOT Project					

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:										\$0
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$228,000			\$228,000					\$228,000
Misc										\$0
<b>Total</b>		<b>\$228,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$228,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$228,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ 228,000	\$ -	\$ -	\$ -	\$ -	\$ 228,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Replacement of aged infrastructure. Combining of resources with other county agency.

**Problems:**

**Notes:**  
Coordinate with ODOT Clepper Lane Extension Project, CLE-TR252 Clepper Lane Ext., PID 82552

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Computerized Maintenance Management System (CMMS)	6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Purchase of single CMMS software to be used throughout the Water Resources Department to track maintenance needs, work orders, etc.			<b>Justification:</b>	Petition BOH Master Plan XL
<b>Township:</b>				N/A	<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>	N/A				
<b>Special Conditions:</b>	50% Water/50% Sewer funds				

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering <i>Date Complete:</i>										\$0
Detail Plans <i>Date Complete:</i>										\$0
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor										\$0
Misc		\$150,000		\$150,000						\$150,000
<b>Total</b>		\$150,000	\$0	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

**Problems:**

**Notes:**  
In house development of the RFP in 2018.

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Day Heights Elevated Tank Inspection, Evaluation and Maintenance	6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Inspection, evaluation and maintenance of the existing Day Heights 1M gallon elevated water storage tank. Work to include any necessary protective coating repair and replacement.			<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>	\$0	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	2018	2019	2020	2021	2022	2023-Beyond	Total
<b>Preliminary Engineering</b>										\$0
<b>Date Complete:</b>										
<b>Detail Plans</b>		\$10,000							\$10,000	\$10,000
<b>Date Complete:</b>										
<b>Land/Easements</b>										\$0
<b>Construction Engineering and Inspection</b>										\$0
<b>General Contractor</b>		\$655,000							\$655,000	\$655,000
<b>Misc</b>										\$0
<b>Total</b>		<u>\$665,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$665,000</u>	<u>\$665,000</u>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 665,000	\$ 665,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Protects the metal surface area thereby extending the useful life of the tank.

**Problems:**

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Day Heights Tank to SR 131 Loop	6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	1,700 feet of 12" water main from the Day Heights Tank south to SR 131 and then west along SR 131 to Windsong Lane.			<b>Justification:</b>	Petition BOH Master Plan XL
<b>Township:</b>	Miami			<b>Coordinates:</b>	Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	\$ 300 O&M/year	<b>Resolutions:</b>		<b>Construction:</b>	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Easements Procured:</b>	No (1 required)		RAGP RADP RON RDTP		
<b>Special Conditions:</b>					

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$18,000						\$18,000		\$18,000
Date Complete:										
Land/Easements		\$10,000						\$10,000		\$10,000
Construction Engineering and Inspection										\$0
General Contractor		\$154,000						\$154,000		\$154,000
Misc		\$35,100						\$35,100		\$35,100
<b>Total</b>		<b>\$217,100</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$217,100</b>	<b>\$0</b>	<b>\$217,100</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 217,100	\$ -	\$ 217,100
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**

**Problems:** Cannot acquire easement from current property owner. Project on hold until easement is available.

**Notes:**

Project number formerly 621-0996



## 2018 Water Capital Improvement - Project Summary

<b>Project :</b> Elwynn, Deblin, & Berdova WM Replacement 6401- Project Manager:	<b>Date of Update:</b> 2-Feb-18
<b>Description:</b> Replacement of approximately 7,540 feet of existing 6" cast iron water main along Elwynn Drive, Deblin Drive, Mt. Vernon and Berdova Drive, with 8" ductile iron water main.	<b>Justification:</b> Petition BOH Master Plan XL <span style="float: right;">Capacity Need Consent Order Other</span>
<b>Township:</b> Miami	<b>Coordinates:</b>
<b>Annual Effect on Operations:</b> \$ 900 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	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:		\$70,000		\$70,000						\$70,000
Land/Easements		\$25,000			\$25,000					\$25,000
Construction Engineering and Inspection General Contractor		\$728,000				\$728,000				\$728,000
Misc		\$2,500				\$2,500				\$2,500
<b>Total</b>		<b>\$825,500</b>	<b>\$0</b>	<b>\$70,000</b>	<b>\$25,000</b>	<b>\$730,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$825,500</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ 70,000	\$ 25,000	\$ 430,500	\$ -	\$ -	\$ -	\$ 525,500
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Replaces undersized and aged water mains installed in 1959 & 1964.

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

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b> GIS - Water	6401-	Project Manager:	<b>Date of Update:</b> 2-Feb-18
<b>Description:</b> Contribution for Aerial Photography			<b>Justification:</b> Petition BOH Master Plan XL Capacity Need Consent Order Other
<b>Township:</b> Countywide			<b>Coordinates:</b> GIS
<b>Annual Effect on Operations:</b> N/A      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	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										\$0
Detail Plans										\$0
Date Complete:										\$0
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor										\$0
Misc		\$75,000			\$25,000		\$25,000		\$25,000	\$75,000
<b>Total</b>		\$75,000	\$0	\$0	\$25,000	\$0	\$25,000	\$0	\$25,000	\$75,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ 25,000	\$ -	\$ 25,000	\$ 75,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
provides aerial photography for GIS overlay

**Problems:**

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b> Glendale & Glen Willow WM Replacement      6401-60158      Project Manager: JG	<b>Date of Update:</b> 2-Feb-18
<b>Description:</b> Replacement of approximately 4,360 feet of existing 6" cast iron & ductile iron water main along Glendale Dr., Pood Dr. and Glen Willow Dr. with 8" ductile iron water main.	<b>Justification:</b> Petition      Capacity
	BOH <u>Need</u> Master Plan      Consent Order XL      Other
<b>Township:</b>	<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	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering <i>Date Complete:</i>										\$0
Detail Plans <i>Date Complete:</i>		\$49,000		\$49,000						\$49,000
Land/Easements		\$25,000		\$15,000	\$10,000					\$25,000
Construction Engineering and Inspection General Contractor		\$410,000			\$300,000	\$110,000				\$410,000
Misc										\$0
<b>Total</b>		<b>\$484,000</b>	<b>\$0</b>	<b>\$64,000</b>	<b>\$310,000</b>	<b>\$110,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$484,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ 64,000	\$ 128,400	\$ 56,600	\$ -	\$ -	\$ -	\$ 249,000
	Assessment			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant OPWC			\$ -	\$ 181,600	\$ 53,400	\$ -	\$ -	\$ -	\$ 235,000

**Positive Aspects of Project:**

  
  

**Problems:**

  
  

**Notes:**  
 Glendale & Pood, 2700' 6" ci or di 1961-1968  
 Glenwillow, 1660' ci or di 1958  
 If approved, grant funds become available July 2019.

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Goshen Road Water Main Loop	6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Approximately 13,600 feet of 8" water main along Goshen Road from Woodville Pike to Sutton Lane			<b>Justification:</b>	Petition BOH Master Plan XL
<b>Township:</b>	Stonelick, Wayne, & Goshen			<b>Coordinates:</b>	Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	\$ 1,700 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	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$65,000					\$65,000			\$65,000
Date Complete:										
Land/Easements		\$20,000					\$20,000			\$20,000
Construction Engineering and Inspection										\$0
General Contractor		\$680,000					\$680,000			\$680,000
Misc										\$0
<b>Total</b>		<b>\$765,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$765,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$765,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 765,000	\$ -	\$ -	\$ 765,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Creates a hydraulic loop and improves distribution to the North

**Problems:**

**Notes:**  
Former project number 621-0021

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Hopper Hill Road Water Main Replacement	6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Replacement of approximately 8530 feet of existing 6" cast iron along Hopper Hill Road from SR 125 to Hol-Cor Lane with 8" ductile iron water main.			<b>Justification:</b>	Petition BOH Master Plan XL Capacity Need Consent Order Other
<b>Township:</b>	Pierce and Union			<b>Coordinates:</b>	
<b>Annual Effect on Operations:</b>	\$	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	2018	2019	2020	2021	2022	2023-Beyond	Total	
Preliminary Engineering										\$0	
Date Complete:											
Detail Plans		\$75,000				\$75,000				\$75,000	
Date Complete:											
Land/Easements		\$25,000				\$25,000				\$25,000	
Construction Engineering and Inspection										\$0	
General Contractor		\$970,000					\$970,000			\$970,000	
Misc										\$0	
<b>Total</b>		<b>\$1,070,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$970,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,070,000</b>	
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	-	\$	-	\$	100,000	\$	970,000	\$	1,070,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**

  
  

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

  
  

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b> McPicken Road WM Replacement      6401-      Project Manager:			<b>Date of Update:</b> 2-Feb-18	
<b>Description:</b> Replacement of approximately 2210 feet of existing 6" cast iron water main along McPicken Drive installed in 1959.			<b>Justification:</b> Petition BOH <u>Capacity</u> Master Plan <u>Need</u> XL      Consent Order Other	
<b>Township:</b> Miami			<b>Coordinates:</b>	
<b>Annual Effect on Operations:</b> \$      400 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>		

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:		\$40,000		\$40,000						\$40,000
Land/Easements		\$20,000		\$20,000						\$20,000
Construction Engineering and Inspection		\$275,000			\$275,000					\$275,000
General Contractor										\$0
Misc										\$0
<b>Total</b>		<b>\$335,000</b>	<b>\$0</b>	<b>\$60,000</b>	<b>\$275,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$335,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ 60,000	\$ 275,000	\$ -	\$ -	\$ -	\$ -	\$ 335,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Replaces aging infrastructure that is nearing the end of its useful life.

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

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Menno Drive WM Replacement	6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Replacement of approximately 850 feet of existing 6" cast iron along Menno Drive starting at the intersection of Business 28 and terminating at the end of Menno Drive with new 8" ductile iron water main.			<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>	\$ 200 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	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering <i>Date Complete:</i>										\$0
Detail Plans <i>Date Complete:</i>		\$10,000		\$10,000						\$10,000
Land/Easements		\$5,000			\$5,000					\$5,000
Construction Engineering and Inspection General Contractor		\$92,400			\$92,400					\$92,400
Misc										\$0
<b>Total</b>		\$107,400	\$0	\$10,000	\$97,400	\$0	\$0	\$0	\$0	\$107,400
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ 10,000	\$ 97,400	\$ -	\$ -	\$ -	\$ -	\$ 107,400
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Replaces aging infrastructure that is nearing the end of its useful life.

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

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Meter Upgrades-System Wide	6401-60130	Project Manager:	CR	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Replacement of approximately 43,000 aged water meters and installation of a remote read data collection system. The new meters will include remote read registers and antennas. Also includes the replacement of approximately 200 larger meters with remote read registers and antennas.				<b>Justification:</b>	Petition BOH Master Plan XL Capacity Need Consent Order Other
<b>Township:</b>	County Wide				<b>Coordinates:</b>	
<b>Annual Effect on Operations:</b>	\$ 60,000 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>	All water meters upgraded					

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
<b>Preliminary Engineering</b>										\$0
<b>Date Complete:</b>										\$0
<b>Detail Plans</b>										\$0
<b>Date Complete:</b>										\$0
<b>Land/Easements</b>										\$0
<b>Construction Engineering and Inspection</b>										\$0
<b>General Contractor</b>		\$8,444,200	\$8,235,700	\$208,500						\$8,444,200
<b>Large Meter Replacement</b>		\$300,000	\$6,800	\$150,000	\$143,200					\$300,000
<b>Misc</b>		\$500	\$500							\$500
<b>Retro Meters</b>		\$9,700	\$9,700							\$9,700
<b>Total</b>		\$8,754,400	\$8,252,700	\$358,500	\$143,200	\$0	\$0	\$0	\$0	\$8,754,400
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 8,252,700	\$ 358,500	\$ 143,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,754,400
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Over time, water meters lose their accuracy. Replacement of the aged meters will result in more accurate billing. Additionally, the installation of a remote read system will result in lower reading costs, reduced field visits, and reduced customer calls. Project to be funded 50/50 with Sewer CIP. Large meter replacement budget \$300,000 total in 2017-2019.

**Problems:**

**Notes:**



## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Miamiville Area Water Main Replacement	6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Replacement of approximately 1,920 feet of existing 12" & 6" cast iron water main installed in 1959 with 12" and 6" ductile iron water main along SR 126, Front Street and Second Street. Work to include the relocation of services along a portion of Front Street.			<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>	\$ 400 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	2018	2019	2020	2021	2022	2023-Beyond	Total
<b>Preliminary Engineering</b>										\$0
<b>Date Complete:</b>		\$25,000		\$25,000						\$25,000
<b>Land/Easements</b>		\$10,000		\$10,000						\$10,000
<b>Construction Engineering and Inspection</b>										\$0
<b>General Contractor</b>		\$200,000		\$100,000	\$100,000					\$200,000
<b>Misc</b>										\$0
<b>Total</b>		\$235,000	\$0	\$135,000	\$100,000	\$0	\$0	\$0	\$0	\$235,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ 135,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 235,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Replaces aging infrastructure that is nearing the end of its useful life.

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

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Miamiville Elevated Tank Inspection, Evaluation and Maintenance	6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Inspection, evaluation and maintenance of the existing Miamiville 200,000 gallon elevated water storage tank. Work to include any necessary protective coating repair and replacement.			<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>	\$0	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	2018	2019	2020	2021	2022	2023-Beyond	Total	
Preliminary Engineering										\$0	
Date Complete:											
Detail Plans		\$10,000						\$10,000		\$10,000	
Date Complete:											
Land/Easements										\$0	
Construction Engineering and Inspection										\$0	
General Contractor		\$300,000							\$300,000	\$300,000	
Misc										\$0	
<b>Total</b>		<b>\$310,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,000</b>	<b>\$300,000</b>	<b>\$310,000</b>	
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	-	\$	-	\$	-	\$	10,000	\$	310,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**  
Protects the metal surface area thereby extending the useful life of the tank.

**Problems:**

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Milford Hills Dr. & Brooklyn Ave. Area WM Replacement	6401-60151	Project Manager: AK	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Replacement of approximately 7000 feet of existing 8" & 6" cast iron water main along Milford Hills Drive, Beechwood Lane, Ridgewood Lane, Brooklyn Ave., Brooklyn Ln. and SR 28 with 6400 feet 8" and 600 feet of 6" ductile iron water 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>	\$ 1,000 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>	No				
<b>Special Conditions:</b>					

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
<b>Preliminary Engineering</b>										\$0
Date Complete:										
<b>Detail Plans</b>		\$80,750	\$32,000	\$48,750						\$80,750
Date Complete:										
<b>Land/Easements</b>		\$20,000		\$20,000						\$20,000
<b>Construction Engineering and Inspection</b>										\$0
<b>General Contractor</b>		\$770,000		\$400,000	\$370,000					\$770,000
<b>Misc</b>		\$2,000		\$2,000						\$2,000
<b>Total</b>		<b>\$872,750</b>	<b>\$32,000</b>	<b>\$470,750</b>	<b>\$370,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$872,750</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 32,000	\$ 470,750	\$ 370,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 872,750
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Replaces undersized and aged water mains installed in 1959 that are nearing the end of their useful life.

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

**Notes:**  
Brooklyn Ave. and Brooklyn Ln. added to original project scope.

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b> Ninemile-Bradbury Transmission Main      6401-      Manager:	<b>Date of Update:</b> 2-Feb-18
<b>Description:</b> New 5600 feet of 12" water main along Bradbury and Ninemile Road, starting at 3686 Nine Mile Tobasco Road to Oakland Farms Drive.	<b>Justification:</b> Petition BOH      Capacity Master Plan <u>Need</u> XL      Consent Order Other
<b>Township:</b> Pierce	<b>Coordinates:</b>
<b>Annual Effect on Operations:</b> \$      700 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	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:		\$22,000			\$22,000					\$22,000
Land/Easements		\$50,000				\$50,000				\$50,000
Construction Engineering and Inspection										\$0
General Contractor		\$500,000					\$500,000			\$500,000
Misc										\$0
<b>Total</b>		<b>\$572,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$22,000</b>	<b>\$50,000</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$572,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ 22,000	\$ 50,000	\$ 500,000	\$ -	\$ -	\$ 572,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Provides bulk sales and emergency back-up supply to New Richmond. Increases potential capacity utilization. Hydraulic Loop, Reinforce Cherry Grove.

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

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Old SR 74 Water Main Extension	6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Construction of approximately 5,300 feet of 16" water main along the route of the planned Old SR 74 Extension (from Old SR 74 to Olive Branch-Stonelick Road, along the current Heitman Lane). Also includes approximately 2,200 feet of 16" water main along Old 74 from Heitman Lane to Elick Lane.			<b>Justification:</b>	Petition BOH Master Plan XL
<b>Township:</b>	Union			<b>Coordinates:</b>	Strengthen System
<b>Annual Effect on Operations:</b>	\$ 900 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	2018	2019	2020	2021	2022	2023-Beyond	Total
<b>Preliminary Engineering</b>										\$0
Date Complete:										
<b>Detail Plans</b>		\$65,000						\$65,000		\$65,000
Date Complete:										
<b>Land/Easements</b>										\$0
<b>Construction Engineering and Inspection</b>										\$0
<b>General Contractor</b>		\$937,500						\$937,500		\$937,500
<b>Misc</b>										\$0
<b>Total</b>		\$1,002,500	\$0	\$0	\$0	\$0	\$0	\$1,002,500	\$0	\$1,002,500
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,002,500	\$ -	\$ 1,002,500
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Replaces existing 6" and 8" water main installed in 1955 and 1954, respectively. Provides access to water for areas affected by the Old SR 74 Extension.  
 Improves the ability to direct treated water from the BMWTP to the Eastgate area.

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

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b> Old SR 74 WM Replacement - SR 32 to Summerside 6401- Project Manager: TC	<b>Date of Update:</b> 2-Feb-18
<b>Description:</b> Replacement of approximately 1,000 feet of cast iron water main installed in 1954 with 8" ductile iron water main along Old SR 74 from SR 32 to Summerside Road.	<b>Justification:</b> Petition BOH Master Plan XL <span style="float: right;">Capacity <u>Need</u> Consent Order <u>Other</u></span>
<b>Township:</b> Union	<b>Coordinates:</b>
<b>Annual Effect on Operations:</b> \$ 500 O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP
<b>Easements Procured:</b> n/a	
<b>Special Conditions:</b> Coordinate w/ TID project	<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:		\$26,000		\$26,000						\$26,000
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$266,000			\$266,000					\$266,000
Misc										\$0
<b>Total</b>		<b>\$292,000</b>	<b>\$0</b>	<b>\$26,000</b>	<b>\$266,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$292,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ 26,000	\$ -	\$ 266,000	\$ -	\$ -	\$ -	\$ -	\$ 292,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**

  
  

**Problems:**

  
  

**Notes:**  
As part of the TID SR 32 Improvements at Bell's Lane

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b> Old SR 74 WM Replacement - GEW to School House 6401- Project Manager: TC	<b>Date of Update:</b> 2-Feb-18
<b>Description:</b> Replacement of approximately 2,200 feet of 16", 8" & 6" water main as part of the Old SR 74 Widening Project.	<b>Justification:</b> Petition BOH Master Plan XL <span style="float: right;">Capacity <u>Need</u> Consent Order <u>Other</u></span>
<b>Township:</b>	<b>Coordinates:</b>
<b>Annual Effect on Operations:</b> None / Replacement O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP
<b>Easements Procured:</b> NA	
<b>Special Conditions:</b> Coordinate w/ TID Project	<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total	
Preliminary Engineering Date Complete:										\$0	
Detail Plans Date Complete:										\$0	
Land/Easements										\$0	
Construction Engineering and Inspection										\$0	
General Contractor		\$300,000			\$300,000					\$300,000	
Misc										\$0	
<b>Total</b>		\$300,000	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000	
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	-	\$	-	\$	300,000	\$	-	\$	300,000
	<b>Assessment</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Loan</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Grant</b>	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**

**Problems:**

**Notes:**

Coordinate with TID Old SR 74 Widening - Phase I Project, CLE-CR171-Old 74, PID 82557  
The exact limits and costs are still under development and subject to change.

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Old SR 74 WM Replacement (GE-Withamsville to Eastgate Blvd)	6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Replacement of approximately 4,000 feet of 8" water main (installed 1954) with 12" water main and appurtenances.			<b>Justification:</b>	Petition BOH Master Plan XL
<b>Township:</b>	Union			<b>Coordinates:</b>	Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	\$ 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>	Coordinate w/ TID Project				

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:		\$30,000						\$30,000		\$30,000
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$400,000						\$400,000		\$400,000
Misc										\$0
<b>Total</b>		<b>\$430,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$430,000</b>	<b>\$0</b>	<b>\$430,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 430,000	\$ -	\$ 430,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Replaces an aged (installed 1954) 8" water main with a new 12" water main and improves distribution capacity. Also coordinates roadway improvement with utility improvement

**Problems:**

**Notes:**



## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Plum Street Water Petition	6401-60132	Manager: JG	<b>Date of Update:</b> 2-Feb-18
<b>Description:</b>	Construction of approximately 854 feet of 6" water main to service residents along Plum Street.			<b>Justification:</b> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Petition</span> BOH Master Plan XL
<b>Township:</b>	Goshen			<b>Coordinates:</b>
<b>Annual Effect on Operations:</b>	\$ 165 O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP		<b>Construction:</b>
<b>Easements Procured:</b>	NA			<b>Bid Opening:</b> <b>Contract Award:</b> <b>Contract Execution:</b> <b>Notice to Proceed:</b>
<b>Special Conditions:</b>				

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
<b>Preliminary Engineering</b>										\$0
<b>Date Complete:</b>										
<b>Detail Plans</b>		\$2,000	\$2,000							\$2,000
<b>Date Complete:</b>										
<b>Land/Easements</b>										\$0
<b>Construction Engineering and Inspection</b>										\$0
<b>General Contractor</b>		\$65,820	\$44,200	\$21,620						\$65,820
<b>Misc</b>		\$7,790	\$1,100	\$6,690						\$7,790
<b>Total</b>		\$75,610	\$47,300	\$28,310	\$0	\$0	\$0	\$0	\$0	\$75,610
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 47,300	\$ 28,310	\$ (38,640)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,970
	<b>Assessment</b>	\$ -	\$ -	\$ 38,640	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 38,640
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Provides water to properties along Plum Street that currently do not have access to public water.

**Problems:**

**Notes:**  
CCWRD to pay for three of the seven total assessments (3x\$9,660=\$28,980).

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Price Road Water Main Replacement (Loveland Miamiville Rd to I-275)	6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Replacement of approximately 2810 feet of existing 6" cast iron water main installed in 1959 and 1963 along Price Road from Loveland Miamiville Road to I-275 with new 8" ductile iron water main.			<b>Justification:</b>	Petition BOH Master Plan XL
<b>Township:</b>	Miami			<b>Coordinates:</b>	Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	\$600	O&M/year	<b>Resolutions:</b>	<b>Construction:</b>	
<b>Easements Procured:</b>	no		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	2018	2019	2020	2021	2022	2023-Beyond	Total
<b>Preliminary Engineering</b>										\$0
<b>Date Complete:</b>										
<b>Detail Plans</b>		\$35,000					\$35,000			\$35,000
<b>Date Complete:</b>										
<b>Land/Easements</b>		\$15,000					\$15,000			\$15,000
<b>Construction Engineering and Inspection</b>										\$0
<b>General Contractor</b>		\$320,000						\$320,000		\$320,000
<b>Misc</b>										\$0
<b>Total</b>		\$370,000	\$0	\$0	\$0	\$0	\$50,000	\$320,000	\$0	\$370,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ 50,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**

  
  
  

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

  
  

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Price Road Water Main Replacement (Hobby Horse Ln. to Pine Ridge Rd.) 6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Replacement of approximately 2685 feet of existing 6" cast iron water main installed in 1964 along Price Road from Hobby Horse Lane to Pine Ridge Road. New water main shall be 8" ductile iron.		<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>	\$ 600 O&M/year	<b>Resolutions:</b>	<b>Construction:</b>	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Easements Procured:</b>	No	RAGP RADP RON RDTP		
<b>Special Conditions:</b>				

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total	
Preliminary Engineering										\$0	
Date Complete:											
Detail Plans		\$35,000				\$35,000				\$35,000	
Date Complete:											
Land/Easements		\$15,000				\$15,000				\$15,000	
Construction Engineering and Inspection										\$0	
General Contractor		\$300,000					\$300,000			\$300,000	
Misc										\$0	
<b>Total</b>		<b>\$350,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$300,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$350,000</b>	
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	-	\$	-	\$	50,000	\$	300,000	\$	350,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**

  
  
  

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

  
  

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	PUB Well Field Control Tower for Wells 17-20	6401-	Project Manager:		<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Recondition/Replacement of the existing aged control tower for PUB wells 17 - 20.				<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>	\$ 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>	N/A					
<b>Special Conditions:</b>						

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering										
Date Complete:		\$15,000		\$15,000						\$15,000
Detail Plans										
Date Complete:										
Land/Easements										
Construction Engineering and Inspection										
General Contractor		\$200,000			\$200,000					\$200,000
Misc										
<b>Total</b>		\$215,000	\$0	\$15,000	\$200,000	\$0	\$0	\$0	\$0	\$215,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ 15,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 215,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Replacement/reconditioning of aged control tower components.

**Problems:**

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	PUB Well Field Development	6401-60089	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Well Field Development, Exploration and Land Acquisition - Study of expansion potential at PUB as well as other sites.			<b>Justification:</b>	Petition BOH Master Plan XL
<b>Township:</b>	Pierce			<b>Coordinates:</b>	Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	na	O&M/year	<b>Resolutions:</b>	<b>Construction:</b>	<b>Bid Opening:</b>
<b>Easements Procured:</b>	No		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	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering <i>Date Complete:</i>	Thelen	\$12,155	\$12,155							\$12,155
Detail Plans <i>Date Complete:</i>	HC NUTTING - H&M 24075	\$22,725	\$22,725							\$22,725
Land/Easements		\$300,000							\$300,000	\$300,000
Construction Engineering and Inspection General Contractor										\$0
Misc										\$0
<b>Total</b>		\$334,880	\$34,880	\$0	\$0	\$0	\$0	\$0	\$300,000	\$334,880
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 34,880	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 334,880
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Improved utilization of wellfield.

**Problems:**  
Land acquisition  
Need to define clear development criteria with specific goals and objectives.  
In house operation

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	PUB Well Field Rehabilitation	6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Rehabilitation of the existing wells at the PUB Water Treatment Plant's well field. Work to include the redevelopment of each well and the replacement of the pumps, motors and various other components.			<b>Justification:</b>	Petition BOH Master Plan XL
<b>Township:</b>				Pierce	<b>Coordinates:</b>
<b>Annual Effect on Operations:</b>	n/a	<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>			

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
<b>Preliminary Engineering</b>										\$0
Date Complete:										
<b>Detail Plans</b>										\$0
Date Complete:										
<b>Land/Easements</b>										\$0
<b>Construction Engineering and Inspection</b>										\$0
<b>General Contractor</b>		\$600,000			\$150,000	\$150,000	\$150,000	\$150,000		\$600,000
<b>Misc</b>			\$0							\$0
<b>Total</b>		\$600,000	\$0	\$0	\$150,000	\$150,000	\$150,000	\$150,000	\$0	\$600,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ -	\$ 600,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Rehabilitates the existing wells thereby maintaining the water source for the PUB WTP. Replaces equipment that is reaching the end of its useful life.

**Problems:**

**Notes:**  
Rehabilitation on four wells per year for four years.

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b> Rancho Lane Water Petition      6401-60091      Project Manager: JG	<b>Date of Update:</b> 2-Feb-18
<b>Description:</b> Construction of approximately 727 linear feet of 6" ductile iron water main to service residents along Rancho Lane.	<b>Justification:</b> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Petition</span> Capacity BOH <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Need</span> Master Plan      Consent Order XL      Other
<b>Township:</b> Union	<b>Coordinates:</b>
<b>Annual Effect on Operations:</b> \$ 150 O&M/year	<b>Resolutions:</b> RAGP RADP RON RDTP
<b>Easements Procured:</b> NA	
<b>Special Conditions:</b>	<b>Construction:</b> Bid Opening: Contract Award: Contract Execution: Notice to Proceed:

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering <i>Date Complete:</i>										\$0
Detail Plans <i>Date Complete:</i>		\$1,585	\$1,585							\$1,585
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$75,000		\$75,000						\$75,000
Misc		\$4,000	\$1,000	\$3,000						\$4,000
<b>Total</b>		<b>\$80,585</b>	<b>\$2,585</b>	<b>\$78,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$80,585</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 2,585	\$ 78,000	\$ (66,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,585
	Assessment	\$ -	\$ -	\$ 66,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 66,000
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Provides water to properties along Rancho Lane that currently do not have access to public water.

**Problems:**

**Notes:**  
CCWRD contribution for existing water line replacement (\$13,038) and one basic assessment (\$9,640).

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	SR 125 Water Main Replacement	6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Replacement of approximately 1750' of 4" water main installed in 1954 with 12" ductile iron water main along SR 125 from Woodlands Dr to Chapel Road.			<b>Justification:</b>	Petition BOH <u>Master Plan</u> 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> 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	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$30,000			\$30,000					\$30,000
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$300,000			\$300,000					\$300,000
Misc										\$0
<b>Total</b>		<b>\$330,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$330,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$330,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ 330,000	\$ -	\$ -	\$ -	\$ -	\$ 330,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Replaces aged undersized cast iron water main.

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

**Notes:**



## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	SR 132 North of Judd Road	6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Reinforcement of Tate-Monroe subsystem from Judd Road north to southern corporation line of Village of Batavia via the installation of 3000' of 12" water main.			<b>Justification:</b>	Petition BOH Master Plan XL  Capacity Need Consent Order Other
<b>Township:</b>	Batavia			<b>Coordinates:</b>	
<b>Annual Effect on Operations:</b>	\$	400	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	2018	2019	2020	2021	2022	2023-Beyond	Total	
Preliminary Engineering Date Complete:										\$0	
Detail Plans Date Complete:		\$20,000				\$20,000				\$20,000	
Land/Easements		\$15,000				\$15,000				\$15,000	
Construction Engineering and Inspection										\$0	
General Contractor		\$375,000					\$375,000			\$375,000	
Misc										\$0	
<b>Total</b>		<b>\$410,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$35,000</b>	<b>\$375,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$410,000</b>	
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	-	\$	-	\$	35,000	\$	375,000	\$	410,000
	<b>Assessment</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Loan</b>	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Grant</b>	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**  
Creates a system Hydraulic Loop

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

**Notes:**



## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	SR 132 WM Replacement (SR 48 to SR 28)	6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Replacement of approx. 6,780' of 6" cast iron water main installed in 1959 from SR 48 to SR 28.			<b>Justification:</b>	Petition BOH Master Plan XL
<b>Township:</b>	Goshen			<b>Coordinates:</b>	Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	\$ 1,200 O&M/year	<b>Resolutions:</b>		<b>Construction:</b>	
<b>Easements Procured:</b>	No	RAGP RADP RON RDTP		Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
<b>Special Conditions:</b>					

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$60,000				\$60,000				\$60,000
Date Complete:										
Land/Easements		\$40,000				\$40,000				\$40,000
Construction Engineering and Inspection										\$0
General Contractor		\$750,000					\$750,000			\$750,000
Misc										\$0
<b>Total</b>		<b>\$850,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$750,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$850,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 750,000	\$ -	\$ -	\$ 850,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**

Replaces a section of cast iron water main installed in 1959 that is prone to breaking and is undersized by todays standards.

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

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	SR 28 WM Replacement (Buckwheat to Branch Hill Guinea)	6401-60153	Project Manager: AK	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Replacement of approximately 1900 feet of 10" water main installed in 1959 and 1,900 feet of 12" water main installed in 1972 with a new single 16" ductile iron water main.				<b>Justification:</b>
<b>Township:</b>	Miami				Petition BOH Master Plan XL Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	\$ 600 O&M/year			<b>Resolutions:</b>	<b>Construction:</b>
<b>Easements Procured:</b>	No			RAGP RADP RON RDTP	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Special Conditions:</b>					

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
<b>Preliminary Engineering</b>										\$0
<b>Date Complete:</b>										
<b>Detail Plans</b>		\$44,000	\$27,300	\$16,700						\$44,000
<b>Date Complete:</b>										
<b>Land/Easements</b>										\$0
<b>Construction Engineering and Inspection</b>										\$0
<b>General Contractor</b>		\$860,000			\$860,000					\$860,000
<b>Misc</b>		\$2,000			\$2,000					\$2,000
<b>Total</b>		\$906,000	\$27,300	\$16,700	\$862,000	\$0	\$0	\$0	\$0	\$906,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 27,300	\$ 16,700	\$ 862,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 906,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Replaces two existing water mains under existing pavement of SR 28 pavement with one that will be located primarily outside of the pavement.

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

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	SR 48 & Gibson Rd New 1 MG Tank	6401-	Project Manager:		<b>Date of Update:</b> 2-Feb-18
<b>Description:</b>	Construction of a 1 MG Elevated Tank near State Route 48 and Gibson Road, at an elevation of 990'.				<b>Justification:</b> Petition BOH Master Plan XL  <b>Coordinates:</b>
<b>Township:</b>	Goshen				<b>Construction:</b> <b>Bid Opening:</b> <b>Contract Award:</b> <b>Contract Execution:</b> <b>Notice to Proceed:</b>
<b>Annual Effect on Operations:</b>	unk	<b>Resolutions:</b> RAGP RADP RON RDTP			
<b>Easements Procured:</b>	No	(Purchase 1 property)			
<b>Special Conditions:</b>					

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$40,000							\$40,000	\$40,000
Date Complete:										
Land/Easements		\$50,000							\$50,000	\$50,000
Construction Engineering and Inspection		\$10,000							\$10,000	\$10,000
General Contractor		\$1,900,000							\$1,900,000	\$1,900,000
Misc		\$50,000							\$50,000	\$50,000
<b>Total</b>		<b>\$2,050,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,050,000</b>	<b>\$2,050,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,050,000	\$ 2,050,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Additional storage and redundancy in the 990 zone

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

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b> SR 48 & SR 28 Water Main Replacement      6401-60159      Project Manager: AK	<b>Date of Update:</b> 2-Feb-18
<b>Description:</b> Replacement of approximately 9,300' of 6" & 8" cast iron water main installed in 1959 along SR 48 from SR 28 to Fay Road and along SR 28 from Smith Road to SR 48, with 16" and 8" ductile iron water main.	<b>Justification:</b> Petition BOH Master Plan XL  Capacity Need Consent Order <u>Other</u>
<b>Township:</b> Goshen	<b>Coordinates:</b>
<b>Annual Effect on Operations:</b> \$                      1,200 O&M/year	<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>	
<b>Resolutions:</b> RAGP RADP RON RDTP	

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
<b>Preliminary Engineering</b>										\$0
<b>Date Complete:</b>										
<b>Detail Plans</b>		\$80,000		\$80,000						\$80,000
<b>Date Complete:</b>										
<b>Land/Easements</b>		\$50,000		\$25,000	\$25,000					\$50,000
<b>Construction Engineering and Inspection</b>										\$0
<b>General Contractor</b>		\$950,000			\$500,000	\$450,000				\$950,000
<b>Misc</b>		\$2,500			\$2,500					\$2,500
<b>Total</b>		\$1,082,500	\$0	\$105,000	\$527,500	\$450,000	\$0	\$0	\$0	\$1,082,500
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ 105,000	\$ 217,800	\$ 229,700	\$ -	\$ -	\$ -	\$ 552,500
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant OPWC</b>	\$ -	\$ -	\$ -	\$ 309,700	\$ 220,300	\$ -	\$ -	\$ -	\$ 530,000

**Positive Aspects of Project:**  
Replaces cast iron water mains installed in 1959 that are nearing the end of their useful lift.

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

**Notes:**  
If approved, grant funds become available July 2019.

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Summit Elevated Tank & BMW Intake Drive Struct. - Eval., Rehab. & Coatings Appl.	6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Evaluation, rehabilitation and protective coating application to the 1 MG Summit Elevated Water Storage Tank and the BMW lake intake structure's access drive's metal truss system. Work to include painting the tank's perimeter fence.			<b>Justification:</b>	Petition BOH Master Plan XL  Capacity Need Consent Order Other
<b>Township:</b>	Batavia			<b>Coordinates:</b>	
<b>Annual Effect on Operations:</b>	\$	-	O&M/year	<b>Resolutions:</b>	RAGP RADP RON RDTP
<b>Easements Procured:</b>	na			<b>Construction:</b>	<b>Bid Opening:</b> <b>Contract Award:</b> <b>Contract Execution:</b> <b>Notice to Proceed:</b>
<b>Special Conditions:</b>					

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total											
<b>Preliminary Engineering</b>										\$0											
<b>Date Complete:</b>																					
<b>Detail Plans</b>		\$10,000			\$10,000					\$10,000											
<b>Date Complete:</b>																					
<b>Land/Easements</b>										\$0											
<b>Construction Engineering and Inspection</b>		\$35,000				\$35,000				\$35,000											
<b>General Contractor</b>		\$970,000				\$970,000				\$970,000											
<b>Misc</b>										\$0											
<b>Total</b>		\$1,015,000	\$0	\$0	\$10,000	\$1,005,000	\$0	\$0	\$0	\$1,015,000											
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$	-	\$	-	\$	10,000	\$	1,005,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	1,015,000
	<b>Assessment</b>	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Loan</b>	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	<b>Grant</b>	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

**Positive Aspects of Project:**  
Protects the metal surface area thereby extending the useful life of the tank and metal truss system.

**Problems:**

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Surface Water Treatment Master Plan	6401-60150	Project Manager: AK	<b>Date of Update:</b> 2-Feb-18
<b>Description:</b>	Evaluation and recommendation of treatment strategies to meet current and anticipated future water quality requirements associated with treating water from Harsha Lake.			<b>Justification:</b> Petition BOH Master Plan XL Capacity Need Consent Order Other
<b>Township:</b>	Batavia, Williamsburg, Tate			<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>	NA			
<b>Special Conditions:</b>				

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering		\$50,000	\$6,600	\$43,400						\$50,000
Date Complete:										
Detail Plans										\$0
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor										\$0
Misc										\$0
<b>Total</b>		<b>\$50,000</b>	<b>\$6,600</b>	<b>\$43,400</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 6,600	\$ 43,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**

  
  
  

**Problems:**

  
  
  

**Notes:**





## 2018 Water Capital Improvement - Project Summary

<b>Project :</b> Tealtown / Sugar Camp Transmission Main    6401-60021    Project Manager: JG	<b>Date of Update:</b> 2-Feb-18
<b>Description:</b> Approximately 4,000 feet of 16" transmission main to connect the 16" main on Tealtown Road to the 16" main on Sugar Camp Road.	<b>Justification:</b> Petition BOH Master Plan XL      Capacity <u>Need</u> Consent Order Other
<b>Township:</b> Union / Miami	<b>Coordinates:</b>
<b>Annual Effect on Operations:</b> \$ 700 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	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering <small>Date Complete:</small>										\$0
Detail Plans <small>Date Complete:</small>	Brandstetter Carroll, Inc.	\$46,360	\$46,360							\$46,360
Land/Easements		\$88,730	\$88,730							\$88,730
Construction Engineering and Inspection										\$0
General Contractor		\$600,000							\$600,000	\$600,000
Misc		\$18,100	\$18,100							\$18,100
<b>Total</b>		\$753,190	\$153,190	\$0	\$0	\$0	\$0	\$0	\$600,000	\$753,190
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 153,190	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 753,190
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Strengthen system by eliminating a hydraulic bottleneck

**Problems:**

**Notes:**

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

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Utility Relocations	6401-60001	Project Manager:	TC	<b>Date of Update:</b>	2-Feb-18	
<b>Description:</b>	Utility Relocations, due to various road improvement projects.  Countywide				<b>Justification:</b>	Petition BOH Master Plan XL	Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>					Unknown	O&M/year	<b>Resolutions:</b>
<b>Easements Procured:</b>	N/A						
<b>Special Conditions:</b>							

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:										\$0
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$900,000		\$100,000	\$100,000	\$100,000	\$200,000	\$200,000	\$200,000	\$900,000
Misc										\$0
<b>Total</b>		\$900,000	\$0	\$100,000	\$100,000	\$100,000	\$200,000	\$200,000	\$200,000	\$900,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 900,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Moves water mains and hydrants away from proposed pavement.  
 Long term reduction of operational and maintenance costs. Improved safety

**Problems:**

**Notes:**  
 US 50 Drainage Improvements - Bid \$47,500, in 2018.

## 2018 Water Capital Improvement - Project Summary

<p><b>Project :</b> Water Distribution Model Maintenance      6401-      Project Manager: CR</p> <p><b>Description:</b> Annual contract to provide maintenance on the CCWRD KY Pipe water model.</p> <p><b>Township:</b> County Wide</p> <p><b>Annual Effect on Operations:</b> \$      - O&amp;M/year</p> <p><b>Easements Procured:</b> NA</p> <p><b>Special Conditions:</b></p>	<p><b>Date of Update:</b> 2-Feb-18</p> <p><b>Justification:</b>      Petition      Capacity</p> <p style="text-align: center;">BOH      <u>Need</u></p> <p style="text-align: center;">Master Plan      Consent Order</p> <p style="text-align: center;">XL      Other</p> <p><b>Coordinates:</b></p> <p><b>Construction:</b>      <b>Bid Opening:</b></p> <p><b>Contract Award:</b></p> <p><b>Contract Execution:</b></p> <p><b>Notice to Proceed:</b></p>
<p><b>Resolutions:</b>      RAGP</p> <p style="margin-left: 20px;">RADP</p> <p style="margin-left: 20px;">RON</p> <p style="margin-left: 20px;">RDTP</p>	

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering		\$0	\$0							\$0
Date Complete:										
Detail Plans		\$100,000	\$26,500	\$48,500	\$25,000					\$100,000
Date Complete:										
Land/Easements		\$0	\$0							\$0
Construction Engineering and Inspection		\$0	\$0							\$0
General Contractor		\$0	\$0							\$0
Misc		\$0	\$0							\$0
<b>Total</b>		<b>\$100,000</b>	<b>\$26,500</b>	<b>\$48,500</b>	<b>\$25,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 26,500	\$ 48,500	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 73,500
	<b>Assessment</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
Provides for updating of the water model for the water system.

**Problems:**

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Water Main Replacement Program	6401-	Project Manager:	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Replacement of existing water mains and appurtanances that have reached the end of their useful life.			<b>Justification:</b>	Petition BOH Master Plan XL
<b>Township:</b>	County Wide			<b>Coordinates:</b>	Capacity Need Consent Order Other
<b>Annual Effect on Operations:</b>	na	O&M/year	<b>Resolutions:</b>	<b>Construction:</b>	<b>Bid Opening:</b>
<b>Easements Procured:</b>	No		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	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering										
Date Complete:										
Detail Plans		\$250,000							\$250,000	\$250,000
Date Complete:										
Land/Easements		\$50,000							\$50,000	\$50,000
Construction Engineering and Inspection										
General Contractor		\$2,995,000				\$305,000	\$390,000	\$500,000	\$1,800,000	\$2,995,000
Misc										
<b>Total</b>		<b>\$3,295,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$305,000</b>	<b>\$390,000</b>	<b>\$500,000</b>	<b>\$2,100,000</b>	<b>\$3,295,000</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ -	\$ -	\$ 305,000	\$ 390,000	\$ 500,000	\$ 2,100,000	\$ 3,295,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Improves the quality and reliability of the water distribution system.  
 Improves flow and fire protection for existing homes and future development.

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

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Watershed/Wellhead Protection	6401-60082	Project Manager:	<b>Date of Update:</b>	2-Feb-18	
<b>Description:</b>	Watershed/Wellhead Protection  County Wide			<b>Justification:</b>	Petition BOH Master Plan XL Capacity Need Consent Order <u>Other</u>	
<b>Annual Effect on Operations:</b>				unk	O&M/year	<b>Resolutions:</b>
<b>Easements Procured:</b>	na			<b>Special Conditions:</b>		

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering	LBG	\$54,400	\$54,400							\$54,400
<b>Date Complete:</b>										\$0
Detail Plans										\$0
<b>Date Complete:</b>										\$0
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor										\$0
Misc		\$260,000		\$10,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$260,000
<b>Total</b>		<b>\$314,400</b>	<b>\$54,400</b>	<b>\$10,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$314,400</b>
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ 54,400	\$ 10,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 314,400
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Protects wellhead from contamination  
 Evaluate area of influence and susceptibility of the MGS wellfield. Finalize and implement the protection plan for MGS and PUB wellfields.

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

**Notes:**

## 2018 Water Capital Improvement - Project Summary

<b>Project :</b>	Water System SCADA Upgrade	6401-60154	Project Manager: AK	<b>Date of Update:</b>	2-Feb-18
<b>Description:</b>	Upgrade to the existing hardware and software of the water SCADA system			<b>Justification:</b>	Petition BOH Master Plan XL <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Capacity Need</span> Consent Order Other
<b>Township:</b>	County Wide			<b>Coordinates:</b>	
<b>Annual Effect on Operations:</b>	unknown	O&M/year	<b>Resolutions:</b>	<b>Construction:</b>	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
<b>Easements Procured:</b>	na		RAGP RADP RON RDTP		
<b>Special Conditions:</b>					

### Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2018	2019	2020	2021	2022	2023-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans										\$0
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection		\$670,000		\$670,000						\$670,000
General Contractor										\$0
Misc										\$0
<b>Total</b>		\$670,000	\$0	\$670,000	\$0	\$0	\$0	\$0	\$0	\$670,000
<b>Funding Source:</b>	<b>Capital Improvement Fund</b>	\$ -	\$ -	\$ 670,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 670,000
	<b>Assessment</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Loan</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Grant</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Positive Aspects of Project:**  
 Upgrade to the existing SCADA system that is reaching the end of it's useful life.  
 In house design.

**Problems:**

**Notes:**