

2017 Water Capital Improvement Project Summary

Sources of Funds

Trust Funds (Balance 12/31/16)

Water Source Protection Fund	\$	60,926	[1]
Water Capital Improvement Fund	\$	5,621,985	
2013 Revenue Bond Replacement & Improvement Fund	\$	2,139,430	
2013 Reserve available in 2018	\$	1,669,040	
Total On Hand	\$	9,491,381	

Additional Funds

From Operations for Capital Contribution includes Interest Income (Hist average)	\$	10,350,000
From Operations - System Capacity Charges: (Avg \$0.93M/Yr)	\$	4,650,000
Grants OPWC	\$	1,577,196
Assessment	\$	164,640
Sewer contribution to Meter Replacement	\$	2,022,200
Total Source of Funds	\$	28,255,417

Replacement & Improvement Requirement not required when bonds paid off	\$	(5,000,000)
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Available Funding for 2017- 2021 Construction Projects:	\$	23,255,417
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[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, Reserve Funds)

2017 Waterworks Capital Improvement Project Summary											
Project #	Description	Planned	Prior Yr. CTD	2017	2018	2019	2020	2021	2022 - Beyond	Total	*Adj. 5 Year Total
6401-	Afton & Goshen Elevated Water Storage Tanks - Eval., Rehab., & Coatings Appl.	670,000	-	-	-	-	10,000	660,000	-	670,000	670,000
6401-	Aicholtz Road Connector - Water Main Replacement	648,380	18,380	630,000	-	-	-	-	-	648,380	630,000
6401-	Aicholtz Road WM Replacement (Eastgate Blvd to Glen Este-Withamsville Rd)	400,000	-	-	-	-	400,000	-	-	400,000	400,000
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	36,500	466,220	-	-	-	-	-	502,720	466,220
6401-	Branch Hill Guinea Rd WM Replacement (BH-Loveland to BH-Miamiville)	172,020	-	172,020	-	-	-	-	-	172,020	172,020
6401-	Branch Hill Guinea Road WM Replacement (Weber to Jer-Les)	320,000	-	-	320,000	-	-	-	-	320,000	320,000
6401-	Buckwheat Transmission Main	16,500,000	-	-	-	-	-	-	16,500,000	16,500,000	-
6401-60037	Cherry Grove 1 MG Tank (1020)	2,640,450	88,450	-	-	-	-	-	2,552,000	2,640,450	-
6401-	Clermont County Airport WM Replacement	30,000	-	-	30,000	-	-	-	-	30,000	30,000
6401-	Computerized Maintenance Management System (CMMS)	150,000	-	-	150,000	-	-	-	-	150,000	150,000
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	75,000
6401-	Glendale, Glen Willow, Splitrail & Saddleback WM Replacement	607,750	-	-	91,000	516,750	-	-	-	607,750	607,750
621-0021	Goshen Road Water Main Loop	765,000	-	-	-	-	-	765,000	-	765,000	765,000
6401-	McPicken Road WM Replacement	280,000	-	-	30,000	250,000	-	-	-	280,000	280,000
6401-60130	Meter Upgrades-System Wide	8,612,620	4,271,700	4,190,920	150,000	-	-	-	-	8,612,620	4,340,920
6401-	Milford Hills, Beechwood & Ridgewood WM Repl.	450,000	-	55,000	395,000	-	-	-	-	450,000	450,000
6401-	Ninemile-Bradbury Transmission Main	572,000	-	-	-	22,000	50,000	500,000	-	572,000	572,000
6401-	Old SR 74 Water Main Extension	815,000	-	-	-	-	-	815,000	-	815,000	815,000
6401-	Old SR 74 WM Replacement (GE-Withamsville to Eastgate Blvd)	430,000	-	-	-	30,000	400,000	-	-	430,000	430,000
6401-	Old SR 74 Widening - Olive Branch/Stonelick to Armstrong Blvd Improvements	510,000	-	510,000	-	-	-	-	-	510,000	510,000
6401-60132	Plum Street Water Petition	69,820	3,100	66,720	-	-	-	-	-	69,820	66,720
6401-	PUB Well Field Control Tower for Wells 17-20	215,000	-	-	-	215,000	-	-	-	215,000	215,000
6401-60089	PUB Well Field Development	334,880	34,880	-	-	-	-	-	300,000	334,880	-
6401-	Rancho Lane Water Petition	75,385	1,585	73,800	-	-	-	-	-	75,385	73,800
6401-	SR 125 Water Main Replacement	330,000	-	-	-	330,000	-	-	-	330,000	330,000
6401-	SR 132 North of Judd Road	260,000	-	-	-	-	35,000	225,000	-	260,000	260,000
6401-60124	SR 132/SR 48/SR 28 Water Main Replacement	1,770,632	1,421,502	349,130	-	-	-	-	-	1,770,632	349,130
6401-	SR 132 Water Service Connections	85,000	-	-	85,000	-	-	-	-	85,000	85,000
6401-	SR 132 WM Replacement (SR 48 to SR 28)	850,000	-	-	-	100,000	750,000	-	-	850,000	850,000
6401-	SR 28 WM Replacement (Buckwheat to Branch Hill Guinea)	375,000	-	25,000	350,000	-	-	-	-	375,000	375,000
6401-	SR 48 & SR 28 Water Main Replacement	1,080,000	-	-	130,000	950,000	-	-	-	1,080,000	1,080,000
6401-	SR 48 & Gibson Rd New 1 MG Tank	2,050,000	-	-	-	-	-	-	2,050,000	2,050,000	-
6401-	Summit Elevated Tank & BMW Intake Drive Struct. - Eval., Rehab. & Coatings Appl.	1,015,000	-	-	-	-	1,015,000	-	-	1,015,000	1,015,000
6401-	Surface Water Treatment Master Plan	50,000	-	50,000	-	-	-	-	-	50,000	50,000
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	850,000	-	50,000	100,000	100,000	200,000	200,000	200,000	850,000	650,000
6401-60131	Wards Corner Road (East) Water Main Replacement	608,500	48,600	559,900	-	-	-	-	-	608,500	559,900
6401-	Water Distribution Model Maintenance	100,000	-	50,000	25,000	25,000	-	-	-	100,000	100,000
6401-	Water Main Replacement Program	5,350,000	-	-	-	-	1,050,000	1,800,000	2,500,000	5,350,000	2,850,000
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-	Water System SCADA Upgrade	550,000	-	275,000	275,000	-	-	-	-	550,000	550,000
6401-	Wolfpen Pleasant Hill Road Water Main Replacement	150,000	-	150,000	-	-	-	-	-	150,000	150,000
	TOTAL	54,059,547	6,132,287	7,713,910	2,318,000	2,865,750	5,020,500	5,257,100	24,752,000	54,059,547	23,175,260

2017 Water Capital Improvement Project Summary

Description	Funding Source	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total	*Adj. 5 Yr Total
Afton & Goshen Elevated Water Storage Tanks - 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	-	-	-	-	-	-	-	-	-	-
Aicholtz Road Connector - Water Main Replacement	-	648,380	18,380	630,000	-	-	-	-	-	648,380	630,000
	Capital Improvement Fund	-	18,380	630,000	-	(113,396)	-	-	-	534,984	516,604
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
Aicholtz Road WM Replacement (Eastgate Blvd to Glen Este-Withamsville Rd)	-	400,000	-	-	-	-	400,000	-	-	400,000	400,000
	Capital Improvement Fund	-	-	-	-	-	400,000	-	-	400,000	400,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
BMW Roof Replacement Phase II	-	330,000	-	-	-	-	330,000	-	-	330,000	330,000
	Capital Improvement Fund	-	-	-	-	-	330,000	-	-	330,000	330,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
Booster Pump Stations 1 & 3 - Improvements	-	502,720	36,500	466,220	-	-	-	-	-	502,720	466,220
	Capital Improvement Fund	-	36,500	466,220	-	-	-	-	-	502,720	466,220
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
Branch Hill Guinea Rd WM Replacement (BH-Loveland to BH-Miamiville)	-	172,020	-	172,020	-	-	-	-	-	172,020	172,020
	Capital Improvement Fund	-	-	172,020	-	-	-	-	-	172,020	172,020
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
Branch Hill Guinea Road WM Replacement (Weber to Jer-Les)	-	320,000	-	-	320,000	-	-	-	-	320,000	320,000
	Capital Improvement Fund	-	-	-	320,000	-	-	-	-	320,000	320,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
Buckwheat Transmission Main	-	16,500,000	-	-	-	-	-	-	16,500,000	16,500,000	-
	Capital Improvement Fund	-	-	-	-	-	-	-	16,500,000	16,500,000	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
Cherry Grove 1 MG Tank (1020)	-	2,640,450	88,450	-	-	-	-	-	2,552,000	2,640,450	-
	Capital Improvement Fund	-	88,450	-	-	-	-	-	2,552,000	2,640,450	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
Clermont County Airport WM Replacement	-	30,000	-	-	30,000	-	-	-	-	30,000	30,000
	Capital Improvement Fund	-	-	-	30,000	-	-	-	-	30,000	30,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
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	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
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	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
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	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
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	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
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	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
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	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
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	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
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	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
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	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
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	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
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	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
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	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
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	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
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	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
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	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
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	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	-	-</								

2017 Water Capital Improvement Project Summary

Description	Funding Source	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total	*Adj. 5 Yr Total
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 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	75,000
	Capital Improvement Fund	-	-	25,000	-	25,000	-	25,000	-	75,000	75,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Glendale, Glen Willow, Splitrail & Saddleback WM Replacement	-	607,750	-	-	91,000	516,750	-	-	-	607,750	607,750
	Capital Improvement Fund	-	-	-	91,000	516,750	-	-	-	607,750	607,750
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
McPicken Road WM Replacement	-	280,000	-	-	30,000	250,000	-	-	-	280,000	280,000
	Capital Improvement Fund	-	-	-	30,000	250,000	-	-	-	280,000	280,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Meter Upgrades-System Wide	-	8,612,620	4,271,700	4,190,920	150,000	-	-	-	-	8,612,620	4,340,920
	Capital Improvement Fund	-	4,271,700	4,190,920	150,000	-	-	-	-	8,612,620	4,340,920
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-
Milford Hills, Beechwood & Ridgewood WM Repl.	-	450,000	-	55,000	395,000	-	-	-	-	450,000	450,000
	Capital Improvement Fund	-	-	55,000	395,000	-	-	-	-	450,000	450,000
	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	-	815,000	-	-	-	-	-	815,000	-	815,000	815,000
	Capital Improvement Fund	-	-	-	-	-	-	815,000	-	815,000	815,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan Grant	-	-	-	-	-	-	-	-	-	-

2017 Water Capital Improvement Project Summary

Description	Funding Source	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total	*Adj. 5 Yr Total
SR 28 WM Replacement (Buckwheat to Branch Hill Guinea)		375,000	-	25,000	350,000	-	-	-	-	375,000	375,000
	Capital Improvement Fund	-	-	25,000	350,000	-	-	-	-	375,000	375,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
SR 48 & SR 28 Water Main Replacement		1,080,000	-	-	130,000	950,000	-	-	-	1,080,000	1,080,000
	Capital Improvement Fund	-	-	-	130,000	450,000	-	-	-	580,000	580,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	500,000	-	-	-	500,000	500,000
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	-	-	-	-	1,015,000	-	-	1,015,000	1,015,000
	Capital Improvement Fund	-	-	-	-	-	1,015,000	-	-	1,015,000	1,015,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
Surface Water Treatment Master Plan		50,000	-	50,000	-	-	-	-	-	50,000	50,000
	Capital Improvement Fund	-	-	50,000	-	-	-	-	-	50,000	50,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
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		850,000	-	50,000	100,000	100,000	200,000	200,000	200,000	850,000	650,000
	Capital Improvement Fund	-	-	50,000	100,000	100,000	200,000	200,000	200,000	850,000	650,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
Wards Corner Road (East) Water Main Replacement		608,500	48,600	559,900	-	-	-	-	-	608,500	559,900
	Capital Improvement Fund	-	48,600	559,900	-	-	-	-	-	608,500	559,900
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
Water Distribution Model Maintenance		100,000	-	50,000	25,000	25,000	-	-	-	100,000	100,000
	Capital Improvement Fund	-	-	50,000	25,000	25,000	-	-	-	100,000	100,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-
Water Main Replacement Program		5,350,000	-	-	-	-	1,050,000	1,800,000	2,500,000	5,350,000	2,850,000
	Capital Improvement Fund	-	-	-	-	-	1,050,000	1,800,000	2,500,000	5,350,000	2,850,000
	Assessment	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-

2017 Water Capital Improvement Project Summary

Description	Funding Source	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total	*Adj. 5 Yr Total
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	-	-	-	-	-	-	-	-	-	-
Water System SCADA Upgrade	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	550,000	-	275,000	275,000	-	-	-	-	550,000	550,000
	Assessment	-	-	275,000	275,000	-	-	-	-	550,000	550,000
	Loan	-	-	-	-	-	-	-	-	-	-
Wolfpen Pleasant Hill Road Water Main Replacement	Grant	-	-	-	-	-	-	-	-	-	-
	Capital Improvement Fund	150,000	-	150,000	-	-	-	-	-	150,000	150,000
	Assessment	-	-	150,000	-	-	-	-	-	150,000	150,000
	Loan	-	-	-	-	-	-	-	-	-	-
TOTAL	Grant	-	-	-	-	-	-	-	-	-	-
	Expenditures	54,059,547	6,132,287	7,713,910	2,318,000	2,865,750	5,020,500	5,257,100	24,752,000	54,059,547	23,175,260
	Capital Improvement Fund	-	6,026,787	7,050,110	2,213,360	2,192,354	4,720,500	5,257,100	24,752,000	52,212,211	21,433,424
	Assessment	-	-	-	104,640	60,000	-	-	-	164,640	164,640
*Adjusted 5 year plan = 2017-2021 Expenditure Plan	Loan	-	-	-	-	-	-	-	-	-	-
	Grant	882,696	105,500	663,800	-	613,396	300,000	-	-	1,682,696	1,577,196

2017 Water Capital Improvement Project Summary

Project :	Afton & Goshen Elevated Water Storage Tanks - Eval., Rehab., & Coatings Appl.	6401-	Project Manager:	Date of Update:	30-Jan-17
Description:	Evaluation, rehabilitation and protective coatings application to the 200,000 gallon Afton and Goshen elevated water storage tanks.			Justification:	Petition BOH Master Plan XL Capacity Need Consent Order Other
Township:	Williamsburg and Goshen			Coordinates:	-
Annual Effect on Operations:	\$ - O&M/year	Resolutions: RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	na				
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-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
Total		\$ 670,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ 660,000	\$ -	\$ 670,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ 660,000	\$ -	\$ 670,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

Problems:

Notes:

2017 Water Capital Improvement Project Summary

Project : Aicholtz Road Connector - Water Main Replacement 6401- Project Manager: TC		Date of Update: 30-Jan-17
Description: Construction of approximately 5,080' of new 12" & 16" water main to relocate the existing cast iron water main and services to accommodate the Aicholtz Connector TID Roadway Improvement Project.		Justification: Petition BOH Master Plan XL Capacity Need Consent Order Other
Township: Union		Coordinates:
Annual Effect on Operations: \$1,200 O&M/year	Resolutions: RAGP RADP RON RDTP	Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured: No		
Special Conditions: Coordinate w/ TID Project		

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:		\$18,380	\$18,380							\$18,380
Land/Easements										\$0
Construction Engineering and Inspection General Contractor		\$630,000		\$630,000						\$630,000
Misc										\$0
Total		\$ 648,380	\$ 18,380	\$ 630,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$648,380
Funding Source:	Capital Improvement Fund	\$ 18,380	\$ 630,000	\$ -	\$ (113,396)	\$ -	\$ -	\$ -	\$ -	\$ 534,984
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant - TID	\$ 113,396	\$ -	\$ -	\$ 113,396	\$ -	\$ -	\$ -	\$ -	\$ 113,396

Positive Aspects of Project:
Cost along Rust Lane, estimated at \$141,745, to be funded 80% (\$113,396) by TID Federal Grant and 20% (\$28,349) Water CIP.

Problems:

Notes:

2017 Water Capital Improvement Project Summary

Project :	Aicholtz Road WM Replacement (Eastgate Blvd to Glen Este-Withamsville Rd)	6401-	Project Manager:	Date of Update:	30-Jan-17
Description:	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.			Justification:	Petition BOH Master Plan XL
Township:				Coordinates:	Capacity Need Consent Order Other
Annual Effect on Operations:	\$1,000 O&M/year	Resolutions: RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	No				
Special Conditions:	Coordinate w/ TID Project				

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										\$0
Detail Plans										\$0
Date Complete:										\$0
Land/Easements										\$0
Construction Engineering and Inspection		\$400,000					\$400,000			\$400,000
General Contractor										\$0
Misc										\$0
Total		\$400,000	\$0	\$0	\$0	\$0	\$400,000	\$0	\$0	\$400,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ 400,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems: Easements, Manpower, Materials, Weather, etc

Notes:

2017 Water Capital Improvement Project Summary

Project :	BMW Floc/Sed Basins 1 & 2 Rehabilitation and Painting 6401-	Project Manager:		Date of Update:	30-Jan-17
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
Township:				Batavia	Coordinates:
Annual Effect on Operations:	\$0 O&M/year	Resolutions:	RAGP RADP RON RDTP		
Easements Procured:	N/A				
Special Conditions:			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$7,000				\$7,000				\$7,000
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection		\$20,000				\$20,000				\$20,000
General Contractor		\$200,000				\$200,000				\$200,000
Misc										\$0
Total		\$ 227,000	\$ -	\$ -	\$ -	\$ 227,000	\$ -	\$ -	\$ -	\$ 227,000
Funding Source:	Capital Improvement Fund					\$ 227,000				\$ 227,000
	Assessment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Protects the metal surface thereby extending the useful life of the equipment.

Problems:

Notes:

2017 Water Capital Improvement Project Summary

Project : Booster Pump Stations 1 & 3 - Improvements 6401-60126 Project Manager: JG

Date of Update: 30-Jan-17

Description: Replacement of pumps, motors, and controls at the Booster 1 & 3 Pump Stations.

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

Township: Miami

Coordinates:

Annual Effect on Operations: \$3,000 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	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering <i>Date Complete:</i>										\$0
Detail Plans <i>Date Complete:</i>		\$36,000	\$36,000							\$36,000
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$464,970		\$464,970						\$464,970
Misc - Permitting		\$1,750	\$500	\$1,250						\$1,750
Total		\$502,720	\$36,500	\$466,220	\$0	\$0	\$0	\$0	\$0	\$502,720
Funding Source:	Capital Improvement Fund	\$ 36,500	\$ 466,220	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 502,720
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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:

2017 Water Capital Improvement Project Summary

Project :	Branch Hill Guinea Road WM Replacement (Weber to Jer-Les)	6401-	Project Manager:	Date of Update:	30-Jan-17
Description:	Replacement of approximately 4,050 feet of 12" & 10" cast iron water main with approximately 2,550 feet of 16", 12", & 10" water main in coordination with a roadway improvement project along Branch Hill Guinea Road from Weber Road to Jer-Les Drive.			Justification:	Petition BOH Master Plan XL
Township:	Miami			Coordinates:	Capacity Need Consent Order Other
Annual Effect on Operations:	\$500	O&M/year	Resolutions:	Construction:	Bid Opening:
Easements Procured:	N/A		RAGP RADP RON RDTP		Contract Award:
Special Conditions:	Coordinate w/ TID Project				Contract Execution:
					Notice to Proceed:

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total	
Preliminary Engineering										\$0	
Date Complete:											
Detail Plans										\$0	
Date Complete:											
Land/Easements										\$0	
Construction Engineering and Inspection		\$320,000			\$320,000					\$320,000	
General Contractor										\$0	
Misc										\$0	
Total		\$320,000	\$0	\$0	\$320,000	\$0	\$0	\$0	\$0	\$320,000	
Funding Source:	Capital Improvement Fund	\$	-	\$	-	\$	320,000	\$	-	\$	320,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:
Possible joint OPWC project.

Problems:

Notes:

2017 Water Capital Improvement Project Summary

Project :	Branch Hill Guinea Rd WM Replacement (BH-Loveland to BH-Miamiville) 6401-	Project Manager:	Date of Update: 30-Jan-17
Description:	Replacement of approximately 259 linear feet of 8" cast iron water with 8" ductile iron water main and reconnection of services as part of the Transportation Improvement District's Branch Hill Drainage Improvements Project.		Justification: Petition BOH Master Plan XL <div style="float: right; border: 1px solid black; border-radius: 50%; padding: 2px;">Capacity Need Consent Order Other</div>
Township:	Miami		Coordinates:
Annual Effect on Operations:	\$100 O&M/year	Resolutions: RAGP RADP RON RDTP	Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	N/A		
Special Conditions:	Coordination w/ TID		

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:										\$0
Land/Easements										\$0
Construction Engineering and Inspection		\$172,020		\$172,020						\$172,020
General Contractor										\$0
Misc										\$0
Total		\$172,020	\$0	\$172,020	\$0	\$0	\$0	\$0	\$0	\$172,020
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 172,020	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 172,020
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	OPWC Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Replacement of aging water main as part of TID roadway improvement project.
PID 90340

Problems:

Notes:

2017 Water Capital Improvement Project Summary

Project :	Buckwheat Transmission Main	6401-	Project Manager:		Date of Update: 30-Jan-17
Description:	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.				Justification: Petition BOH Master Plan XL Capacity Need Consent Order Other
Township:	Batavia, Stonelick, Miami				Coordinates:
Annual Effect on Operations:	\$5,000	O&M/year	Resolutions: RAGP RADP RON RDTP		Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	No				
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering									\$0	\$0
Date Complete:										
Detail Plans		\$1,000,000							\$1,000,000	\$1,000,000
Date Complete:										
Land/Easements		\$200,000							\$200,000	\$200,000
Construction Engineering and Inspection										\$0
General Contractor		\$13,500,000							\$13,500,000	\$13,500,000
Misc		\$1,800,000							\$1,800,000	\$1,800,000
Total		\$16,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$16,500,000	\$16,500,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,500,000	\$ 16,500,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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:

2017 Water Capital Improvement Project Summary

Project : Cherry Grove 1 MG Tank (1020) 6401-60037 Project Manager: JG

Date of Update: 30-Jan-17

Description: Construction of a 1 MG elevated storage tank at elevation 1020 at the Home Depot site along SR 125/Independence Drive.

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

Township: Union Township

Coordinates:

Annual Effect on Operations: unknown O&M/year

Resolutions: RAGP
 RADP
 RON
 RDTP

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

Easements Procured: Yes

Special Conditions:

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:			\$0							\$0
Detail Plans Date Complete:	GS&P	\$73,430	\$73,430						\$0	\$73,430
Land/Easements		\$15,020	\$15,020						\$0	\$15,020
Construction Engineering and Inspection	Inspection	\$10,000							\$10,000	\$10,000
General Contractor		\$2,457,000							\$2,457,000	\$2,457,000
Misc		\$85,000							\$85,000	\$85,000
Total		\$2,640,450	\$88,450	\$0	\$0	\$0	\$0	\$0	\$2,552,000	\$2,640,450
Funding Source:	Capital Improvement Fund	\$ 88,450	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,552,000	\$ 2,640,450
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

Problems:

Notes:

2017 Water Capital Improvement Project Summary

Project : Clermont County Airport WM Replacement 6401- Project Manager:	Date of Update: 30-Jan-17
Description: Replacement of approximately 125 feet of 12" cast iron waterline installed in 1972. New waterline shall include steel carrier pipe. Replacement due to proposed airport runway extension.	Justification: Petition Capacity BOH Need Master Plan Consent Order XL <u>Other</u>
Township: Batavia	Coordinates:
Annual Effect on Operations: \$100 O&M/year Resolutions: RAGP RADP RON RDTP	Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured: N/A	
Special Conditions: Coordinate w/ TID Project	

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:										\$0
Land/Easements										\$0
Construction Engineering and Inspection		\$30,000			\$30,000					\$30,000
General Contractor										\$0
Misc										\$0
Total		\$30,000	\$0	\$0	\$30,000	\$0	\$0	\$0	\$0	\$30,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Replaces aged waterline under sensitive county airport infrastructure.

Problems:
Coordination with airport activities.

Notes:

2017 Water Capital Improvement Project Summary

Project :	Computerized Maintenance Management System (CMMS)	6401-	Project Manager:	Date of Update:	30-Jan-17
Description:	Purchase of single CMMS software to be used throughout the Water Resources Department to track maintenance needs, work orders, etc.			Justification:	Petition BOH Master Plan XL Capacity Need Consent Order Other
Township:	N/A			Coordinates:	
Annual Effect on Operations:	O&M/year	Resolutions:		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	N/A	RAGP RADP RON RDTP			
Special Conditions:	50% Water/50% Sewer funds				

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-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		\$150,000			\$150,000					\$300,000	
Total		\$150,000	\$0	\$0	\$150,000	\$0	\$0	\$0	\$0	\$300,000	
Funding Source:	Capital Improvement Fund	\$	-	\$	-	\$	150,000	\$	-	\$	150,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:
Replaces existing antiquated system.

Problems:

Notes:
In house development of the RFP in 2017.

2017 Water Capital Improvement Project Summary

Project : Elwynn, Deblin, & Berdova WM Replacement 6401- Project Manager:	Date of Update: 30-Jan-17
Description: 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.	Justification: Petition BOH Master Plan XL Capacity Need Consent Order Other
Township: Miami	Coordinates:
Annual Effect on Operations: \$ 900 O&M/year	Resolutions: RAGP RADP RON RDTP
Easements Procured: No	Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Special Conditions:	

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-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
Total		\$825,500	\$0	\$0	\$70,000	\$25,000	\$730,500	\$0	\$0	\$825,500
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 70,000	\$ 25,000	\$ 430,500	\$ -	\$ -	\$ -	\$ 525,500
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -

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

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

Notes:

2017 Water Capital Improvement Project Summary

Project : GIS - Water	6401-	Project Manager:	Date of Update: 30-Jan-17
Description: Contribution for Aerial Photography			Justification: Petition BOH Master Plan XL Capacity Need Consent Order <u>Other</u>
Township: Countywide			Coordinates: GIS
Annual Effect on Operations: N/A	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	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans 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
Total		\$75,000	\$0	\$25,000	\$0	\$25,000	\$0	\$25,000	\$0	\$75,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 25,000	\$ -	\$ 25,000	\$ -	\$ 25,000	\$ -	\$ 75,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
provides aerial photography for GIS overlay

Problems:

Notes:

2017 Water Capital Improvement Project Summary

Project :	Goshen Road Water Main Loop	621-0021	Project Manager:	Date of Update:	30-Jan-17
Description:	Approximately 13,600 feet of 8" water main along Goshen Road from Woodville Pike to Sutton Lane			Justification:	Petition BOH Master Plan XL
Township:	Stonelick, Wayne, & Goshen			Coordinates:	Capacity <u>Need</u> Consent Order Other
Annual Effect on Operations:	\$ 1,700 O&M/year	Resolutions: RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	No				
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:		\$65,000						\$65,000		\$65,000
Land/Easements		\$20,000						\$20,000		\$20,000
Construction Engineering and Inspection										\$0
General Contractor		\$680,000						\$680,000		\$680,000
Misc										\$0
Total		\$765,000	\$0	\$0	\$0	\$0	\$0	\$765,000	\$0	\$765,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 765,000	\$ -	\$ 765,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

Problems:

Notes:

2017 Water Capital Improvement Project Summary

Project : McPicken Road WM Replacement 6401- Project Manager:			Date of Update: 30-Jan-17	
Description: Replacement of approximately 2210 feet of existing 6" cast iron water main along McPicken Drive installed in 1959.			Justification: Petition Capacity BOH BOH <u>Need</u> Master Plan Consent Order XL Other	
Township: Miami			Coordinates:	
Annual Effect on Operations: \$ 400 O&M/year		Resolutions: RAGP RADP RON RDTP	Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured: no				
Special Conditions:				

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:		\$10,000			\$10,000					\$10,000
Land/Easements		\$20,000			\$20,000					\$20,000
Construction Engineering and Inspection General Contractor		\$250,000				\$250,000				\$250,000
Misc										\$0
Total		\$280,000	\$0	\$0	\$30,000	\$250,000	\$0	\$0	\$0	\$280,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ 30,000	\$ 250,000	\$ -	\$ -	\$ -	\$ 280,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

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

Notes:

2017 Water Capital Improvement Project Summary

Project :	Meter Upgrades-System Wide	6401-60130	Project Manager: CR	Date of Update: 30-Jan-17
Description:	Replacement of approximately 41,500 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.			Justification: Petition BOH Master Plan XL Capacity <u>Need</u> Consent Order Other
Township:	County Wide			Coordinates:
Annual Effect on Operations:	\$ 60,000 O&M/year	Resolutions: RAGP RADP RON RDTP		Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	N/A			
Special Conditions:	All water services upgraded			

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										\$0
Detail Plans										\$0
Date Complete:										\$0
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$8,612,120	\$4,271,200	\$4,190,920	\$150,000					\$8,612,120
Misc		\$500	\$500							\$500
Total		\$8,612,620	\$4,271,700	\$4,190,920	\$150,000	\$0	\$0	\$0	\$0	\$8,612,620
Funding Source:	Capital Improvement Fund	\$ 4,271,700	\$ 4,190,920	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,612,620
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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 and 2018.

Problems:

Notes:

2017 Water Capital Improvement Project Summary

Project : Milford Hills, Beechwood & Ridgewood WM Repl. 6401- Project Manager:		Date of Update: 30-Jan-17
Description: Replacement of approximately 4100 feet of existing 6" cast iron water main along Milford Hills Drive, Beechwood Lane and Ridgewood Lane, with 3500 feet 8" and 600 feet of 6" ductile iron water main.		Justification: Petition BOH Master Plan XL Capacity <u>Need</u> Consent Order Other
Township: Miami		Coordinates:
Annual Effect on Operations: \$ 600 O&M/year	Resolutions: RAGP RADP RON RDTP	Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured: No		
Special Conditions:		

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$40,000		\$40,000						\$40,000
Date Complete:										
Land/Easements		\$15,000		\$15,000						\$15,000
Construction Engineering and Inspection										\$0
General Contractor		\$395,000			\$395,000					\$395,000
Misc										\$0
Total		\$450,000	\$0	\$55,000	\$395,000	\$0	\$0	\$0	\$0	\$450,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 55,000	\$ 395,000	\$ -	\$ -	\$ -	\$ -	\$ 450,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

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

Notes:

2017 Water Capital Improvement Project Summary

Project : Ninemile-Bradbury Transmission Main 6401- Manager:	Date of Update: 30-Jan-17
Description: New 5600 feet of 12" water main along Bradbury and Ninemile Road, starting at 3686 Nine Mile Tobasco Road to Oakland Farms Drive.	Justification: Petition Capacity BOH <u>Need</u> Master Plan Consent Order XL Other
Township: Pierce	Coordinates:
Annual Effect on Operations: \$ 700 O&M/year	Resolutions: RAGP RADP RON RDTP
Easements Procured: No	
Special Conditions:	Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
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
Total		\$572,000	\$0	\$0	\$0	\$22,000	\$50,000	\$500,000	\$0	\$572,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ 22,000	\$ 50,000	\$ 500,000	\$ -	\$ 572,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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:

2017 Water Capital Improvement Project Summary

Project : Old SR 74 Water Main Extension 6401- Project Manager:	Date of Update: 30-Jan-17
Description: 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.	Justification: Petition BOH Master Plan XL (Capacity) (Need) Consent Order (Other)
Township: Union	Coordinates: Strengthen System
Annual Effect on Operations: \$ 900 O&M/year	Resolutions: RAGP RADP RON RDTP
Easements Procured: No	
Special Conditions: Coordinate w/ TID project	
Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:		\$65,000						\$65,000		\$65,000
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$750,000						\$750,000		\$750,000
Misc										\$0
Total		\$815,000	\$0	\$0	\$0	\$0	\$0	\$815,000	\$0	\$815,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 815,000	\$ -	\$ 815,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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:

Notes:

2017 Water Capital Improvement Project Summary

Project :	Old SR 74 WM Replacement (GE-Withamsville to Eastgate Blvd)	6401-	Project Manager:		Date of Update:	30-Jan-17
Description:	Replacement of approximately 4,000 feet of 8" water main (installed 1954) with 12" water main and appurtenances.				Justification:	Petition Capacity BOH Need Master Plan XL Other
Township:	Union				Coordinates:	
Annual Effect on Operations:	\$ 500 O&M/year	Resolutions: RAGP RADP RON RDTP			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	No					
Special Conditions:	Coordinate w/ TID Project					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-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		\$400,000					\$400,000			\$400,000
Misc										\$0
Total		\$430,000	\$0	\$0	\$0	\$30,000	\$400,000	\$0	\$0	\$430,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ 400,000	\$ -	\$ -	\$ 430,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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:

2017 Water Capital Improvement Project Summary

Project :	Old SR 74 Widening - Olive Branch/Stonelick to Armstrong Blvd Improvements	6401-	Project Manager: TC	Date of Update:	30-Jan-17
Description:	Replacement and relocation of approximately 2500 feet of existing water mains as part of a roadway widening and improvement project along Old SR 74 from Olive Branch-Stonelick Road to Armstrong Blvd.			Justification:	Petition BOH Master Plan XL
Township:	Batavia & Union			Coordinates:	Capacity <u>Need</u> Consent Order <u>Other</u>
Annual Effect on Operations:	\$ 300 O&M/year	Resolutions: RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	No				
Special Conditions:	Coordinate w/ TID Project				

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans										\$0
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$510,000		\$510,000						\$510,000
Misc										\$0
Total		\$510,000	\$0	\$510,000	\$0	\$0	\$0	\$0	\$0	\$510,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 510,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 510,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

CLE-CR171-4.89; PID No. 82582

Problems:

Notes:

2017 Water Capital Improvement Project Summary

Project :	PUB Well Field Control Tower for Wells 17-20	6401-	Project Manager:	Date of Update:	30-Jan-17
Description:	Recondition/Replacement of the existing aged control tower for PUB wells 17 - 20.			Justification:	Petition BOH Master Plan XL Capacity <u>Need</u> Consent Order Other
Township:	Pierce			Coordinates:	
Annual Effect on Operations:	\$ 100 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	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:										
Detail Plans Date Complete:		\$15,000				\$15,000				\$15,000
Land/Easements										
Construction Engineering and Inspection										
General Contractor		\$200,000				\$200,000				\$200,000
Misc										
Total		\$215,000	\$0	\$0	\$0	\$215,000	\$0	\$0	\$0	\$215,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ 215,000	\$ -	\$ -	\$ -	\$ 215,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

Problems:

Notes:

2017 Water Capital Improvement Project Summary

Project :	Rancho Lane Water Petition	6401-	Project Manager: JG	Date of Update:	30-Jan-17	
Description:	Construction of approximately 625 linear feet of ductile iron water main to service residents along Rancho Lane.				Justification:	<input checked="" type="radio"/> Petition <input type="radio"/> BOH <input type="radio"/> Master Plan <input type="radio"/> XL <input type="radio"/> Capacity <input checked="" type="radio"/> Need <input type="radio"/> Consent Order <input type="radio"/> Other
Township:	Union				Coordinates:	
Annual Effect on Operations:	\$ 150 O&M/year	Resolutions:			Construction:	<input type="checkbox"/> Bid Opening: <input type="checkbox"/> Contract Award: <input type="checkbox"/> Contract Execution: <input type="checkbox"/> Notice to Proceed:
Easements Procured:	NA			<input type="checkbox"/> RAGP <input type="checkbox"/> RADP <input type="checkbox"/> RON <input type="checkbox"/> RDTP		
Special Conditions:						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-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		\$67,800		\$67,800						\$67,800
Misc		\$6,000		\$6,000						\$6,000
Total		\$75,385	\$1,585	\$73,800	\$0	\$0	\$0	\$0	\$0	\$75,385
Funding Source:	Capital Improvement Fund	\$ 1,585	\$ 73,800	\$ (66,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,385
	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:

2017 Water Capital Improvement Project Summary

Project :	SR 125 Water Main Replacement	6401-	Project Manager:	Date of Update:	30-Jan-17
Description:	Replacement of approximately 4,210' of 4" water main along SR 125 from Woodlands Dr to Chapel Road.			Justification:	Petition (Capacity) BOH (Need) Master Plan Consent Order XL Other
Township:	Pierce			Coordinates:	
Annual Effect on Operations:	\$ - O&M/year	Resolutions: RAGP RADP RON RDTP		Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	No				
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$30,000				\$30,000				\$30,000
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection		\$300,000				\$300,000				\$300,000
General Contractor										\$0
Misc										\$0
Total		\$330,000	\$0	\$0	\$0	\$330,000	\$0	\$0	\$0	\$330,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ 330,000	\$ -	\$ -	\$ -	\$ 330,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

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

Notes:

2017 Water Capital Improvement Project Summary

Project :	SR 132 North of Judd Road	6401-	Project Manager:	Date of Update:	30-Jan-17
Description:	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.			Justification:	Petition BOH Master Plan XL Capacity Need Consent Order Other
Township:	Batavia			Coordinates:	
Annual Effect on Operations:	\$ 400 O&M/year	Resolutions: RAGP RADP RON RDTP		Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	No				
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
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		\$225,000						\$225,000		\$225,000
Misc										\$0
Total		\$260,000	\$0	\$0	\$0	\$0	\$35,000	\$225,000	\$0	\$260,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ 225,000	\$ -	\$ 260,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Creates a system Hydraulic Loop

Problems:

Notes:

2017 Water Capital Improvement Project Summary

Project :	SR 132/SR 48/SR 28 Water Main Replacement	6401-60124	Project Manager: JG	Date of Update:	30-Jan-17
Description:	Replacement of approximately 9,440' of 16" water main to connect the Dearfield Road Water Main to the Gaynor Road Water Main at SR 28.			Justification:	Petition BOH Master Plan XL Capacity <u>Need</u> Consent Order Other
Township:	Goshen			Coordinates:	
Annual Effect on Operations:	\$ 1,600 O&M/year	Resolutions:		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	No	RAGP RADP RON RDTP			
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$77,480	\$77,480							\$77,480
Date Complete:										
Land/Easements		\$26,000	\$26,000							\$26,000
Construction Engineering and Inspection										\$0
General Contractor		\$1,658,402	\$1,309,272	\$349,130						\$1,658,402
Misc		\$8,750	\$8,750							\$8,750
Total		\$1,770,632	\$1,421,502	\$349,130	\$0	\$0	\$0	\$0	\$0	\$1,770,632
Funding Source:	Capital Improvement Fund	\$ 1,316,002	\$ (314,670)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (314,670)
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant - OPWC	\$769,300	\$ 105,500	\$ 663,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 663,800

Positive Aspects of Project:
Strengthen system via hydraulic loop

Problems: Easements, Manpower, Materials, Weather, etc

Notes:

1658402

2017 Water Capital Improvement Project Summary

Project : SR 132 Water Service Connections		6401-	Project Manager:	Date of Update: 30-Jan-17
Description: Water service connection switchovers from existing 8" cast iron water main installed in 1959 to an existing 16" ductile iron water main installed in 1988 and the abandonment of the 8" water main from US 50 to Anstaett Road.			Justification: Petition BOH Master Plan XL	Capacity <u>Need</u> Consent Order Other
Township: Goshen		Coordinates:		
Annual Effect on Operations: \$ - 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	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:										\$0
Land/Easements										\$0
Construction Engineering and Inspection General Contractor		\$85,000			\$85,000					\$85,000
Misc										\$0
Total		\$85,000	\$0	\$0	\$85,000	\$0	\$0	\$0	\$0	\$85,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ 85,000	\$ -	\$ -	\$ -	\$ -	\$ 85,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Eliminates a section of cast iron water main installed in 1959 that is prone to breaking.

Problems:

Notes:
Design in house.

2017 Water Capital Improvement Project Summary

Project :	SR 132 WM Replacement (SR 48 to SR 28)	6401-	Project Manager:	Date of Update:	30-Jan-17
Description:	Replacement of approx. 6,780' of 6" cast iron water main installed in 1959 from SR 48 to SR 28.			Justification:	Petition BOH Master Plan XL Capacity Need Consent Order Other
Township:	Goshen			Coordinates:	
Annual Effect on Operations:	\$ 1,200 O&M/year	Resolutions: RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	No				
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
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
Total		\$850,000	\$0	\$0	\$0	\$100,000	\$750,000	\$0	\$0	\$850,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ 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:

2017 Water Capital Improvement Project Summary

Project : SR 48 & SR 28 Water Main Replacement 6401- Project Manager:	Date of Update: 30-Jan-17
Description: Replacement of approx. 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.	Justification: Petition Capacity BOH Need Master Plan Consent Order XL <u>Other</u>
Township: Goshen	Coordinates:
Annual Effect on Operations: \$ 1,200 O&M/year	Resolutions: RAGP RADP RON RDTP
Easements Procured: No	
Special Conditions:	Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:		\$80,000			\$80,000					\$80,000
Land/Easements		\$50,000			\$50,000					\$50,000
Construction Engineering and Inspection										\$0
General Contractor		\$950,000				\$950,000				\$950,000
Misc										\$0
Total		\$1,080,000	\$0	\$0	\$130,000	\$950,000	\$0	\$0	\$0	\$1,080,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ 130,000	\$ 450,000	\$ -	\$ -	\$ -	\$ 580,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Replaces cast iron water mains installed in 1959 that are prone to breaking.

Problems: Easements, Manpower, Materials, Weather, etc

Notes:

2017 Water Capital Improvement Project Summary

Project :	SR 48 & Gibson Rd New 1 MG Tank	6401-	Project Manager:	Date of Update:	30-Jan-17
Description:	Construction at elevation 990, a 1 MG Elevated Tank near State Route 48 and Gibson Road			Justification:	Petition BOH Master Plan XL
Township:	Goshen			Coordinates:	Capacity Need Consent Order Other
Annual Effect on Operations:				Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	No	(Purchase 1 property)	Resolutions: RAGP RADP RON RDTP		
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-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
Total		\$2,050,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,050,000	\$2,050,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 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:

2017 Water Capital Improvement Project Summary

Project :	Summit Elevated Tank & BMW Intake Drive Struct. - Eval., Rehab. & Coatings Appl.	6401-	Project Manager:	Date of Update:	30-Jan-17
Description:	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.			Justification:	Petition BOH Master Plan XL Capacity Need Consent Order Other
Township:	Batavia			Coordinates:	
Annual Effect on Operations:	\$ - O&M/year	Resolutions: RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	na				
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$10,000					\$10,000			\$10,000
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection		\$35,000					\$35,000			\$35,000
General Contractor		\$970,000					\$970,000			\$970,000
Misc										\$0
Total		\$1,015,000	\$0	\$0	\$0	\$0	\$1,015,000	\$0	\$0	\$1,015,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,015,000	\$ -	\$ -	\$ 1,015,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

Problems:

Notes:

2017 Water Capital Improvement Project Summary

Project :	Surface Water Treatment Master Plan	6401-	Project Manager:	Date of Update:	30-Jan-17
Description:	Evaluation and recommendation of treatment strategies to meet current and anticipated future water quality requirements associated with treating water from Harsha Lake.			Justification:	Petition BOH <u>Master Plan</u> XL Capacity <u>Need</u> Consent Order Other
Township:	Batavia, Williamsburg, Tate			Coordinates:	
Annual Effect on Operations:	\$ - O&M/year	Resolutions: RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	NA				
Special Conditions:					

Expenditure Plan

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

Positive Aspects of Project:

Problems:

Notes:

2017 Water Capital Improvement Project Summary

Project :	Taylor Avenue Water Petition	6401-	Project Manager:	JG	Date of Update: 30-Jan-17
Description:	Construction of approximately 625 linear feet of ductile iron water main to service residents along Taylor Avenue.				Justification: <div style="display: flex; justify-content: space-around; font-size: small;"> <div style="text-align: center;"> Petition BOH Master Plan XL </div> <div style="text-align: center;"> Capacity Need Consent Order Other </div> </div>
Township:	Stonelick				Coordinates:
Annual Effect on Operations:	\$ 500 O&M/year	Resolutions: RAGP RADP RON RDTP			Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	no				
Special Conditions:	Petition/Assessment				

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans		\$5,200		\$5,200						\$5,200
Date Complete:										
Land/Easements										\$0
Construction Engineering and Inspection		\$65,000			\$65,000					\$65,000
General Contractor										\$0
Misc		\$2,000			\$2,000					\$2,000
Total		\$72,200	\$0	\$5,200	\$67,000	\$0	\$0	\$0	\$0	\$72,200
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 5,200	\$ 67,000	\$ (60,000)	\$ -	\$ -	\$ -	\$ 12,200
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant (OPWC)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

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

2017 Water Capital Improvement Project Summary

Project : Tealtown / Sugar Camp Transmission Main 6401-60021 Project Manager: JG

Date of Update: 30-Jan-17

Description: Approximately 4,000 feet of 16" transmission main to connect the 16" main on Tealtown Road to the 16" main on Sugar Camp Road.

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

Township: Union / Miami

Coordinates:

Annual Effect on Operations: \$ 700 O&M/year

Resolutions: RAGP
 RADP
 RON
 RDTP

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

Easements Procured: No

Special Conditions:

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans	Brandstetter Carroll, Inc.	\$46,360	\$46,360							\$46,360
Date Complete:										
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
Total		\$753,190	\$153,190	\$0	\$0	\$0	\$0	\$0	\$600,000	\$753,190
Funding Source:	Capital Improvement Fund	\$ 153,190	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 753,190
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

Problems:

Notes:

2017 Water Capital Improvement Project Summary

Project :	Utility Relocations	6401-60001	Project Manager:	TC	Date of Update:	30-Jan-17	
Description:	Utility Relocations, due to various road improvement projects. Countywide				Justification:	Petition BOH Master Plan XL	Capacity <u>Need</u> Consent Order Other
Annual Effect on Operations:					Unknown	O&M/year	Resolutions:
Easements Procured:	N/A						
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:										\$0
Detail Plans Date Complete:										\$0
Land/Easements										\$0
Construction Engineering and Inspection										\$0
General Contractor		\$850,000		\$50,000	\$100,000	\$100,000	\$200,000	\$200,000	\$200,000	\$850,000
Misc										\$0
Total		\$850,000	\$0	\$50,000	\$100,000	\$100,000	\$200,000	\$200,000	\$200,000	\$850,000
Funding Source:	Capital Improvement Fund	\$ -	\$ 50,000	\$ 100,000	\$ 100,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 850,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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:

2017 Water Capital Improvement Project Summary

Project :	Wards Corner Road (East) Water Main Replacement 6401-60131	Project Manager: JG	Date of Update: 30-Jan-17
Description:	Replacement of approximately 3900' of cast iron & ductile iron pipe installed in 1974 & 1972 with new 8" ductile iron pipe from Branch Hill Guinea Road to Arnold Palmer Drive along Wards Corner Road.		Justification: Petition BOH Master Plan XL Capacity Need Consent Order Other
Township:	Miami		Coordinates:
Annual Effect on Operations:	\$ 500 O&M/year	Resolutions: RAGP RADP RON RDTP	Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	No		
Special Conditions:			

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										
Detail Plans	In house	\$12,100	\$12,100							\$12,100
Date Complete:										
Land/Easements		\$35,000	\$35,000							\$35,000
Construction Engineering and Inspection										\$0
General Contractor		\$559,900		\$559,900						\$559,900
Misc		\$1,500	\$1,500							\$1,500
Total		\$608,500	\$48,600	\$559,900	\$0	\$0	\$0	\$0	\$0	\$608,500
Funding Source:	Capital Improvement Fund	\$ 48,600	\$ 559,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 608,500
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Replaces cast iron water main that has reached its useful life. Improves flow and fire protection for existing homes and future development.

Problems: Easements

Notes:

2017 Water Capital Improvement Project Summary

Project :	Water Distribution Model Maintenance	6401-	Project Manager:		Date of Update:	30-Jan-17
Description:	Annual contract to provide maintenance on the CCWRD KY Pipe water model.				Justification:	Petition Capacity BOH <u>Need</u> Master Plan Consent Order XL Other
Township:	County Wide				Coordinates:	
Annual Effect on Operations:	\$ - O&M/year	Resolutions:		RAGP RADP RON RDTP	Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	NA					
Special Conditions:						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total			
Preliminary Engineering		\$0	\$0							\$0			
Date Complete:													
Detail Plans		\$100,000	\$0	\$50,000	\$25,000	\$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			
Total		\$100,000	\$0	\$50,000	\$25,000	\$25,000	\$0	\$0	\$0	\$100,000			
Funding Source:	Capital Improvement Fund	\$	-	\$	50,000	\$	25,000	\$	25,000	\$	-	\$	100,000
	Assessment			\$	-	\$	-	\$	-			\$	-
	Loan			\$	-	\$	-	\$	-			\$	-
	Grant			\$	-	\$	-	\$	-			\$	-

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

Problems:

Notes:

2017 Water Capital Improvement Project Summary

Project :	Water Main Replacement Program	6401-	Project Manager:	Date of Update:	30-Jan-17
Description:	Replacement of existig water mains and appurtanances that have reached the end of their useful life.			Justification:	Petition BOH Master Plan XL Capacity Need Consent Order Other
Township:	County Wide			Coordinates:	
Annual Effect on Operations:	\$	O&M/year	Resolutions:	Construction:	Bid Opening:
Easements Procured:	No		RAGP RADP RON RDTP		Contract Award:
Special Conditions:					Contract Execution:
					Notice to Proceed:

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total					
Preliminary Engineering															
Date Complete:															
Detail Plans		\$625,000					\$175,000	\$225,000	\$225,000	\$625,000					
Date Complete:															
Land/Easements		\$225,000					\$75,000	\$75,000	\$75,000	\$225,000					
Construction Engineering and Inspection															
General Contractor		\$4,500,000					\$800,000	\$1,500,000	\$2,200,000	\$4,500,000					
Misc															
Total		\$5,350,000	\$0	\$0	\$0	\$0	\$1,050,000	\$1,800,000	\$2,500,000	\$5,350,000					
Funding Source:	Capital Improvement Fund	\$	-	\$	-	\$	-	\$	1,050,000	\$	1,800,000	\$	2,500,000	\$	5,350,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

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:

2017 Water Capital Improvement Project Summary

Project :	Watershed/Wellhead Protection	6401-60082	Project Manager:		Date of Update: 30-Jan-17
Description:	Watershed/Wellhead Protection County Wide			Justification: Petition BOH Master Plan XL	
				Capacity Need Consent Order <u>Other</u>	
Annual Effect on Operations:	O&M/year	Resolutions: RAGP RADP RON RDTP		Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	Unknown				
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering Date Complete:	LBG	\$54,400	\$54,400							\$54,400
Detail Plans Date Complete:										\$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
Total		\$314,400	\$54,400	\$10,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$314,400
Funding Source:	Capital Improvement Fund	\$ 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:

2017 Water Capital Improvement Project Summary

Project :	Water System SCADA Upgrade	6401-	Project Manager:	Date of Update:	30-Jan-17
Description:	Upgrade to the existing hardware and software of the water SCADA system			Justification:	Petition BOH Master Plan XL Capacity Need Consent Order Other
Township:	County Wide			Coordinates:	
Annual Effect on Operations:	unknown	O&M/year	Resolutions:	Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	na		RAGP RADP RON RDTP		
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2017	2018	2019	2020	2021	2022-Beyond	Total
Preliminary Engineering										\$0
Date Complete:										\$0
Detail Plans										\$0
Date Complete:										\$0
Land/Easements										\$0
Construction Engineering and Inspection		\$550,000		\$275,000	\$275,000					\$550,000
General Contractor										\$0
Misc										\$0
Total		\$550,000	\$0	\$275,000	\$275,000	\$0	\$0	\$0	\$0	\$550,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 275,000	\$ 275,000	\$ -	\$ -	\$ -	\$ -	\$ 550,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

Problems:

Notes:

2017 Water Capital Improvement Project Summary

Project : Wolfpen Pleasant Hill Road Water Main Replacement 6401- Project Manager:		Date of Update: 30-Jan-17
Description: Replacement and upsizing of approximately 1130' of existing 6" cast iron water main with approximately 600' of 8" ductile iron water main from 5427 to 5392 Wolfpen Pleasant Hill Road. This work will include the transfer of services to the new water main and to an existing 12" PCV water main.		Justification: Petition BOH Master Plan XL Capacity <u>Need</u> Consent Order Other
Annual Effect on Operations: \$ - O&M/year	Resolutions: RAGP RADP RON RDTP	Coordinates:
Easements Procured: No		Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Special Conditions: Coordinate w/ TID Project Road Safety Improvements		

Expenditure Plan

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

Positive Aspects of Project:

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

Notes: