

Pottstown Borough Authority									
Water Capital Plan									
Project #	Water Treatment Plant Projects	Anticipated	Total Cost	Expended to	2022	2023	2024	2025	2026
		Inception		Date					
150	Air Scour Upgrade for Filters	2018	\$ 1,400,000	\$ 871,222	\$ 528,778				
150	Instrumentation (included in Air Scour Upgrade) - Turbidity	2019	\$ 175,000	\$ 176,966					
2236	WTP Valve basement replace	2022	\$ 300,000		\$ 150,000	\$ 150,000			
	Hypochlorite - per HRG	2023	\$ 60,000			\$ 60,000			
	Water System Model Updates per HRG - will be O&M	2023	\$ 20,000						
	Low service pump	TBD	\$ 150,000				\$ 150,000		
	Alternative water supply Investigation - per HRG	2023	\$ 100,000				\$ 100,000		
	Alternative water supply - per HRG	2024	\$ 3,450,000					\$ 862,500	\$ 862,500
	Media to activated carbon	TBD							
	Flood resiliency and 2nd floor improvement project - per HRG	2026	\$ 1,100,000						\$ 550,000
	WTP Pump Improvements - Phase A - per HRG	2027	\$ 600,000						
	Filter to Waste Project - Phase B - per HRG	2028	\$ 330,000						
	Media Filter study - Phase A - per HRG - will be O&M	2028	\$ 20,000						
	Media Filter Replacement Project - Phase b - per HRG	2028	\$ 640,000						
	Carbon feeder system	TBD							
	Roof over filter galleries - per HRG	2029	\$ 1,510,000						
	Basins solids removal and cover installation - per HRG	2030	\$ 490,000						
	High rate removal of solids before basins - pre-sediment basin - per HRG	2030	\$ 1,520,000						
	HVAC Improvements Project - per HRG	2031	\$ 250,000						
	Pavement Improvement Project - per HRG	2032	\$ 240,000						
	Bridge Improvement Project - per HRG	2033	\$ 100,000						
2222	IT/OT Network Separation - split with WWTP	2022	\$ 67,500	\$ 19,838	\$ 47,662				
2245	LT2 Compliance UV	2020	\$ 1,200,000	\$ 440,261	\$ 759,739				
	<b>Total Water Plant</b>		\$ 13,722,500	\$ 1,508,288	\$ 1,486,178	\$ 210,000	\$ 250,000	\$ 862,500	\$ 1,412,500
	<b>Water Distribution System</b>								
2240	Commission of New Hanover Square Tank (Phase 5) - possible chlorinator	2017	\$ 115,000				\$ 49,781		
2240	Acquire Land for Douglass-Berks Tank	2018	\$ 265,000					\$ 265,000	
	Jackson St Water Tank repaint	2023	\$ 300,000				\$ 300,000		
	Water tank inspection	2023	\$ 100,000				\$ 100,000		
	Willow St Water Tank repaint	2024	\$ 300,000				\$ 300,000		
	Booster station - per HRG	2028	\$ 1,888,200						
	Generators for 2nd tier pumps - Berks and East End - per HRG	2026	\$ 2,120,000						
	Pump stations - Willow and Farmington	2023							
	Lead water lines (Loan)	TBD	\$ 2,362,008			\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000
2215	Modifications Due to Stage 2 System Testing (Distribution Chlorine Injection System)	2020	\$ 100,000					\$ 100,000	
2214	Domestic Water Meters** - per HRG (split with Sewer)	2029	\$ 4,920,000				\$ 500,000		
2220	Water Main replace - 422 - Penndot reimburse ++	2022	\$ 200,000		\$ 200,000				
2210	Water Main Replacement (2021)	2020	\$ 597,377	\$ 597,377					
2210	Water Main Replacement (2021) - Inspection	2021	\$ 60,000		\$ -				
	Water Main Replacement (2023) Design only 2023	2022	\$ 150,000			\$ 150,000			
	Water Main Replacement (2023) Assume \$1,100,000	2023	\$ 1,100,000			\$ 1,100,000		\$ 1,100,000	
	<b>Total Water Distribution</b>		\$ 14,577,585	\$ 597,377	\$ 200,000	\$ 1,390,000	\$ 1,389,781	\$ 1,605,000	\$ 140,000
	<b>Total Water Capital Projects</b>		\$ 28,300,085	\$ 2,105,665	\$ 1,686,178	\$ 1,600,000	\$ 1,639,781	\$ 2,467,500	\$ 1,552,500
							OVERALL Difference		
	**Domestic Water Meters moved to start in 2022; will be \$1.3MM each year in 2023 and 2024****update - due to LT2 Compliance, will push tentatively to 2023 start and reduce to \$2.4mm.								
	New note- hoping to start with 2" and larger meters. Solicitor is also verifying whether Sewer can contribute since sewer billings are calculated from meter reads as well.								

Pottstown Borough Authority										
Water Capital Plan										
Projected										
Project #	Water Treatment Plant Projects	2027	2028	2029	2030	2031	2032	2033	2034	2035
150	Air Scour Upgrade for Filters									
150	Instrumentation (included in Air Scour Upgrade) - Turbidity									
2236	WTP Valve basement replace									
	Hypochlorite - per HRG									
	Water System Model Updates per HRG - will be O&M									
	Low service pump									
	Alternative water supply Investigation - per HRG									
	Alternative water supply - per HRG	\$ 862,500	\$ 862,500							
	Media to activated carbon									
	Flood resiliency and 2nd floor improvement project - per HRG	\$ 550,000								
	WTP Pump Improvements - Phase A - per HRG		\$ 600,000							
	Filter to Waste Project - Phase B - per HRG		\$ 330,000							
	Media Filter study - Phase A - per HRG - will be O&M									
	Media Filter Replacement Project - Phase b - per HRG			\$ 640,000						
	Carbon feeder system									
	Roof over filter galleries - per HRG			\$ 1,510,000						
	Basins solids removal and cover installation - per HRG				\$ 490,000					
	High rate removal of solids before basins - pre-sediment basin - per HRG				\$ 760,000	\$ 760,000				
	HVAC Improvements Project - per HRG					\$ 250,000				
	Pavement Inprovement Project - per HRG						\$ 240,000			
	Bridge Improvement Project - per HRG							\$ 100,000		
2222	IT/OT Network Separation - split with WWTP									
2245	LT2 Compliance UV									
	<b>Total Water Plant</b>	\$ 1,412,500	\$ 1,792,500	\$ 2,150,000	\$ 1,250,000	\$ 1,010,000	\$ 240,000	\$ 100,000	\$ -	\$ -
	<b>Water Distribution System</b>									
2240	Commission of New Hanover Square Tank (Phase 5) - possible chlorinator									
2240	Acquire Land for Douglass-Berks Tank									
	Jackson St Water Tank repaint									
	Water tank inspection									
	Willow St Water Tank repaint									
	Booster station - per HRG		\$ 944,100	\$ 944,100						
	Generators for 2nd tier pumps - Berks and East End - per HRG	\$ 1,060,000	\$ 1,060,000							
	Pump stations - Willow and Farmington									
	Lead water lines (Loan)	\$ 140,000	\$ 145,000	\$ 145,000	\$ 145,000	\$ 145,000	\$ 145,000	\$ 145,000	\$ 145,000	\$ 145,000
2215	Modifications Due to Stage 2 System Testing (Distribution Chlorine Injection System)									
2214	Domestic Water Meters** - per HRG (split with Sewer)	\$ 650,000			\$ 650,000		\$ 1,230,000	\$ 1,230,000		
2220	Water Main replace - 422 - Penndot reimburse ++									
2210	Water Main Replacement (2021)									
2210	Water Main Replacement (2021) - Inspection									
	Water Main Replacement (2023) Design only 2023									
	Water Main Replacement (2023) Assume \$1,100,000	\$ 1,100,000		\$ 1,100,000		\$ 1,100,000		\$ 1,100,000		
	<b>Total Water Distribution</b>	\$ 2,950,000	\$ 2,149,100	\$ 2,189,100	\$ 795,000	\$ 1,245,000	\$ 1,375,000	\$ 2,475,000	\$ 145,000	\$ 145,000
	<b>Total Water Capital Projects</b>	\$ 4,362,500	\$ 3,941,600	\$ 4,339,100	\$ 2,045,000	\$ 2,255,000	\$ 1,615,000	\$ 2,575,000	\$ 145,000	\$ 145,000
	**Domestic Water Meters moved to start in 2022; will be \$1.3MM each year in 2023 and 2024 will push tentatively to 2023 start and reduce to \$2.4mm.									
	New note- hoping to start with 2" and larger meters. Solicitor is also verifying whether Sewer									

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Water Capital Plan						
Project #	Water Treatment Plant Projects	2036	2037	2038		
150	Air Scour Upgrade for Filters				\$ 1,400,000	Assume - update all
150	Instrumentation (included in Air Scour Upgrade) - Turbidity				\$ 176,966	added 9/10/19
2236	WTP Valve basement replace				\$ 300,000	
	Hypochlorite - per HRG				\$ 60,000	
	Water System Model Updates per HRG - will be O&M				\$ -	
	Low service pump				\$ 150,000	
	Alternative water supply Investigation - per HRG				\$ 100,000	
	Alternative water supply - per HRG				\$ 3,450,000	
	Media to activated carbon				\$ -	
	Flood resiliency and 2nd floor improvement project - per HRG				\$ 1,100,000	
	WTP Pump Improvements - Phase A - per HRG				\$ 600,000	
	Filter to Waste Project - Phase B - per HRG				\$ 330,000	
	Media Filter study - Phase A - per HRG - will be O&M				\$ -	
	Media Filter Replacement Project - Phase b - per HRG				\$ 640,000	
	Carbon feeder system				\$ -	
	Roof over filter galleries - per HRG				\$ 1,510,000	
	Basins solids removal and cover installation - per HRG				\$ 490,000	
	High rate removal of solids before basins - pre-sediment basin - per HRG				\$ 1,520,000	
	HVAC Improvements Project - per HRG				\$ 250,000	
	Pavement Inprovement Project - per HRG				\$ 240,000	
	Bridge Improvement Project - per HRG				\$ 100,000	
					\$ -	
					\$ -	
					\$ -	
2222	IT/OT Network Separation - split with WWTP				\$ 67,500	
2245	LT2 Compliance UV				\$ 1,200,000	per Josh Fox - \$1.2m
	<b>Total Water Plant</b>	\$ -	\$ -	\$ -	\$ 13,684,466	
	<b>Water Distribution System</b>					
2240	Commission of New Hanover Square Tank (Phase 5) - possible chlorinator				\$ 49,781	still need this?
2240	Acquire Land for Douglass-Berks Tank				\$ 265,000	OK to push out per D
	Jackson St Water Tank repaint				\$ 300,000	
	Water tank inspection				\$ 100,000	
	Willow St Water Tank repaint				\$ 300,000	
	Booster station - per HRG				\$ 1,888,200	
	Generators for 2nd tier pumps - Berks and East End - per HRG				\$ 2,120,000	
	Pump stations - Willow and Farmington				\$ -	
	Lead water lines (Loan)	\$ 145,000	\$ 145,000	\$ 145,000	\$ 2,295,000	
2215	Modifications Due to Stage 2 System Testing (Distribution Chlorine Injection System)				\$ 100,000	Moved this from 2021
2214	Domestic Water Meters** - per HRG (split with Sewer)				\$ 4,260,000	Per HRG continue in
2220	Water Main replace - 422 - Penndot reimburse ++				\$ 200,000	
2210	Water Main Replacement (2021)				\$ 597,377	
2210	Water Main Replacement (2021) - Inspection				\$ -	
	Water Main Replacement (2023) Design only 2023				\$ 150,000	
	Water Main Replacement (2023) Assume \$1,1000,0000				\$ 6,600,000	
	<b>Total Water Distribution</b>	\$ 145,000	\$ 145,000	\$ 145,000	\$ 19,225,358	
	<b>Total Water Capital Projects</b>	\$ 145,000	\$ 145,000	\$ 145,000	\$ 32,909,824	
					\$ 4,609,739	
	**Domestic Water Meters moved to start in 2022; will be \$1.3MM each year in 2023 and 2024 will push tentatively to 2023 start and reduce to \$2.4mm.					
	New note- hoping to start with 2" and larger meters. Solicitor is also verifying whether Sewer					