

Pottstown Borough Authority									
Water Capital Plan									
Project #	Water Treatment Plant Projects	Anticipated	Total Cost	Expended to	2022	2023	2024	2025	2026
		Inception		Date					
				9/30/2022					
150	Air Scour Upgrade for Filters	2018	\$ 1,400,000	\$ 874,179	\$ 525,821				
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 (handled though O&M 06.448.378)	2023	\$ 60,000			\$ 20,000	\$ 40,000		
	Water System Model Updates per HRG - will be O&M	2024	\$ 20,000				\$ 20,000		
	Low service pump	TBD	\$ 150,000				\$ 150,000		
	Alternative water supply Investigation - per HRG	2024	\$ 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 Inprovement 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	\$ 25,627	\$ 41,873				
2245	LT2 Compliance UV	2020	\$ 1,200,000	\$ 666,372	\$ 533,628				
	Total Water Plant		\$ 13,722,500	\$ 1,743,144	\$ 1,251,322	\$ 170,000	\$ 310,000	\$ 862,500	\$ 1,412,500
	Water Distribution System								
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 (Montco grant)	2023	\$ 2,100,000				\$ 2,100,000	\$ -	
	Lead water lines (Pennvest Grant)	2023	\$ 704,780			\$ 704,780			
	Lead water lines (Loan)	2023	\$ 500,000			\$ 105,000	\$ 105,000	\$ 105,000	\$ 105,000
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			\$ 350,000			
2220	Water Main replace - 422 - Pennndot reimburse ++	2022	\$ 200,000		\$ 200,000				
2210	Water Main Replacement (2021)	2020	\$ -	\$ -					
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			\$ 1,000,000		\$ 1,100,000	
	Total Water Distribution		\$ 14,922,980	\$ -	\$ 200,000	\$ 2,309,780	\$ 2,954,781	\$ 1,570,000	\$ 105,000
	Total Water Capital Projects		\$ 28,645,480	\$ 1,743,144	\$ 1,451,322	\$ 2,479,780	\$ 3,264,781	\$ 2,432,500	\$ 1,517,500

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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 (handled though O&M 06.448.378)									
	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									
	Total Water Plant	\$ 1,412,500	\$ 1,792,500	\$ 2,150,000	\$ 1,250,000	\$ 1,010,000	\$ 240,000	\$ 100,000	\$ -	\$ -
	Water Distribution System									
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 (Montco grant)									
	Lead water lines (Pennvest Grant)									
	Lead water lines (Loan)	\$ 105,000								
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		
	Total Water Distribution	\$ 2,915,000	\$ 2,004,100	\$ 2,044,100	\$ 650,000	\$ 1,100,000	\$ 1,230,000	\$ 2,330,000	\$ -	\$ -
	Total Water Capital Projects	\$ 4,327,500	\$ 3,796,600	\$ 4,194,100	\$ 1,900,000	\$ 2,110,000	\$ 1,470,000	\$ 2,430,000	\$ -	\$ -

Pottstown Borough Authority					
Water Capital Plan					
Project #	Water Treatment Plant Projects	2036	2037	2038	
150	Air Scour Upgrade for Filters				\$ 1,400,000
150	Instrumentation (included in Air Scour Upgrade) - Turbidity				\$ 176,966
2236	WTP Valve basement replace				\$ 300,000
	Hypochlorite - per HRG (handled though O&M 06.448.378)				\$ 60,000
	Water System Model Updates per HRG - will be O&M				\$ 20,000
	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
	Total Water Plant	\$ -	\$ -	\$ -	\$ 13,704,466
	Water Distribution System				
2240	Commission of New Hanover Square Tank (Phase 5) - possible chlorinator				\$ 49,781
2240	Acquire Land for Douglass-Berks Tank				\$ 265,000
	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 (Montco grant)				
	Lead water lines (Pennvest Grant)				
	Lead water lines (Loan)				\$ 525,000
2215	Modifications Due to Stage 2 System Testing (Distribution Chlorine Injection System)				\$ 100,000
2214	Domestic Water Meters** - per HRG (split with Sewer)				\$ 4,110,000
2220	Water Main replace - 422 - Penndot reimburse ++				\$ 200,000
2210	Water Main Replacement (2021)				\$ -
2210	Water Main Replacement (2021) - Inspection				\$ -
	Water Main Replacement (2023) Design only 2023				\$ 150,000
	Water Main Replacement (2023) Assume \$1,1000,0000				\$ 6,500,000
	Total Water Distribution	\$ -	\$ -	\$ -	\$ 19,412,761
	Total Water Capital Projects	\$ -	\$ -	\$ -	\$ 33,117,227
					\$ 4,471,747