

BEFORE THE GUAM PUBLIC UTILITIES COMMISSION



IN THE MATTER OF:) GWA Docket 20-06
)
The Petition of the Guam Waterworks) ALJ REPORT
Authority for Approval of Use of 2020A)
Bond Proceeds.)
_____)

INTRODUCTION

This matter comes before the Guam Public Utilities Commission (“PUC”) pursuant to the Petition for Approval of Use of 2020A Bond Proceeds (“Petition”), filed by the Guam Waterworks Authority (“GWA”) on June 16, 2020.¹

BACKGROUND

On March 26, 2020, the PUC adopted an “ORDER APPROVING LONG-TERM DEBT.”² The PUC authorized GWA to issue bonds in a principal amount not to exceed \$134,000,000. Attached to the PUC Order as Exhibit A was a “TABLE OF PROJECTS FUNDED BY SERIES 2020A BONDS.”³

In its Petition for Approval of the 2020 Bond Issuance, GWA estimated that there would be net proceeds in the construction fund for capital improvement projects of approximately \$108,926,000.⁴ However, after the Bond Issuance was completed, there were Project Fund Deposits in the 2020A Construction Account in the total amount of \$123,590,268.65.⁵ Therefore, GWA has an additional \$14,664,270 available in

¹ GWA Petition for Approval of Use of 2020A Bond Proceeds, GWA Docket 20-06, filed June 16, 2020.

² PUC Order Approving Long-Term Debt, GWA Docket 20-03, dated March 26, 2020.

³ Id. at p. 2 and Exhibit “A”.

⁴ GWA Petition for Approval of Use of 2020A Bond Proceeds, GWA Docket 20-06, at p. 1.

⁵ Citigroup Global Markets Inc., SOURCES AND USES OF FUNDS: Guam Waterworks Authority Water and Wastewater System Revenue Bonds, Series 2020A, Proposed Final Numbers, at p. 1.

construction funds for capital improvement projects. These additional available funds have not been allocated or approved for use on specific capital improvement projects.

DISCUSSION

A. Bond Review

Pursuant to 12 GCA § 12105,⁶ GWA cannot enter into any contractual agreements or obligations which could increase rates and charges without the PUC's express approval. Additionally, pursuant to GWA's Contract Review Protocol, filed in PUC Administrative Docket 00-04 on October 27, 2005, all externally funded loan obligations and other financial obligations, such as lines of credit, bonds, etc., in excess of \$1,000,000, and any use of such funds, must be approved by the PUC.⁷

B. The Petition and CCU Resolution No. 29-FY2020

In its Petition, GWA seeks PUC approval for the use of \$14,664,268.65 of additional bond funds. The proposed spending for such additional funds in FY2020 and FY2021 is set forth in the Project CIP List attached to GWA's Petition as Exhibit A. Said List is the same List attached to CCU Resolution No. 29-FY2020. A true and correct copy of Exhibit A is attached hereto as Exhibit "1".

⁶ Formerly 12 GCA § 12004.

⁷ See Contract Review Protocol for Guam Waterworks Authority, Administrative Docket 00-04, p.1 (Oct. 27, 2013).

In CCU Resolution No. 29-FY2020, the CCU has explained, in detailed fashion, all of the “CIP line items that experienced fund allotment changes to the 2020A Bond proceeds...” There is an explanation of all changes made to specific line items.⁸ There has been no change in the total funding amount for the 2020-2024 Capital Improvement Program (CIP), as was submitted in GWA Docket 19-08. All of the same capital project line items slated for 2020 Bond Funding, as were included in the pre-issuance CIP project list, are still included in the Project List attached to GWA’s Petition.⁹

CCU Resolution No. 29-FY2020 indicates the spending changes that have been made to the Project CIP List as a result of the availability of additional bond funds: (1) with certain CIP line items, projects were previously intended to be funded with planned Internally Funded CIP (IFCIP) allotments; however, due to the anticipated drop in GWA revenues from the recent global pandemic, bond proceeds instead will be allocated to fund such CIP projects; and (2) some CIP line items for FY2020 and FY2021 are receiving additional funding.¹⁰

⁸ Draft Consolidated Commission on Utilities Resolution No. 29-FY2020, Relative to Approving the Guam Waterworks Authority’s “2020-2024 Capital Improvement Plan (CIP) Supplement”, at p. 2; said Resolution is anticipated to be adopted at the CCU Meeting scheduled for June 23, 2020.

⁹ GWA Petition for Approval of Use of 2020A Bond Proceeds, GWA Docket 20-06, at p. 1.

¹⁰ Draft Consolidated Commission on Utilities Resolution No. 29-FY2020, Relative to Approving the Guam Waterworks Authority’s “2020-2024 Capital Improvement Plan (CIP) Supplement”, at p. 2; said Resolution is anticipated to be adopted at the CCU Meeting scheduled for June 23, 2020.

Many of the projects listed on Exhibit 1 hereto, related to non-revenue water, “have been moved up in time and/or 2020 Bond Funding amounts have been increased.”¹¹

C. Bond Projects

The purpose of this allocation of the additional funding is to “spread in various CIP line items that are intended to address non-revenue water loss, reduction in sanitary sewer overflows, remaining USEPA Court Order Projects, projects that address pending USEPA consent decree requirements and general GWA facility improvements.”¹²

The ALJ reviewed all of the projects listed in Exhibit 1. He gave particular attention to those projects where funding increases in FY2020 and FY2021 approached \$1M or more. For the most part, these projects involved expenditures where large sums were projected over the four-year period FY2020-2024. Spending was either accelerated or series 2020A proceeds were added in lieu of IFCIP funding allotment. The projects include:

MP-GEN-MISC-04: “Information Technology Improvements”; \$1,250,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address GWA Information Technology hardware and software needs to improve service to customers.¹³

¹¹ GWA Petition for Approval of Use of 2020A Bond Proceeds, GWA Docket 20-06, at p. 1.

¹² GWA Work Session, June 16, 2020, ISSUES FOR DECISION, at p. 21 (packet for CCU Members).

¹³ CCU Resolution No. 29-FY2020, at p. 2.

MP-GEN-MISC-05: “GWA Infrastructure Improvements”; \$2,000,000 of 2020A proceeds were added to the CIP line item to address structural and functional improvements for various GWA facilities.¹⁴

MP-PW-PIPE-13: “2-Inch Pipe Replacement Program; \$800,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address old 2-Inch diameter galvanized pipe prone to leaks.¹⁵

MP-PW-WELL-01: “Well Rehabilitation Program”; \$1,900,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address source water improvements.¹⁶

WW 09-01: “Lift Station Upgrades”; \$800,000 of 2020A proceeds were added to the CIP line item and \$250,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address sewer pump station and force main improvements required under the pending USEPA Consent Decree.¹⁷

WW 09-01: “Wastewater Collection System Replacement/Rehabilitation”; \$250,000 of 2020A proceeds were added to the CIP line item and \$1,050,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address collection system improvements required under the pending USEPA Consent Decree.¹⁸

¹⁴ Id.

¹⁵ Id. at p. 3.

¹⁶ Id. at p. 4.

¹⁷ Id.

¹⁸ Id. at p. 5.

MP-WW-Pipe-01: "Gravity Pipe Rehabilitation/Replacement Program"; \$1,800,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address collection system improvements required under the pending USEPA Consent Decree.¹⁹

The ALJ has reviewed the proposed expenditures of the additional bond funds in Exhibit 1 hereto (Exhibit A to the Petition) and has compared them with the original expenditures indicated in the Schedule of Capital Projects submitted by GWA in GWA Docket 19-08, the Rate Case. The Schedule of Capital Projects filed in GWA Docket 19-08 is attached hereto as Exhibit "2".²⁰ Most of the projects with substantial cost increases for FY2020 and FY2021 are those with high funding totals between 2020 and 2024. In response to a request by the PUC ALJ, the Chief Financial Officer of GWA, Taling M. Taitano, has submitted reasonable explanations for the increases in the higher cost GWA bond funded projects.²¹

D. Precedent for Approval of Additional Bond Funds

A similar issue arose for approval of the use of additional bond proceeds with regard to the 2015 Bond issuance. There GWA sought PUC approval where it received \$11,569,463 more in net bond proceeds from the bond issuance than it had originally contemplated. The PUC approved GWA's petition for the use of such

¹⁹ Id.

²⁰ Exhibit 2, Schedule of Capital Projects-Water, Wastewater, Electrical and Miscellaneous, FY2019-2024, submitted as Exhibit D to the Rate filing by GWA in GWA Docket 19-08, filed July 6, 2019.

²¹ Email from GWA CFO Taling M. Taitano to PUC ALJ Fred Horecky, dated June 19, 2020, attached hereto as Exhibit "3".

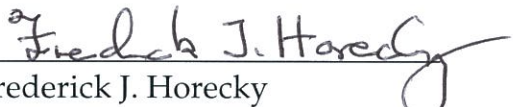
additional proceeds from the 2015 Bond Issuance for various specified bond projects.²²

CONCLUSION AND RECOMMENDATIONS

Based upon the review conducted herein, the ALJ recommends that the PUC approve GWA's request for the use of the additional \$14,664,270, in accordance with the allocations set forth in Exhibit 1 attached hereto (Exhibit A to the GWA Petition). These suggested allocations are an appropriate expenditure for the additional funds secured through the bond issuance.

A Proposed Order is submitted herewith for the Commissioners' consideration.

Respectfully submitted this 22nd day of June, 2020.



Frederick J. Horecky
Chief Administrative Law Judge

²² PUC Order, GWA Docket 16-02. Dated April 28, 2016, at p. 7.

EXHIBIT A - 2020 BOND-FUNDED CIP PROJECT TABLE

GWA Cat	Project #	Description	Series 2020A Funding Amount (\$000) April 2019 (CCU)					Series 2020A Funding Amount (\$000) June 2020			
			FY2019	FY2020	FY2021	FY2022		FY2020	FY2021	FY2022	
EE	EE 09-02	Electrical Upgrade - Water Wells		\$ 90				\$ 90			
EE	EE 09-04	Electrical Upgrade - Water Booster		\$ 150				\$ 150			
EE	EE 09-05	Electrical Upgrade - Other Water		\$ 100				\$ 100			
EE	EE 09-07	SCADA Improvements - Phase 2		\$ 45				\$ 45			
EE	EE 09-08	SCADA Improvements - Phase 3		\$ 25				\$ 25			
EE	MP-Gen-EE-01	SCADA Implementation Phase A2 - Initial Project Completion	\$ 1,000	\$ 1,000	\$ 2,250			\$ 2,000	\$ 2,250		
MISC	MP-Gen-Misc-01	GWA Systems Planning	\$ 500					\$ 550			
MISC	MP-Gen-Misc-02B	WRMP Update (Interim Update)		\$ 200				\$ 200			
MISC	MP-Gen-Misc-03	Surveying and Property Definition	\$ 250					\$ 250			
MISC	MP-Gen-Misc-04	Information Technology Improvements	\$ 200	\$ 200				\$ 1,650			
MISC	MP-Gen-Misc-05	GWA Infrastructure Improvements	\$ 500		\$ 2,000			\$ 500	\$ 2,000		
MISC	MP-Gen-Misc-06	GPWA Fleet Maintenance Facility	\$ 500					\$ 500			
MISC	MP-Gen-Misc-07	Mobile Equipment Replacement Program	\$ 400	\$ 400				\$ 800			
MISC	MP-Gen-Misc-08	General Plant Improvements	\$ 500	\$ 500				\$ 1,000			
MISC	MP-Gen-Misc-09	Security and Resilience Program	\$ 100	\$ 100				\$ 200			
PW	PW 05-06	Water Booster Pump Station			\$ 500				\$ 700		
PW	PW 05-09	Leak Detection							\$ 400		
PW	PW 05-10	Potable Water System Planning							\$ 400		
PW	PW 05-13	Deep Well Rehabilitation		\$ 350				\$ 350			
PW	PW 05-14	New Deep Wells at Down Hard		\$ 500				\$ 500			
PW	PW 05-15	Rehabilitation of Asan Springs		\$ 550				\$ 550			
PW	PW 09-01	Ugum Water Treatment Plant Intake	\$ 200					\$ 200	\$ 400		
PW	PW 09-02	Water Wells						\$ 500			
PW	PW 09-03	Water Distribution System Pipe Replacement and Upgrades		\$ 500	\$ 500	\$ 1,250		\$ 500	\$ 500	\$ 1,250	
PW	PW 09-11	Water System Reservoirs 2005 Improvements	\$ 17,000	\$ 8,000				\$ 25,100	\$ 800		
PW	PW 11-02	Ugum Water Treatment Plant Reservoir	\$ 7,500					\$ 7,500			
PW	PW 12-06	Tank Replacement Ptl & Hyundai	\$ 6,500					\$ 6,500			
PW	MP-PW-Pipe-04	Hyundai Well Piping	\$ 500					\$ 500			
PW	MP-PW-Pipe-05	Kaiser Zone Looping	\$ 300					\$ 300			
PW	MP-PW-Pipe-06	Mangilao Pressure Zone Realignment									
PW	MP-PW-Pipe-07	Mataguc BPS Suction Piping	\$ 300					\$ 300			
PW	MP-PW-Pipe-10	Miscellaneous Piping Projects		\$ 500				\$ 500			
PW	MP-PW-Pipe-11	Rehabilitation and Replacement Program	\$ 1,000	\$ 100	\$ 100			\$ 100	\$ 100		
PW	MP-PW-Pipe-12	2-Inch Pipe Replacement Program	\$ 1,550	\$ 180	\$ 800			\$ 2,230	\$ 1,000		
PW	MP-PW-Pipe-13	Valve Exercise, Repair, and Replacement Program	\$ 500	\$ 250	\$ 1,000			\$ 750	\$ 1,300		
PW	MP-PW-Pipe-16	Cross Island Highway Piping						\$ 250			
PW	MP-PW-Tank-22	Existing Tank Inspections	\$ 150		\$ 100			\$ 150	\$ 100		
PW	MP-PW-Tank-23	Recurring Tank Inspections		\$ 200	\$ 200			\$ 200	\$ 200		
PW	MP-PW-BPS-01	Rehabilitate and Replace BPS	\$ 209					\$ 309	\$ 100		
PW	MP-PW-BPS-02	Minitz Hill Upper BPS	\$ 48					\$ 48			
PW	MP-PW-SWTP-01	Ugum SWTP Intake Cleaning Project	\$ 380					\$ 380			
PW	MP-PW-SWTP-02	Ugum SWTP Intake Modifications	\$ 174	\$ 1,000				\$ 1,174			
PW	MP-PW-SWTP-03	Ugum SWTP Reliability Improvements	\$ 150	\$ 1,000				\$ 1,150			
PW	MP-PW-Well-01	Well Rehabilitation Program		\$ 200	\$ 1,500			\$ 300	\$ 3,300		
PW	MP-PW-Well-03	Capacity Enhancement - Well Exploration Program	\$ 500					\$ 500			

EXHIBIT A - 2020 BOND-FUNDED CIP PROJECT TABLE

GWA Cat	Project #	Description	Series 2020A Funding Amount (\$000) April 2019 (CCU)					Series 2020A Funding Amount (\$000) June 2020			
			FY2019	FY2020	FY2021	FY2022		FY2020	FY2021	FY2022	
PW	MP-PW-Well-05	Wellhead Protection Program		\$ 250				\$ 300			
PW	MP-PW-Well-06	Well Repair Program						\$ 950			
PW	MP-PW-Misc-01	South Guam Water Supply Study	\$ 500	\$ 250	\$ 250			\$ 100	\$ 250		
PW	MP-PW-Misc-02	Master Meter Implementation and Ongoing Meter Replacement	\$ 250	\$ 250	\$ 250			\$ 500	\$ 250		
PW	MP-PW-Misc-04	Oneguan Program						\$ 50	\$ 50		
PW	MP-PW-Misc-05	Leak Detection Assistance						\$ 150			
WW	WW 05-04	Wastewater System Planning		\$ 150				\$ 150			
WW	WW 09-01	Lift station upgrades						\$ 150			
WW	WW 09-06	Wastewater Collection System Repl/ Rehabilitation		\$ 100				\$ 350	\$ 1,050		
WW	MP-WW-Pipe-01	Gravity Pipe Rehabilitation/Replacement Program		\$ 170				\$ 170	\$ 1,800		
WW	MP-WW-Pipe-03	Route 1 Pitu Pipe Rehabilitation/Replacement	\$ 340					\$ 940			
WW	MP-WW-Pipe-04	Southern Link Pump Station Pipe Rehabilitation/Replacement	\$ 657					\$ 657			
WW	MP-WW-Pipe-17	Mamajanao Capacity Replacement		\$ 400				\$ 400	\$ 414		
WW	MP-WW-Pipe-26	Finle Drive Rehabilitation - Agat	\$ 63	\$ 750				\$ 813			
WW	MP-WW-Pipe-27	Septic/Cesspool System Reduction Program			\$ 350					\$ 350.27	
WW	MP-WW-MH-01	Manhole Rehabilitation/Replacement Program		\$ 350				\$ 350			
WW	MP-WW-FM-01	Force Main Rehabilitation/Replacement Program									
WW	MP-WW-FM-02	Replace Vigo Lift Station Force Main			\$ 100				\$ 100		
WW	MP-WW-FM-03	Route 1 Asan Force Main Rehabilitation/Replacement	\$ 2,124					\$ 2,124			
WW	MP-WW-FM-04	Hagafña WWP Force Main Rehabilitation/Replacement	\$ 5,000	\$ 1,500				\$ 6,600			
WW	MP-WW-Pump-01	Lift Station Rehabilitation/Replacement Program		\$ 1,420				\$ 1,820	\$ 6,500		
WW	MP-WW-Pump-02	Turnon Basin - Fujita Lift Station Analysis	\$ 1,000	\$ 5,000	\$ 3,000			\$ 6,600	\$ 3,000		
WW	MP-WW-Pump-03	Replacement of Former Navy Pump Station (Donut Hole)	\$ 100	\$ 1,201				\$ 1,301			
WW	MP-WW-WWTP-08	Northern District WWTP Completion			\$ 7,500				\$ 7,500		
WW	MP-WW-WWTP-09	Ocean Outfall Inspection Program									
WW	MP-WW-Misc-01B	Update Wastewater Collection System Model (Continued)						\$ 100			
WW	MP-WW-Misc-02	VI and SSES Assessments						\$ 50			
WW	MP-WW-Misc-03	Miscellaneous Wastewater Improvements	\$ 500					\$ 500			
WW	MP-WW-Misc-04	Fats, Oils, and Grease Study						\$ 50			
Subtotal by Fund Source			\$ 51,445	\$ 27,531	\$ 28,700	\$ 1,250		\$ 84,576	\$ 37,414	\$ 1,600	
Grand Total by Fund Source						\$ 108,926				\$ 123,590.27	



Guam Waterworks Authority
Schedule of Capital Projects - Water, Wastewater, Electrical and Miscellaneous
FY 2019-2024

CIP #	Project Name	2019 (x1000)	2020 (x1000)	2021 (x1000)	2022 (x1000)	2023 (x1000)	2024 (x1000)	Total (x1000)
WATER								
PW 05-01	Ground Water Disinfection	-	-	-	-	-	-	-
PW 05-03	Santa Rita Springs Booster Pump Rehab Phase II	-	-	-	-	-	-	-
PW 05-05	"A" Series Well Transmission Line	-	-	-	-	-	-	-
PW 05-06	Water Booster Pump Station	387	1,200	700	300	2,000	-	4,567
PW 05-07	Meter Replacement Program	1,426	-	-	-	-	-	1,426
PW 05-08	Barrigada Tank Repair/Replacement	0	-	-	-	-	-	0
PW 05-09	Leak Detection	100	-	500	-	-	100	700
PW 05-10	Potable Water System Planning	-	-	500	-	-	-	500
PW 05-11	Implement Ground Water Rule	-	-	-	-	-	-	-
PW 05-12	Brigade II (Ugum Lift) BPS Upgrade	1,568	-	-	-	-	-	1,568
PW 05-13	Deep Well Rehabilitation	6,140	1,538	-	-	-	-	11,678
PW 05-14	New Deep Wells at Down Hard	1,190	500	-	-	-	-	1,690
PW 05-15	Rehabilitation of Asan Springs	759	550	-	-	-	-	1,309
PW 05-16	Master Meters	2,000	-	-	-	-	-	2,000
PW 09-01	Ugum Water Treatment Plant Intake	200	-	500	500	-	-	1,200
PW 09-02	Water Wells	5,135	1,500	1,400	-	2,000	-	10,035
PW 09-03	Water Distribution System Pipe Replacement and Upgrades	2,153	500	1,000	2,250	1,750	2,250	9,903
PW 09-04	Pressure Zone Realignment / Development 2005 Improvements	400	561	-	-	-	650	1,611
PW 09-06	Central Water Distribution System 2005 Improvements	-	-	-	-	-	-	-
PW 09-08	Mechanical/Electrical Equipment	-	-	-	-	-	-	-
PW 09-09	Water Reservoir Internal/External	636	-	-	-	-	-	636
PW 09-10	Water Reservoir Internal/External	-	-	-	-	-	-	-
PW 09-11	Water System Reservoirs 2005 Improvements	57,000	10,891	1,000	1,000	1,000	-	70,891
PW 11-01	Distribution System Upgrade	-	-	-	-	-	-	-
PW 11-02	Ugum Water Treatment Plant Reservoir	7,500	-	-	-	-	-	7,500
PW 12-01	Water Audit Program & Water Loss Control Plan	160	-	-	-	-	-	160
PW 12-02	Production Plan / Reduce Navy Purchases	-	-	-	-	-	-	-
PW 12-03	Hydraulic Assessment of Tanks	-	-	-	-	-	-	-
PW 12-04	Agana Heights & Chaot Tanks	720	-	-	-	-	-	720
PW 12-05	Tank Major Repair Yigo #1, Mangilao #2, Astumbo #1	0	-	-	-	-	-	0
PW 12-06	Tank Replacement Piti & Hyundai	6,500	-	-	-	-	-	6,500
PW 12-07	Assessment/Replacement of Malojolj Elevated & Yigo Elevated	-	-	-	-	-	-	-
PW 12-08	Public Water System Asset Inventory/ Condition Assessment	-	-	-	-	-	-	-
PW 12-09	Fire Hydrant Replacement Program	1,200	-	-	500	-	500	2,200
PW 14-01	Astumbo Zone Piping	-	-	-	368	-	-	4,850
MP-PW-Pipe-01	Route 1 Astumbo Zone Piping	-	-	-	-	-	-	3,869
MP-PW-Pipe-02	Harmon Cliffline Piping to Route 1	-	-	-	-	-	-	424
MP-PW-Pipe-03		-	-	-	-	-	-	-

GUAM WATERWORKS AUTHORITY



Guam Waterworks Authority
Schedule of Capital Projects - Water, Wastewater, Electrical and Miscellaneous
FY 2019-2024

CIP #	Project Name	2019 (x1000)	2020 (x1000)	2021 (x1000)	2022 (x1000)	2023 (x1000)	2024 (x1000)	Total (x1000)
MP-PW-Pipe-04	Hyundai Well Piping	-	500	-	-	-	-	500
MP-PW-Pipe-05	Kaiser Zone Looping	-	300	-	-	-	-	300
MP-PW-Pipe-06	Mangilao Pressure Zone Realignment	-	300	-	-	-	-	300
MP-PW-Pipe-07	Mataguac BPS Suction Piping	-	-	500	-	-	-	500
MP-PW-Pipe-08	Nimitz Lower BPS Piping	-	-	-	-	121	1,469	1,590
MP-PW-Pipe-09	Yigo, Santa Rosa Zone Realignment	-	-	-	178	2,164	-	2,342
MP-PW-Pipe-10	Miscellaneous Piping Projects	-	100	100	694	-	-	2,342
MP-PW-Pipe-11	Miscellaneous Piping Connections	-	100	100	194	-	-	394
MP-PW-Pipe-12	Rehabilitation and Replacement Program	1,000	-	1,000	2,500	3,400	2,000	9,900
MP-PW-Pipe-13	2-Inch Pipe Replacement Program	1,550	1,180	1,200	1,750	1,750	1,750	9,180
MP-PW-Pipe-14	Asbestos Cement Pipe Replacement Program	-	-	-	3,850	3,850	3,850	11,550
MP-PW-Pipe-15	PRV Rehab and Replacement	500	500	1,450	1,000	1,468	1,468	6,386
MP-PW-Pipe-16	Valve Exercise, Repair, and Replacement Program	-	250	-	250	-	250	750
MP-PW-Pipe-17	Cross Island Highway Piping	-	-	-	-	-	-	-
MP-PW-Tank-22	Existing Tank Inspections	150	-	100	1,401	-	-	1,501
MP-PW-Tank-23	Recurring Tank Inspections	-	200	200	-	-	-	150
MP-PW-BPS-01	Rehabilitate and Replace BPSs	209	200	150	214	214	214	1,042
MP-PW-BPS-02	Nimitz Hill Upper BPS	48	-	-	150	150	150	1,009
MP-PW-BPS-03	Route 15 BPS	-	-	-	-	-	-	48
MP-PW-SWTP-01	Ugum SWTP River Intake Cleaning Project	380	-	-	-	-	86	86
MP-PW-SWTP-02	Ugum SWTP Intake Modifications	174	1,000	-	-	-	-	380
MP-PW-SWTP-03	Ugum SWTP Reliability Improvements	150	1,000	-	-	-	-	1,174
MP-PW-SWTP-04	Ugum SWTP 7-Year Improvement Project	-	-	-	-	-	-	1,150
MP-PW-Well-01	Well Rehabilitation Program	-	400	-	-	-	3,168	3,168
MP-PW-Well-02	Well Equipment Overhaul Program	-	-	3,500	2,308	5,368	440	12,016
MP-PW-Well-03	Capacity Enhancement - Well Exploration Program	500	-	-	1,000	-	1,518	2,518
MP-PW-Well-04	Capacity Enhancement - Well Development and Construction Prog	-	-	-	-	-	1,188	1,688
MP-PW-Well-05	Wellhead Protection Program	-	350	-	379	4,622	-	5,001
MP-PW-Well-06	Well Repair Program	-	500	-	-	660	-	1,010
MP-PW-Misc-01	South Guam Water Supply Study	-	200	250	1,000	1,274	1,274	4,798
MP-PW-Misc-02	Master Meter Implementation and Ongoing Meter Replacement	250	250	250	734	734	734	2,952
MP-PW-Misc-03	Hydrant Condition Assessment and Maintenance	-	-	-	970	970	970	2,910
MP-PW-Misc-04	OneGuam Program	-	50	50	50	50	50	250
MP-PW-Misc-05	Leak Detection Assistance	-	250	-	-	-	-	250
MP-PW-Misc-05	Rehabilitation and New NGLA Monitoring Wells	-	4,000	-	-	-	-	4,000
DoD-3		-	-	-	-	-	-	-
	TOTAL WATER PROJECTS	\$ 100,586	\$ 28,870	\$ 14,450	\$ 27,540	\$ 38,996	\$ 27,403	\$ 237,845

Guam Waterworks Authority
Schedule of Capital Projects - Water, Wastewater, Electrical and Miscellaneous
FY 2019-2024

CIP #	Project Name	2019 (x1000)	2020 (x1000)	2021 (x1000)	2022 (x1000)	2023 (x1000)	2024 (x1000)	Total (x1000)
WASTEWATER								
WW 05-04	Wastewater System Planning							150
WW 09-01	Lift station upgrades	1,750	1,200	1,000	-	2,000	2,291	8,241
WW 09-02	Moratorium	-	-	-	-	-	-	-
WW 09-06	Wastewater Collection System Repl/ Rehabilitation	1,087	2,000	2,000	-	2,000	2,000	9,087
WW 09-08	Facilities Plan/Design/Interim for Baza Gardens STP Impr.	-	-	-	-	-	-	-
WW 09-10	Facilities Plan/Design/Interim for Agat-Santa Rita STP Impr.	-	-	-	-	-	-	-
WW 09-11	WWTP Priority 1 Upgrades	1,000	-	-	-	-	-	1,000
WW 11-03	Baza Gardens STP Replacement	366	-	550	-	-	-	916
WW 11-04	Facilities Plan/Design/Interim for Umatac-Merizo STP Impr.	-	-	-	-	-	-	-
WW 11-08	Agat/ Santa Rita STP Replacement	394	-	-	-	-	-	394
WW 12-01	Northern District WWTP Primary Treatment Upgrades	186	-	-	-	-	-	186
WW 12-02	Bio Solids Management Plan	-	-	-	-	-	-	-
WW 12-03	Agana WWTP Interim Measures	-	-	-	-	-	-	-
WW 12-04	I&I SSES Southern	-	-	-	-	-	-	-
WW 12-05	I&I SSES Central	-	-	-	-	-	-	-
WW 12-06	I&I SSES Northern	-	-	-	-	-	-	-
WW 12-07	Umatac Merizo STP Replacement	1,083	-	-	-	-	-	1,083
WW 12-09	Wastewater Facility Back Up Power	1,000	-	-	-	-	-	1,000
WW 17-01	Wastewater Sewer System Expansion	52	-	-	-	-	-	52
MP-WW-Pipe-01	Northern District WWTP Secondary Treatment Upgrades	-	170	2,000	-	750	6,186	14,452
MP-WW-Pipe-02	Gravity Pipe Rehabilitation/Replacement Program	-	-	-	5,346	3,218	-	3,629
MP-WW-Pipe-03	Barrigada Pump Station Pipe Rehabilitation/Replacement	340	-	-	411	-	-	2,340
MP-WW-Pipe-04	Route 1 Pit Pipe Rehabilitation/Replacement	657	2,000	-	-	-	-	657
MP-WW-Pipe-05	Southern Link Pump Station Pipe Rehabilitation/Replacement	-	-	-	169	-	-	2,669
MP-WW-Pipe-06	Agana Heights Pipe Replacement	-	-	-	-	2,500	1,169	1,169
MP-WW-Pipe-07	Northern District Route 1 Capacity Replacement - Phase 1	-	-	-	-	-	-	-
MP-WW-Pipe-08	Northern District Route 1 Capacity Replacement - Phase 2	-	-	-	-	-	-	-
MP-WW-Pipe-09	Northern District Route 1 Capacity Replacement - Phase 3	-	-	-	-	-	-	-
MP-WW-Pipe-10	North Dededo Capacity Replacement - Phase 1	-	-	-	-	-	-	-
MP-WW-Pipe-11	North Dededo Capacity Replacement - Phase 2	-	-	-	-	-	-	-
MP-WW-Pipe-12	Route 16 Capacity Replacement	-	-	-	-	-	571	571
MP-WW-Pipe-13	Barrigada Capacity Replacement	-	-	-	-	-	47	47
MP-WW-Pipe-14	Mangilao Capacity Replacement	-	-	-	-	-	-	-
MP-WW-Pipe-15	Dededo Capacity Replacement	-	-	-	-	-	-	-
MP-WW-Pipe-16	Yigo Capacity Replacement	-	-	-	-	-	-	-
MP-WW-Pipe-17	Mamajanao Capacity Replacement	-	400	1,300	2,574	-	-	4,274
MP-WW-Pipe-18	Agat-Santa Rita Capacity Replacement - Phase 1	-	-	-	-	-	-	-



Guam Waterworks Authority
Schedule of Capital Projects - Water, Wastewater, Electrical and Miscellaneous
FY 2019-2024

CIP #	Project Name	2019 (x1000)	2020 (x1000)	2021 (x1000)	2022 (x1000)	2023 (x1000)	2024 (x1000)	Total (x1000)
MP-WWW-Pipe-19	Agat-Santa Rita Capacity Replacement - Phase 2	-	-	-	-	-	-	-
MP-WWW-Pipe-20	Agat-Santa Rita Capacity Replacement - Phase 3	-	-	-	-	-	-	-
MP-WWW-Pipe-21	Baza Gardens Capacity Replacement - Phase 1	-	-	-	-	-	320	320
MP-WWW-Pipe-22	Baza Gardens Capacity Replacement - Phase 2	-	-	-	-	-	-	-
MP-WWW-Pipe-23	Baza Gardens Capacity Replacement - Phase 3	-	-	-	-	-	-	-
MP-WWW-Pipe-24	Umatac-Merizo Capacity Replacement	-	-	-	-	-	207	207
MP-WWW-Pipe-25	Piping Near Bayside Lift Station	-	-	2,000	-	250	-	2,250
MP-WWW-Pipe-26	Finlie Drive Rehabilitation - Agat	63	750	-	-	-	-	813
MP-WWW-Pipe-27	Septic/Cesspool System Reduction Program	-	-	-	350	3,000	5,238	8,588
MP-WWW-WH-01	Manhole Rehabilitation Program	-	350	-	350	-	350	1,050
MP-WWW-FM-01	Force Main Rehabilitation/Replacement Program	-	-	100	1,458	-	120	1,678
MP-WWW-FM-02	Replace Yigo Lift Station Force Main	-	-	200	1,829	-	-	2,029
MP-WWW-FM-03	Route 1 Asan Force Main Rehabilitation/Replacement	2,124	-	-	-	-	-	2,124
MP-WWW-FM-04	Hagåtña WWTP Force Main Rehabilitation/Replacement	5,000	1,689	-	-	-	-	6,689
MP-WWW-Pump-01	Lift Station Rehabilitation/Replacement	-	2,120	6,500	982	6,124	2,420	18,146
MP-WWW-Pump-02	Tumon Basin - Fujita Lift Station Analysis	1,000	6,923	3,000	-	-	-	10,923
MP-WWW-Pump-03	Replacement of Former Navy Pump Station (Donut Hole)	100	1,201	-	-	-	-	1,301
MP-WWW-WWTP-01	Hagåtña WWTP Primary Treatment Repair/Rehabilitation Program	-	-	-	-	-	-	-
MP-WWW-WWTP-02	Hagåtña WWTP Secondary Treatment Upgrade	-	-	-	-	-	-	-
MP-WWW-WWTP-03	Inarañan WWTP Repair/Rehabilitation Program	-	-	-	-	-	-	-
MP-WWW-WWTP-04	Pago Socio WWTP Pump Station Conversion	-	-	-	1,700	-	-	2,700
MP-WWW-WWTP-05	Umatac-Merizo WWTP Repair/Rehabilitation Program	-	-	-	-	1,000	-	-
MP-WWW-WWTP-06	Agat-Santa Rita WWTP Repair/Rehabilitation Program	-	-	-	-	-	-	-
MP-WWW-WWTP-07	Northern District WWTP Completion	-	-	-	-	-	-	-
MP-WWW-WWTP-08	Baza Gardens Cross Island Pipeline-Prelim Eqp't Repair & Rehab	-	-	-	-	-	-	-
MP-WWW-WWTP-09	Ocean Outfall Inspection Program	-	-	7,500	7,800	-	-	15,300
MP-WWW-Misc-01A	Update Wastewater Collection System Model (Major Update)	-	150	-	-	-	-	150
MP-WWW-Misc-01B	Update Wastewater Collection System Model (Continued)	-	-	-	100	-	200	400
MP-WWW-Misc-02	II and SSES Assessments	-	100	-	-	-	-	550
MP-WWW-Misc-03	Miscellaneous Wastewater Improvements	500	150	200	1,000	400	-	2,700
MP-WWW-Misc-04	Fats, Oils, and Grease Study	-	150	-	-	1,000	-	150
DoD-01	NDVWWTP Secondary Treatment Capacity 12MGD	110,000	2,500	-	-	-	-	112,500
DoD-02	Northern Systems Wastewater System	-	6,000	-	-	-	-	6,000
TOTAL WASTEWATER PROJECTS		\$ 126,703	\$ 28,003	\$ 26,350	\$ 24,069	\$ 22,242	\$ 21,119	\$ 248,486

Guam Waterworks Authority
Schedule of Capital Projects - Water, Wastewater, Electrical and Miscellaneous
FY 2019-2024

CIP #	Project Name	2019 (x1000)	2020 (x1000)	2021 (x1000)	2022 (x1000)	2023 (x1000)	2024 (x1000)	Total (x1000)
ELECTRICAL								
EE 05-02	SCADA Pilot Project	-	-	-	-	-	-	-
EE 09-01	Wastewater Pumping Station Electrical Upgrade	-	-	-	-	-	-	-
EE 09-02	Electrical Upgrade - Water Wells	-	90	-	-	-	-	90
EE 09-03	Electrical Upgrade - Water Booster	-	-	-	-	-	-	-
EE 09-04	Electrical Upgrade - Water Booster	-	150	-	-	-	-	150
EE 09-05	Electrical Upgrade - Other Water	-	100	-	-	-	-	100
EE 09-07	SCADA Improvements - Phase 2	-	45	-	-	-	-	45
EE 09-08	SCADA Improvements - Phase 3	275	125	-	-	-	-	400
EE 09-09	SCADA Improvements - Phase 4	434	-	-	-	-	-	434
MP-Gen-EE-01	SCADA Implementation Phase A2 - Initial Project Completion	1,000	1,000	2,600	1,500	2,600	2,600	11,300
MP-Gen-EE-02	SCADA Implementation Phase B - Additional Sites	-	-	-	-	-	-	-
MP-Gen-EE-03	SCADA Implementation Phase C - Additional Instruments	-	-	-	-	-	-	-
MP-Gen-EE-04	SCADA System Improvement Program	-	-	-	-	-	330	330
TOTAL ELECTRICAL PROJECTS		1,710	1,510	2,600	1,500	3,200	5,530	16,050
MISCELLANEOUS								
MC 05-01	Laboratory Modernization	-	-	-	-	-	-	-
MC 05-02	Land Survey	-	-	-	-	-	-	-
MC 09-01	General Plant Improvements / Water	47	-	-	500	800	1,000	2,447
MC 15-01	Information Technology Intergration Improvements	256	-	100	100	500	500	1,856
MP-Gen-Misc-01	GWA Systems Planning	500	200	500	100	250	1,000	2,550
MP-Gen-Misc-02A	WRMP Update (Comprehensive Update)	-	-	-	100	-	-	100
MP-Gen-Misc-02B	WRMP Update (Interim Update)	-	200	-	-	-	-	200
MP-Gen-Misc-03	Surveying and Property Delineation	250	-	250	-	250	-	750
MP-Gen-Misc-04	Information Technology Improvements	200	5,200	200	100	100	200	6,000
MP-Gen-Misc-05	GWA Infrastructure Improvements	500	-	2,000	-	250	-	2,750
MP-Gen-Misc-06	GPWA Fleet Maintenance Facility	500	-	-	-	-	-	500
MP-Gen-Misc-07	Mobile Equipment Replacement Program	400	400	200	100	100	400	1,600
MP-Gen-Misc-08	General Plant Improvements	500	500	500	200	200	500	2,400
MP-Gen-Misc-09	Security and Resilience Program	100	100	100	100	100	100	600
TOTAL MISCELLANEOUS PROJECTS		3,253	6,600	3,950	1,700	2,550	3,700	21,753
GRAND TOTAL		232,251	64,983	47,350	54,809	65,988	57,752	524,133

Fred Horecky

From: tmtaitano@guamwaterworks.org
Sent: Friday, June 19, 2020 4:20 PM
To: 'Fred Horecky'
Cc: Miguel Bordallo; Thomas Franklin Cruz; Kelly Clark
Subject: Bond funded projects
Attachments: Exhibit D3 CIP List.pdf

Hafa Adai! The list of CIPs in the 5 year plan was part of the initial rate filing. I have attached a copy for your convenience. I noted the following (Tom please correct me if I misinterpreted):

MP-Gen-Misc-04 IT Improvements (page 52 of the Rate Filing) – there were \$5.2M originally scheduled to be funded by a combination of grant funding and PayGo in FY2020. However, because of the reduced revenues, GWA has identified additional portions of this project to be funded with bond proceeds

MP-PW-Pipe-13 2-Inch Pipe Replacement (page 49 of the Rate Filing) – there were \$76.3M identified to be funded between FY20 – FY24. We have accelerated the project and identified additional portions to be funded with bond proceeds.

MP-PW-Pipe-15 PRV (pressure relief valve) Rehab and Replacement (page 49 of the Rate Filing) – there were \$5.886M identified to be funded between FY20-FY24. The amount funded in FY20 was increased, the project accelerated to FY21 from FY22 and bond proceeds were used to fund additional portions of the project.

MP-PW-Well-01 Well Rehab (page 49 of the Rate Filing) - \$12.016M have been identified to be funded for this project over the FY20-FY24 period. Bond proceeds are identified to fund additional portions of the project.

MP-WW-Pipe-01 Gravity Pipe Rehab/Replacement (page 50 of Rate Filing) - \$14.452M were identified to be funded over the FY20-FY24 period. Additional bond proceeds will be used to fund a portion of this project in FY21.

MP-WW-Pump-01 Lift Station Rehab/Replacement – (page 51 of Rate Filing) - \$18.146M of this project was to be funded over the FY20-FY24 period. GWA has identified bond funding to replace Paygo in FY20

Let me know if I missed any of the projects you had questions about. Always happy to assist.

Again, have a great weekend.



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