



**RESOLUTION NO. 29-FY2020**

**RELATIVE TO APPROVING THE GUAM WATERWORKS AUTHORITY'S "2020-2024 CAPITAL IMPROVEMENT PLAN (CIP) SUPPLEMENT"**

**WHEREAS**, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities ("CCU") has plenary authority over financial, contractual and policy matters relative to the Guam Waterworks Authority ("GWA"); and

**WHEREAS**, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

**WHEREAS**, the CCU previously approved via Resolution No. 20-FY2019 the 2020-2024 Capital Improvements Plan ("CIP"), which planned capital projects with expenditures coming from the 2020 bond issuance in the amount of One Hundred Eight Million Nine Hundred Twenty-Six Thousand Dollars (\$108,926,000.00); and

**WHEREAS**, the petition to the Public Utilities Commission also reflected a 2020 Bond funding plan of One Hundred Eight Million Nine Hundred Twenty-Six Thousand Dollars (\$108,926,000.00); and

**WHEREAS**, on June 4, 2020 GWA closed on the 2020A bond issuance that provided net proceeds for construction funds to the capital improvement projects in the amount of One Hundred Twenty-Three Million Five Hundred Ninety Thousand Two Hundred Sixty-Eight Dollars and Sixty Five Cents (\$123,590,268.65) which is an additional Fourteen Million Six Hundred Sixty-Four Thousand Two Hundred Sixty-Eight Dollars and Sixty-Five Cents (\$14,664,268.65) above what was planned to acquire for the construction funds from the 2015 Bond proceeds; and

1           **WHEREAS**, due to the additional 2020A bond proceeds that GWA was able to  
2 acquire, the 2020-2024 CIP as previously approved does not reflect this fact and as such  
3 GWA management requests approval by the CCU relative to the distribution of the additional  
4 proceeds within the CIP; and

5  
6           **WHEREAS**, the “Series 2020A Bond Supplement” (see Exhibit A) maintains the  
7 same capital line items as the previously approved 2020-2024 CIP, however the changes to  
8 the CIP line items are as follows 1) some of the additional 2020A Bond proceeds realized  
9 were used where planned Internally Funded CIP (IFCIP) allotments were identified given  
10 that GWA revenues are anticipated to drop due to economic challenges from the recent  
11 global pandemic and 2) some CIP line items with 2020 allotments received additional  
12 funding; and

13  
14           **WHEREAS**, the CIP line items that experienced fund allotment changes to the  
15 2020A bond proceeds are as follows:

- 16           • MP-Gen-Misc-01 “GWA Systems Planning”: \$50,000 of 2020A proceeds  
17 were added in lieu of IFCIP funding allotment to address water and  
18 wastewater system capital improvements;
- 19           • MP-Gen-Misc-03 “Surveying and Property Delineation”: \$250,000 of 2020A  
20 proceeds were added to the CIP line item to address property ownership where  
21 GWA facilities exist as a means to validate GWA asset value;
- 22           • MP-Gen-Misc-04 “Information Technology Improvements”: \$1,250,000 of  
23 2020A proceeds were added in lieu of IFCIP funding allotment to address  
24 GWA Information Technology hardware and software needs to improve  
25 service to customers;
- 26           • MP-Gen-Misc-05 “GWA Infrastructure Improvements”: \$2,000,000 of  
27 2020A proceeds were added to the CIP line item to address structural and  
28 functional improvements are various GWA facilities;
- 29           • MP-Gen-Misc-06 “GPWA Fleet Maintenance Facility”: \$500,000 of 2020A  
30 proceeds were added to the CIP line item to address structural and functional  
31 improvements at GWA’s heavy equipment repair facility;

- 1 • MP-Gen-Misc-09 “Security and Resilience Program”: \$100,000 of 2020A  
2 proceeds were added to the CIP line item to address security improvements  
3 for GWA asset and facilities;
- 4 • PW 05-06 “Water Booster Pump Station”: \$200,000 of 2020A proceeds were  
5 added in lieu of IFCIP funding allotment to address service reliability to area’s  
6 served by a BPS.
- 7 • PW 05-09 “Leak Detection”: \$400,000 of 2020A proceeds were added in lieu  
8 of IFCIP funding allotment to address non-revenue water loss.
- 9 • PW 05-10 “Potable Water System Planning”: \$400,000 of 2020A proceeds  
10 were added in lieu of IFCIP funding allotment to address design services for  
11 the water system;
- 12 • PW 09-01 “Ugum Water Treatment Plant Intake”: \$200,000 of 2020A  
13 proceeds were added to the CIP line item and \$400,000 of 2020A proceeds  
14 were added in lieu of IFCIP funding allotment to address the intake structure  
15 improvements within the river;
- 16 • PW 09-02 “Water Wells”: \$500,000 of 2020A proceeds were added to the  
17 CIP line item to address source water improvements;
- 18 • PW 09-11 “Water System Reservoirs 2005 Improvements”: \$900,000 of  
19 2020A proceeds were added in lieu of IFCIP funding allotment to address  
20 court order projects related to GWA’s reservoirs.
- 21 • MP-PW-Pipe-13 “2-Inch Pipe Replacement Program”: \$800,000 of 2020A  
22 proceeds were added in lieu of IFCIP funding allotment to address old 2-Inch  
23 diameter galvanized pipe prone to leaks;
- 24 • MP-PW-Pipe-15 “PRV Rehab and Replacement”: \$550,000 of 2020A  
25 proceeds were added in lieu of IFCIP funding allotment to improve pressure  
26 zone management as one of the means of reducing water loss;
- 27 • MP-PW-BPS-01 “Rehabilitate and Replace BPSs”: \$200,000 of 2020A  
28 proceeds were added in lieu of IFCIP funding allotment to service reliability  
29 to area’s served by a BPS.
- 30 • MP-PW-SWTP-01 “Ugum SWTP Intake Cleaning Project”: \$380,000 of  
31 2020A proceeds were added to the CIP line address the intake structure  
32 improvements within the river;

- 1 • MP-PW-SWTP-02 “Ugum SWTP Intake Modifications”: \$174,000 of 2020A  
2 proceeds were added to the CIP line address the intake structure  
3 improvements within the river;
- 4 • MP-PW-SWTP-03 “Ugum SWTP Reliability Improvements”: \$150,000 of  
5 2020A proceeds were added to the CIP line address the overall plant  
6 improvements;
- 7 • MP-PW-Well-01 “Well Rehabilitation Program”: \$1,900,000 of 2020A  
8 proceeds were added in lieu of IFCIP funding allotment to address source  
9 water improvements;
- 10 • MP-PW-Well-03 “Capacity Enhancement – Well Exploration Program”:  
11 \$500,000 of 2020A proceeds were added to the CIP line address source water  
12 improvements;
- 13 • MP-PW-Well-05 “Wellhead Protection Program”: \$50,000 of 2020A  
14 proceeds were added in lieu of IFCIP funding allotment to address source  
15 water protection measures;
- 16 • MP-PW-Well-06 “Well Repair Program”: \$500,000 of 2020A proceeds were  
17 added to the CIP line item and \$200,000 of 2020A proceeds were added in  
18 lieu of IFCIP funding allotment to address service reliability of GWA’s  
19 production wells;
- 20 • MP-PW-Misc-01 “South Guam Water Supply Study”: \$100,000 of 2020A  
21 proceeds were added in lieu of IFCIP funding allotment to address source  
22 water reliability for the villages of Umatac and Merizo;
- 23 • MP-PW-Misc-04 “OneGuam Program”: \$100,000 of 2020A proceeds were  
24 added in lieu of IFCIP funding allotment to address future grow needs related  
25 to DoD expansion.
- 26 • MP-PW-Misc-05 “Leak Detection Assistance”: \$150,000 of 2020A proceeds  
27 were added in lieu of IFCIP funding allotment to address non-revenue water  
28 loss;
- 29 • WW 09-01 “Lift station upgrades”: \$800,000 of 2020A proceeds were added  
30 to the CIP line item and \$250,000 of 2020A proceeds were added in lieu of  
31 IFCIP funding allotment to address sewer pump station and force main  
32 improvements required under the pending USEPA Consent Decree;

- 1 • WW 09-01 “Wastewater Collection System Repl/ Rehabilitation”: \$250,000  
2 of 2020A proceeds were added to the CIP line item and \$1,050,000 of 2020A  
3 proceeds were added in lieu of IFCIP funding allotment to address collection  
4 system improvements required under the pending USEPA Consent Decree;
- 5 • MP-WW-Pipe-01 “Gravity Pipe Rehabilitation/Replacement Program”:  
6 \$1,800,000 of 2020A proceeds were added in lieu of IFCIP funding allotment  
7 to address collection system improvements required under the pending  
8 USEPA Consent Decree;
- 9 • MP-WW-Pipe-03 “Route 1 Piti Pipe Rehabilitation/Replacement”: \$600,000  
10 of 2020A proceeds were added in lieu of IFCIP funding allotment to address  
11 collection system improvements required under the pending USEPA Consent  
12 Decree;
- 13 • MP-WW-Pipe-17 “Mamajanao Capacity Replacement”: \$414,000 of 2020A  
14 proceeds were added in lieu of IFCIP funding allotment to address sewer  
15 pump station capacity improvements;
- 16 • MP-WW-FM-04 “Hagåtña WWTP Force Main Rehabilitation/Replacement”:  
17 \$100,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to  
18 address force main improvements required under the pending USEPA  
19 Consent Decree;
- 20 • MP-WW-Pump-01 “Lift Station Rehabilitation/Replacement Program”:  
21 \$400,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to  
22 address sewer pump station and force main improvements required under the  
23 pending USEPA Consent Decree;
- 24 • MP-WW-Pump-02 “Tumon Basin - Fujita Lift Station Analysis”: \$600,000 of  
25 2020A proceeds were added in lieu of IFCIP funding allotment to address  
26 sewer pump station and force main improvements required under the pending  
27 USEPA Consent Decree;
- 28 • MP-WW-WWTP-09 “Ocean Outfall Inspection Program”: \$100,000 of  
29 2020A proceeds were added in lieu of IFCIP funding allotment to address  
30 outfall pipe improvements needs;
- 31 • MP-WW-Misc-01B “Update Wastewater Collection System Model  
32 (Continued)”: \$50,000 of 2020A proceeds were added in lieu of IFCIP

1 funding allotment to address collection system CIP planning needs associated  
2 with I&I reduction;

- 3 • MP-WW-Misc-02 “I/I and SSES Assessments”: \$50,000 of 2020A proceeds  
4 were added in lieu of IFCIP funding allotment to address I&I reduction;
- 5 • MP-WW-Misc-03 “Miscellaneous Wastewater Improvements”: \$500,000 of  
6 2020A proceeds were added to the CIP line item to address collection system  
7 design improvement requirements as well as CIP infrastructure upgrade;
- 8 • MP-WW-Misc-04 “Fats, Oils, and Grease Study”: \$50,000 of 2020A  
9 proceeds were added in lieu of IFCIP funding allotment to address collection  
10 system reliability and I&I reduction;

11  
12 **WHEREAS**, the “2020-2024 CIP Supplement” shall serve as a bridging document  
13 until the annual CIP update occurs at the beginning of each fiscal year; and

14  
15 **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on  
16 Utilities does hereby approve and authorize the following:

- 17 1. The recitals set forth above hereby constitute the findings of the CCU.
- 18 2. The 2020-2025 CIP Supplement attached as Exhibit A is incorporated into  
19 this resolution in its entirety.
- 20 3. The CCU approves the “2020-2024 CIP Supplement” in its entirety and  
21 concurs with the distribution of the additional funds acquired during the  
22 closing of the 2020 Bond issuance.
- 23 4. The CCU further authorizes GWA management to submit the “2020-2024  
24 CIP Supplement” to the PUC for their records and petition the PUC’s  
25 approval to begin using the 2020 bond proceeds.

26  
27 **RESOLVED**, that the Chairman certified and the Board Secretary attests to the  
28 adoption of this Resolution.

29 //

30  
31 //

1 **DULY AND REGULARLY ADOPTED AND APPROVED** this 23<sup>rd</sup> day of June,  
2 2020.

3  
4 Certified by:

5 

6 **JOSEPH T. DUENAS**  
7 Chairperson

4 Attested by:

5 

6 **MICHAEL T. LIMTIACO**  
7 Secretary

8  
9  
10 **SECRETARY'S CERTIFICATE**

11  
12 I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on Utilities  
13 as evidenced by my signature above do hereby certify as follows:

14 The foregoing is a full, true and accurate copy of the resolution duly adopted at a  
15 regular meeting by the members of the Guam Consolidated Commission on Utilities,  
16 duly and legally held at a place properly noticed and advertised at which meeting a  
17 quorum was present and the members who were present voted as follows:

18 AYES: 5  
19  
20 NAYS: 0  
21  
22 ABSENT: 0  
23  
24 ABSTAIN: 0

25 ///

26 ///

27 ///

28 ///



**EXHIBIT A - SERIES 2020A BONDS SUPPLEMENT**

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 Delineation	\$ 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 Piti & 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	\$ 300				\$ 300		
PW	MP-PW-Pipe-07	Mataguac BPS Suction Piping			\$ 500			\$ 500	
PW	MP-PW-Pipe-10	Miscellaneous Piping Projects		\$ 100	\$ 100		\$ 100	\$ 100	
PW	MP-PW-Pipe-11	Miscellaneous Piping Connections		\$ 100	\$ 100		\$ 100	\$ 100	
PW	MP-PW-Pipe-12	Rehabilitation and Replacement Program	\$ 1,000		\$ 1,000		\$ 1,000	\$ 1,000	
PW	MP-PW-Pipe-13	2-Inch Pipe Replacement Program	\$ 1,550	\$ 180	\$ 800		\$ 2,230	\$ 1,100	
PW	MP-PW-Pipe-15	PRV Rehab and Replacement	\$ 500		\$ 1,000		\$ 750	\$ 1,300	
PW	MP-PW-Pipe-16	Valve Exercise, Repair, and Replacement Program		\$ 250			\$ 250		
PW	MP-PW-Pipe-17	Cross Island Highway Piping			\$ 100			\$ 100	
PW	MP-PW-Tank-22	Existing Tank Inspections	\$ 150				\$ 150		
PW	MP-PW-Tank-23	Recurring Tank Inspections		\$ 200	\$ 200		\$ 200	\$ 200	
PW	MP-PW-BPS-01	Rehabilitate and Replace BPSs	\$ 209				\$ 309	\$ 100	
PW	MP-PW-BPS-02	Nimitz 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	



**EXHIBIT A - SERIES 2020A BONDS SUPPLEMENT**

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-03	Capacity Enhancement – Well Exploration Program	\$ 500				\$ 500		
PW	MP-PW-Well-05	Wellhead Protection Program		\$ 250			\$ 300		
PW	MP-PW-Well-06	Well Repair Program	\$ 500	\$ 250	\$ 250		\$ 950	\$ 250	
PW	MP-PW-Misc-01	South Guam Water Supply Study					\$ 100		
PW	MP-PW-Misc-02	Master Meter Implementation and Ongoing Meter Replacement	\$ 250	\$ 250	\$ 250		\$ 500	\$ 250	
PW	MP-PW-Misc-04	OneGuam Programxx					\$ 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						\$ 1,050	
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 Piti 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	Finile 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 Program		\$ 350			\$ 350		
WW	MP-WW-FM-01	Force Main Rehabilitation/Replacement Program			\$ 100			\$ 100	
WW	MP-WW-FM-02	Replace Yigo Lift Station Force Main			\$ 200			\$ 200	
WW	MP-WW-FM-03	Route 1 Asan Force Main Rehabilitation/Replacement	\$ 2,124				\$ 2,124		
WW	MP-WW-FM-04	Hagåtña WWTP Force Main Rehabilitation/Replacement	\$ 5,000	\$ 1,500			\$ 6,600		
WW	MP-WW-Pump-01	Lift Station Rehabilitation/Replacement Program		\$ 1,420	\$ 6,500		\$ 1,820	\$ 6,500	
WW	MP-WW-Pump-02	Tumon 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					\$ 100		
WW	MP-WW-Misc-01B	Update Wastewater Collection System Model (Continued)					\$ 50		
WW	MP-WW-Misc-02	I/I 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
<b>Grand Total by Fund Source</b>						<b>\$ 108,926</b>			<b>\$ 123,590.27</b>