



RESOLUTION NO. 31-FY2020

**RELATIVE TO APPROVAL OF THE 2010, 2013 AND 2016
BOND PROCEEDS REALLOCATION**

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, GWA management intends to expend unobligated 2010, 2013 and 2016 Bond proceeds in an effort to maintain compliance with bond indenture requirements by reallocating said bond proceeds to on-going or active CIP projects; and

WHEREAS, the PUC required via GWA Docket 19-08 “FY20 Rate Decision” that GWA establish a Water Loss Reduction Program to improve the utility’s water loss in an effort to save on operating cost; and

WHEREAS, GWA is currently in negotiations with USEPA for a “Consent Decree” (CD) relative to wastewater system improvements at GWA sewer pump stations (SPS), force mains and gravity lines and as such GWA intends to focus engineering and financial resources to meet the anticipated CD priorities; and

WHEREAS, GWA finance has reconciled as of May 31, 2020 the 2010, 2013 and 2016 Bonds Capital Improvements Project (CIP) accounts and has determined there are several CIP line items with a remaining balance under the “Unobligated Project Cost” totaling Three Million Seven Hundred Seventeen Thousand Five Hundred Sixty-Eight Dollars (\$3,717,568.00) (See

1 Exhibit A), Four Million One Hundred Twenty Thousand Five Hundred Thirty-Three Dollars
2 (\$4,120,533.00) (See Exhibit B), Seventeen Million Seven Hundred Forty-One Thousand Six
3 Hundred Seventy Dollars (\$17,741,670.00) (See Exhibit C), respectively; and
4

5 **WHEREAS**, GWA management seeks to reallocate Seven Hundred Eighty-Three
6 Thousand Seven Hundred Sixteen Dollars (\$783,716.00) of the 2010 Bond proceeds from
7 various CIP line items to the CIP line items PW 09-01 "Ugum Water Treatment Plant Intake",
8 PW 09-03 "Water Distribution System Pipe Replacement and Upgrades", and PW 12-01 "Water
9 Audit Program & Water Loss Control Plan" (See Exhibit D); and
10

11 **WHEREAS**, GWA management further seeks to reallocate One Million Sixty-Six
12 Thousand Four Dollars (\$1,066,004.00) of 2013 Bond proceeds from various CIP line items to
13 the CIP line item WW 09-01 "Lift station upgrades" (See Exhibit E); and
14

15 **WHEREAS**, GWA management further seeks to reallocate Two Million Seven Hundred
16 One Thousand Eight Hundred Seventy-Seven Dollars (\$2,701,877.00) of 2016 Bond proceeds
17 from various CIP line items to the CIP line items PW 09-01 "Ugum Water Treatment Plant
18 Intake", PW 09-03 "Water Distribution System Pipe Replacement and Upgrades", WW 09-01
19 "Lift station upgrades", WW 09-06 "Wastewater Collection System Repl/Rehab" and MP-Gen-
20 Misc-05 "GWA Infrastructure Improvements" (See Exhibit F); and
21

22 **WHEREAS**, the reallocation of the 2010, 2013 and 2016 Bond as described above has
23 caused the Capital Improvement Plan to be adjusted (See Exhibit G) to reflect the movement of
24 funding as well as allow for CIP line items that had projected shortages in bond funding to
25 reduce future bond borrowing for that CIP line item due to this reallocation; and
26

27 **WHEREAS**, GWA management seeks CCU approval to petition the PUC for approval
28 to reallocate the 2010, 2013 and 2016 bond as indicated above; and
29

30 **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities
31 does hereby approve and authorize the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the justification for the 2010, 2013 and 2016 bond reallocation to be acceptable.
3. The CCU hereby approves Seven Hundred Eighty-Three Thousand Seven Hundred Sixteen Dollars (\$783,716.00) of 2010 Bond proceeds from various CIP line items to be reallocated to the CIP line items PW 09-01 "Ugum Water Treatment Plant Intake", PW 09-03 "Water Distribution System Pipe Replacement and Upgrades", and PW 12-01 "Water Audit Program & Water Loss Control Plan".
4. The CCU hereby further approves One Million Sixty-Six Thousand Four Dollars (\$1,066,004.00) of 2013 Bond proceeds from various CIP line items to be reallocated to the CIP line item WW 09-01 "Lift station upgrades".
5. The CCU hereby further approves Two Million Seven Hundred One Thousand Eight Hundred Seventy-Seven Dollars (\$2,701,877.00) of 2016 Bond proceeds from various CIP line items to be reallocated to the CIP line items PW 09-01 "Ugum Water Treatment Plant Intake", PW 09-03 "Water Distribution System Pipe Replacement and Upgrades", WW 09-01 "Lift station upgrades", WW 09-06 "Wastewater Collection System Repl/Rehab" and MP-Gen-Misc-05 "GWA Infrastructure Improvements".
6. The CCU further approves the management of GWA seek PUC approval for the reallocation of 2010, 2013 and 2016 bond funds as indicated herein.

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

DULY AND REGULARLY ADOPTED, this 28th day of July 2020.

Certified by:



JOSEPH T. DUENAS

Chairperson

Attested by:



MICHAEL T. LIMTIACO

Secretary

SECRETARY'S CERTIFICATE

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

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

AYES: 4

NAYS: 0

ABSENT: 1

ABSTAIN: 0



PROJECT NAME		BOND INTEREST	Adjusted Project Cost	EXPENDITURES AS OF 5/31/20	OUTSTANDING ENCUMBRANCES	FUNDING REQUEST	TOTAL EXPENDITURES & FUNDING REQUESTS	UNOBLIGATED PROJECT COST	Construction fund balance AS OF 5/31/20
PW 05-01	Ground Water Disinfection		\$ 500,000	\$ 465,008	\$ -		\$ 465,008	34,992	34,992
PW 05-05	"A" Series Well Transmission Line		\$ 475,709	\$ 475,709	\$ -		\$ 475,709	-0	-0
PW 05-06	Water Booster Pump Station		\$ 500,000	\$ 500,000	\$ -	\$ -	\$ 500,000	0	0
PW 05-07	Meter Replacement Program		\$ 10,450,000	\$ 10,174,513	\$ 6,517	\$ -	\$ 10,181,030	268,970	275,487
PW 05-08	Barrigada Tank Repair/Replacement		\$ 5,450,000	\$ 5,371,011	\$ 33,337		\$ 5,404,348	45,652	78,989
PW 05-09	Leak Detection		\$ 200,000	\$ 17,037	\$ -		\$ 17,037	182,963	182,963
PW 05-10	Potable Water System Planning	10,487	\$ 210,487	\$ 210,487	\$ 0		\$ 210,487	0	0
PW 05-11	Implement Ground Water Rule		\$ 1,699,999	\$ 1,699,998	\$ -		\$ 1,699,998	1	1
PW 05-12	Brigade II (Uqum Lift) BPS Upgrade		\$ 1,900,000	\$ 368,647	\$ 5,914		\$ 374,561	1,525,439	1,531,353
PW 05-13	Deep Well Rehabilitation		\$ 548,000	\$ 404,045	\$ -		\$ 404,045	143,955	143,955
PW 05-14	New Deep Wells at Down Hard		\$ 485,743	\$ 485,743	\$ -		\$ 485,743	0	0
PW 05-15	Rehabilitation of Asan Springs		\$ 1,100,000	\$ 251,593	\$ 339,641		\$ 591,234	508,766	848,407
PW 05-16	Master Meters		\$ 1,489,957	\$ 1,489,957	\$ -		\$ 1,489,957	0	0
PW 09-01	Uqum Water Treatment Plant Intake		\$ 700,000	\$ 610,234	\$ 106	\$ -	\$ 610,340	89,660	89,766
PW 09-02	Water Wells		\$ -	\$ -	\$ -		\$ -	0	0
PW 09-03	Water Distribution System		\$ 3,174,748	\$ 3,152,725	\$ 21,963		\$ 3,174,688	60	22,023
PW 09-04	Pressure Zone Realignment /		\$ -	\$ -	\$ -		\$ -	0	0
PW 09-05	Northern System Water Distribution		\$ -	\$ -	\$ -		\$ -	0	0
PW 09-06	Central Water Distribution System 2005		\$ 775,002	\$ 709,031	\$ 2	\$ -	\$ 709,033	65,969	65,971
PW 09-07	Southern Water Distribution System		\$ -	\$ -	\$ -		\$ -	0	0
PW 09-08	Mechanical/Electrical Equipment		\$ 1,200,000	\$ 1,200,000	\$ -	\$ -	\$ 1,200,000	0	0
PW 09-09	Water Reservoir Internal/External		\$ 2,150,000	\$ 1,178,456	\$ 930,928	\$ -	\$ 2,109,384	40,616	971,544
PW 09-10	Water Reservoir Internal/External		\$ -	\$ -	\$ -		\$ -	0	0
PW 09-11	Water System Reservoirs 2005 Improvements		\$ 1,050,000	\$ 1,033,925	\$ 16,075		\$ 1,050,000	0	16,075
PW 11-01	Distribution System Upgrades		\$ 474,160	\$ 449,046	\$ -		\$ 449,046	25,114	25,114
PW 11-02	Uqum Water Treatment Plant Reservoir		\$ -	\$ -	\$ -		\$ -	0	0
PW 12-01	Water Audit Program & Water Loss Control Plan		\$ 78,459	\$ 15,031	\$ -	\$ -	\$ 15,031	63,429	63,429
PW 12-02	Production Plan / Reduce Navy Purchases		\$ 100,000	\$ 99,900	\$ -		\$ 99,900	100	100
PW 12-03	Hydraulic Assessment of Tank		\$ 500,000	\$ 489,161	\$ 2,680		\$ 491,841	8,159	10,839
PW 12-04	Aaana Heights & Chaot Tanks		\$ 4,700,000	\$ 4,647,524	\$ -		\$ 4,647,524	52,476	52,476
PW 12-05	Tank Major Repair Yiqo#1 Mangilao#2 Aqat#2		\$ 1,848,013	\$ 1,765,504	\$ 77,283		\$ 1,842,787	5,226	82,509
PW 12-06	Tank Major Repair Yiqo#1 Mangilao#2 Aqat#2		\$ -	\$ -	\$ -		\$ -	0	0
PW 12-07	Assessment of maloljloj Elevated & Yiqo Elevated		\$ 200,000	\$ 200,000	\$ -		\$ 200,000	0	0
PW 12-08	Public Water System Asser Inventory/Condition Assesment		\$ 100,000	\$ 78,386	\$ -		\$ 78,386	21,614	21,614
PW 12-09	Public Water System GIS & Mapping		\$ 50,000	\$ 50,000	\$ -		\$ 50,000	0	0
			\$ -	\$ -	\$ -		\$ -	0	0
WW 05-04	Wastewater System Planning	18,857	\$ 1,492,857	\$ 1,492,857	\$ -		\$ 1,492,857	0	0
WW 05-05	Wastewater Vehicles		\$ 235,000	\$ 209,795	\$ -		\$ 209,795	25,205	25,205
WW 05-07	NDWWTP - Chlorine Tanks	207,982	\$ 457,982	\$ 457,982	\$ -		\$ 457,982	0	0
WW 09-07	Tumon Bay Sewer Upgrades		\$ -	\$ -	\$ -		\$ -	0	0
WW 09-06	Wastewater Collection System Repl/Rehab		\$ 1,001,323	\$ 904,432	\$ -	\$ -	\$ 904,432	96,891	96,891
WW 09-08	Facilities Plan/Design for Baza Garde	16,757	\$ 1,266,757	\$ 1,198,678	\$ 68,079		\$ 1,266,757	0	68,079
WW 09-10	Facilities Plan/Design for Aqat-Santa Rita WWTP		\$ 899,630	\$ 778,208	\$ 121,422		\$ 899,630	0	121,422
WW 11-02	Priority 1 Sewer Upgrades – Baza Gardens WWTP		\$ -	\$ -	\$ -		\$ -	0	0
WW 11-03	Baza Gardens STP Replacement		\$ 1,488,378	\$ 1,445,363	\$ -		\$ 1,445,363	43,015	43,015
WW 11-04	Facilities Plan/Design for Umatac Merizo WWTP		\$ 853,858	\$ 827,795	\$ 26,063		\$ 853,858	0	26,063
WW 11-08	Aqat/Santa Rita STP Replacement		\$ 2,217,700	\$ 2,215,110	\$ 1,363		\$ 2,216,473	1,227	2,590
WW 12-01	Northern District WWTP Primary Treatment Upgrades		\$ 11,743,514	\$ 11,419,078	\$ 177,322	\$ -	\$ 11,596,400	147,114	324,436
WW 12-02	Biosolids Management Plan		\$ 200,000	\$ 162,084	\$ -		\$ 162,084	37,916	37,916
WW 12-03	Aqana WWTP Interim Measures	63,892	\$ 11,363,892	\$ 11,298,383	\$ 23,595		\$ 11,321,978	41,913	65,508
WW 12-04	I&I SSES Southern		\$ 800,000	\$ 793,717	\$ 5,278		\$ 798,995	1,005	6,283
WW 12-05	I&I SSES Central		\$ 850,000	\$ 792,566	\$ 1,019		\$ 793,585	56,415	57,434
WW 12-06	I&I SSES Northern		\$ -	\$ -	\$ -		\$ -	0	0
WW 12-07	Umatac Merizo Replacement		\$ 250,000	\$ 245,449	\$ 2,569		\$ 248,018	1,982	4,551
WW 17-02	Northern District WWTP Secondary Treatment Upgrades		\$ 1,000,000	\$ 1,000,000	\$ -		\$ 1,000,000	0	0
			\$ -	\$ -	\$ -		\$ -	0	0
EE 05-01	Well Electrical Protection		\$ -	\$ -	\$ -		\$ -	0	0
EE 05-02	SCADA Pilot Project		\$ 61,950	\$ 19,812	\$ -		\$ 19,812	42,138	42,138
EE 09-02	Electrical Upgrade - Water Wells		\$ 354,227	\$ 350,291	\$ 3,936		\$ 354,227	0	3,936
EE 09-03	Electrical Upgrade - Water Booster		\$ -	\$ -	\$ -		\$ -	0	0
EE 09-04	Electrical Upgrade -Water Booster		\$ -	\$ -	\$ -		\$ -	0	0
EE 09-05	Electrical Upgrade - Other Water		\$ -	\$ -	\$ -		\$ -	0	0
EE 09-06	SCADA Improvements – Phase 1		\$ 250,000	\$ 202,894.23	\$ 6,597		\$ 209,492	40,508	47,106
EE 09-07	SCADA Improvements – Phase 2		\$ 1,056,986	\$ 1,026,782	\$ 6,597		\$ 1,033,380	23,606	30,204
EE 09-08	SCADA Improvements – Phase 3		\$ 24,956	\$ 24,956	\$ -		\$ 24,956	0	0
EE 09-09	SCADA Improvements – Phase 4		\$ -	\$ -	\$ -		\$ -	0	0
			\$ -	\$ -	\$ -		\$ -	0	0
MC 05-01	Laboratory Modernization		\$ -	\$ -	\$ -		\$ -	0	0
MC 05-02	Land Survey		\$ 499,688	\$ 469,484	\$ 6,597		\$ 476,081	23,607	30,204
MC 09-01	General Plant Improvements / Water		\$ 7,241,000	\$ 7,202,237	\$ -	\$ -	\$ 7,202,237	38,763	38,763
Interest	Interest Earned	\$ 13,099	\$ 13,099					13,099	13,099
Total Construction Fund (2010 Se		\$ 331.073	\$ 87,733.073	\$ 82,130.622	\$ 1,884.884	\$ -	\$ 84,015.506	\$ 3,717.568	\$ 5,602.451

Exhibit B (page 1 of 1)

GUAM WATERWORKS AUTHORITY
2013 Series Bond Project Status
As of May 31, 2020

SCHEDULE J

PROJECT NAME	ORIGINAL		Adjusted Project Cost	BOND INTEREST	Adjusted Project Cost	EXPENDITURES AS OF 5/31/20	OUTSTANDING ENCUMBRANCES	FUNDING REQUEST	TOTAL EXPENDITURES		UNOBLIGATED PROJECT COST	Construction fund balance AS OF 5/31/20
	APPROVED PROJECT COST								ENCUMBRANCES & FUNDING REQUESTS			
PW 05-03	Santa Rita Springs Booster Pt	\$ 100,000	\$ 100,000.00		\$ 100,000	100,000	-		\$ 100,000	\$ -	\$ -	-
PW 05-05	"A" Series Well Transmission	\$ 400,000	\$ 400,000.00		\$ 369,846	369,846	(0)		\$ 369,846	\$ 0	\$ 0	0
PW 05-06	Water Booster Pump Station	\$ 6,000,000	\$ 6,000,000.00		\$ 1,679,964	1,664,351	2,442	-	\$ 1,666,793	\$ 13,171	\$ 15,613	15,613
PW 05-07	Meter Replacement Program		\$ 1,500,000.00		\$ 996,532	854,479	-		\$ 854,479	\$ 142,053	\$ 142,053	142,053
PW 05-08	Barrioada Tank Repair/Replac	\$ 6,000,000	\$ 6,000,000.00		\$ 4,987,000	4,779,897	16,000		\$ 4,795,897	\$ 191,103	\$ 207,103	207,103
PW 05-09	Leak Detection	\$ 100,000	\$ 100,000.00		\$ 16,916	-	(0)	-	\$ (0)	\$ 16,916	\$ 16,916	16,916
PW 05-10	Potable Water System Planni	\$ 800,000	\$ 1,200,000.00		\$ 624,000	593,939	30,061		\$ 624,000	\$ 0	\$ 30,061	30,061
PW 05-11	Implement Ground Water Ruk	\$ 1,000,000	\$ 1,000,000.00		\$ 1,000,000	952,052	29,724		\$ 981,776	\$ 18,224	\$ 47,948	47,948
PW 05-13	Deep Well Rehabilitation	\$ 800,000	\$ 800,000.00		\$ 200,000	198,175	1,826		\$ 200,000	\$ (0)	\$ 1,825	1,825
PW 05-14	New Deep Wells at Down Har	\$ 2,000,000	\$ 2,000,000.00		\$ -	-	-		\$ -	\$ -	\$ -	-
PW 05-16	Master Meters	\$ 4,000,000	\$ 4,000,000.00		\$ 712,060	476,315	180,872		\$ 657,187	\$ 54,873	\$ 235,745	235,745
PW 09-01	Uoum Water Treatment Plant	\$ 1,000,000	\$ 1,000,000.00		\$ 859,801	354,136	14,512	414,684	\$ 783,332	\$ 76,469	\$ 505,665	505,665
PW 09-02	Water Wells	\$ 4,200,000	\$ 4,200,000.00		\$ 3,030,029	2,148,678	8,167		\$ 2,156,845	\$ 873,184	\$ 881,351	881,351
PW 09-03	Water Distribution System	\$ 12,000,000	\$ 14,000,000.00		\$ 10,912,453	10,001,340.93	540,687		\$ 10,542,028	\$ 370,425	\$ 911,112	911,112
PW 09-04	Pressure Zone Realignment /	\$ 1,000,000	\$ 1,000,000.00		\$ 337,110	336,036	1,074		\$ 337,110	\$ 0	\$ 1,074	1,074
PW 09-08	Mechanical/Electrical Equiom	\$ 430,000	\$ 430,000.00		\$ 426,799	309,784	-	111,522	\$ 421,306	\$ 5,493	\$ 117,015	117,015
PW 09-10	Water Reservoir Internal/Exte	\$ 800,000	\$ 800,000.00		\$ -	-	-		\$ -	\$ -	\$ -	-
PW 09-11	Water System Reservoirs 200	\$ 21,000,000	\$ 18,000,000.00		\$ 13,878,000	13,020,796	812,788		\$ 13,833,584	\$ 44,416	\$ 857,204	857,204
PW 11-02	Uoum Water Treatment Plant	\$ 7,000,000	\$ 7,000,000.00		\$ -	-	-		\$ -	\$ -	\$ -	-
PW 12-04	Adana Heights & Chaot Tanks	\$ 4,500,000	\$ 4,500,000.00		\$ 1,330,287	1,114,271	216,016		\$ 1,330,287	\$ (0)	\$ 216,016	216,016
PW 12-05	Tank Maior Repair Yico#1 Ma	\$ 13,500,000	\$ 13,500,000.00		\$ 11,605,000	10,713,256	891,369		\$ 11,604,625	\$ 375	\$ 891,744	891,744
PW 12-06	Tank Maior Repair Yico#1 Ma	\$ 8,000,000	\$ 8,000,000.00		\$ -	-	-		\$ -	\$ -	\$ -	-
PW 12-07	Assessment of maloloi Elevet	\$ 500,000	\$ 500,000.00		\$ 485,117	461,813	23,304		\$ 485,117	\$ 0	\$ 23,304	23,304
PW 14-01	Fire Hvdrant Replacement Prc	\$ -	\$ 1,000,000.00		\$ -	-	-		\$ -	\$ -	\$ -	-
WW 05-04	Wastewater System Planning	\$ 800,000	\$ 800,000.00		\$ 650,901	618,613	6,982		\$ 625,595	\$ 25,306	\$ 32,288	32,288
WW 09-01	Lift Station Upgrades	\$ 5,000,000	\$ 2,000,000.00		\$ 563,148	538,385	7,265		\$ 545,650	\$ 17,498	\$ 24,763	24,763
WW 09-06	Wastewater Collection System	\$ 6,500,000	\$ 3,800,000.00	72,045	\$ 732,358	575,303	75,152		\$ 650,455	\$ 81,903	\$ 157,055	157,055
WW 11-03	Baza Gardens STP Replacement		\$ 1,000,000.00		\$ 9,656,874	7,890,391	1,429,611		\$ 9,320,002	\$ 336,872	\$ 1,766,483	1,766,483
WW 11-04	Facilities Plan/Design for Umatac-Merizo WWTP		\$ 1,000,000.00		\$ 371,699	369,613	2,086		\$ 371,699	\$ 0	\$ 2,086	2,086
WW 11-08	Agat/Santa Rita STP Replace	\$ 19,000,000	\$ 19,000,000.00		\$ 67,200,000	66,539,824	393,770		\$ 66,933,594	\$ 266,406	\$ 660,176	660,176
WW 12-03	Agana WWTP Interim Measures		\$ 1,500,000.00	45,076	\$ 718,076	667,693	50,383		\$ 718,076	\$ 0	\$ 50,383	50,383
WW 12-07	Umatac Merizo Replacement	\$ 2,000,000	\$ 1,000,000.00		\$ -	-	-		\$ -	\$ -	\$ -	-
EE 09-01	Wastewater Pump Station Ele	\$ 620,000	\$ 620,000.00		\$ 99,861	99,087	774		\$ 99,861	\$ -	\$ 774	774
EE 09-02	Electrical Upgrade - Water Wt	\$ 1,500,000	\$ 1,500,000.00		\$ 1,500,000	1,487,105	2,599		\$ 1,489,704	\$ 10,296	\$ 12,895	12,895
EE 09-03	Electrical Upgrade - Water Bo	\$ 325,000	\$ 325,000.00		\$ -	-	-		\$ -	\$ -	\$ -	-
EE 09-04	Electrical Upgrade -Water Box	\$ 350,000	\$ 350,000.00		\$ 977	977	-		\$ 977	\$ -	\$ -	-
EE 09-05	Electrical Upgrade - Other Wa	\$ 250,000	\$ 250,000.00		\$ 60,700	60,700	-		\$ 60,700	\$ -	\$ -	-
EE 09-08	SCADA Improvements - Phas	\$ 1,850,000	\$ 1,850,000.00		\$ 722,359	514,786	173,869	-	\$ 688,655	\$ 33,704	\$ 207,573	207,573
EE 09-09	SCADA Improvements - Phas	\$ 500,000	\$ 1,200,000.00		\$ -	-	-		\$ -	\$ -	\$ -	-
MC 05-01	Laboratorv Modernization	\$ 1,500,000	\$ 1,500,000.00		\$ 1,171,465	1,163,037	7,785		\$ 1,170,822	\$ 643	\$ 8,428	8,428
MC 05-02	Land Survey	\$ 2,000,000	\$ 2,000,000.00		\$ 1,052	1,038	15		\$ 1,053	\$ (1)	\$ 15	15
MC 09-01	General Plant Improvements / Allowance for COI	\$ 2,000,000	\$ 2,600,000.00		\$ 2,441,737	1,331,471	3,251	942,603	\$ 2,277,325	\$ 164,412	\$ 1,110,266	1,110,266
Interest	Interest Earned			\$ 1,376,792	\$ 1,376,792					\$ 1,376,791.71	\$ 1,376,792	1,376,792
Total Construction Fund (2		\$ 139,325,000	\$ 139,325,000	\$ 1,493,913	\$ 140,818,913	\$ 130,307,188	\$ 4,922,384	\$ 1,468,808	\$ 136,698,380	\$ 4,120,533	\$ 10,786,730	

GUAM WATERWORKS AUTHORITY
2016 Series Bond Project Status
As of May 31, 2020

SCHEDULE L

PROJECT NAME	BOND INTEREST	Adjusted Project Cost	EXPENDITURES AS OF 5/31/20	OUTSTANDING ENCUMBRANCES	FUNDING REQUEST	TOTAL EXPENDITURES	UNOBLIGATED PROJECT COST	Construction fund balance AS OF 5/31/20
						ENCUMBRANCES & FUNDING REQUESTS		
PW 05-06		\$ -	-	-		\$ -	\$ -	-
PW 05-07		\$ 1,400,000	149,970	1,250,030		\$ 1,400,000	\$ -	1,250,030
PW 05-08		\$ -	-	-		\$ -	\$ -	-
PW 05-09		\$ 100,000	-	-		\$ -	\$ 100,000	100,000
PW 05-10		\$ 876,294	833,563	42,731		\$ 876,294	\$ -	42,731
PW 05-13		\$ 250,000	203	109,810		\$ 110,013	\$ 139,987	249,797
PW 05-14		\$ 1,190,000	-	-		\$ -	\$ 1,190,000	1,190,000
PW 05-16		\$ 2,151,539	151,539	-		\$ 151,539	\$ 2,000,000	2,000,000
PW 09-01		\$ -	-	-		\$ -	\$ -	-
PW 09-02		\$ 2,500,000	77,520	92,480	39,703	\$ 209,703	\$ 2,290,297	2,422,480
PW 09-03		\$ -	-	-		\$ -	\$ -	-
PW 09-04		\$ 1,141,000	687,712	453,288		\$ 1,141,000	\$ (0)	453,288
PW 09-08		\$ -	-	-		\$ -	\$ -	-
PW 09-10		\$ 800,000	661,188	138,812		\$ 800,000	\$ -	138,812
PW 09-11		\$ 58,830,170	11,810,679	41,432,227		\$ 53,242,905	\$ 5,587,265	47,019,491
PW 11-02		\$ -	-	-		\$ -	\$ -	-
PW 12-01		\$ 550,000	-	326,134		\$ 326,134	\$ 223,867	550,000
PW 12-04		\$ 1,220,000	-	1,220,000		\$ 1,220,000	\$ -	1,220,000
PW 12-05		\$ 1,822,133	662,334	1,159,799		\$ 1,822,133	\$ 0	1,159,799
PW 12-06		\$ 7,300,000	6,650,000	650,000		\$ 7,300,000	\$ -	650,000
PW 14-01		\$ 1,200,000	67,478	1,128,900		\$ 1,196,377	\$ 3,623	1,132,523
		\$ -	-	-		\$ -	\$ -	-
WW 05-04		\$ 312,983	312,983	-		\$ 312,983	\$ 0	0
WW 09-01		\$ 1,714,755	414,748	783,659	278,745	\$ 1,477,152	\$ 237,603	1,300,007
WW 09-06		\$ 1,055,478	364,276	237,183		\$ 601,459	\$ 454,019	691,202
WW 11-03	\$ 2,384,747	\$ 25,048,523	21,944,323	638,480		\$ 22,582,803	\$ 2,465,719	3,104,200
WW 11-04		\$ 252,105	239,065	13,040		\$ 252,105	\$ -	13,040
WW 11-08	\$ 224,328	\$ 2,226,659	1,966,308	36,023		\$ 2,002,331	\$ 224,328	260,351
WW 12-03		\$ -	-	-		\$ -	\$ -	-
WW 12-07	\$ 152,872	\$ 20,952,872	20,160,515	792,356		\$ 20,952,872	\$ (0)	792,356
		\$ -	-	-		\$ -	\$ -	-
EE 09-01		\$ -	-	-		\$ -	\$ -	-
EE 09-02		\$ -	-	-		\$ -	\$ -	-
EE 09-03		\$ -	-	-		\$ -	\$ -	-
EE 09-08		\$ 1,077,497	802,003	-		\$ 802,003	\$ 275,494	275,494
EE 09-09		\$ 4,378,118	1,829,698	1,794,928		\$ 3,624,626	\$ 753,492	2,548,420
		\$ -	-	-		\$ -	\$ -	-
MC 05-01		\$ 1,127,000	1,127,000	-		\$ 1,127,000	\$ -	-
MC 05-02		\$ 1,260,524	540,053	712,264		\$ 1,252,317	\$ 8,207	720,471
MC 09-01		\$ 1,543,760	716,554	780,392	-	\$ 1,496,947	\$ 46,813	827,206
MC 15-01		\$ 500,000	244,068	120,851		\$ 364,919	\$ 135,081	255,932
Interest Earned (unencumbered)	\$ 1,605,874	\$ 1,605,874					\$ 1,605,874	1,605,874
Total Construction Fund (2016 Series Revenue Bond)	\$ 4,367,821	\$ 144,387,284	\$ 72,413,780	\$ 53,913,386	\$ 318,448	\$ 126,645,614	\$ 17,741,670	\$ 71,973,504

2010 Bond Schedule and Reallocation					
CIP Number	CIP Name	Project Cost	Additional Funding	Reduction Funding	Adjusted Project Cost
PW 05-01	Ground Water Disinfection	\$ 500,000		\$ (34,992)	\$ 465,008
PW 05-05	"A" Series Well Transmission Line	\$ 475,709			\$ 475,709
PW 05-06	Water Booster Pump Station	\$ 500,000			\$ 500,000
PW 05-07	Meter Replacement Program	\$ 10,450,000			\$ 10,450,000
PW 05-08	Barrigada Tank Repair/Replacement	\$ 5,450,000		\$ (45,652)	\$ 5,404,348
PW 05-09	Leak Detection	\$ 200,000			\$ 200,000
PW 05-10	Potable Water System Planning	\$ 200,000			\$ 200,000
PW 05-11	Implement Ground Water Rule	\$ 1,699,999			\$ 1,699,999
PW 05-12	Brigade II (Ugum Lift) BPS Upgrade	\$ 1,900,000			\$ 1,900,000
PW 05-13	Deep Well Rehabilitation	\$ 548,000			\$ 548,000
PW 05-14	New Deep Wells at Down Hard	\$ 485,743			\$ 485,743
PW 05-15	Rehabilitation of Asan Springs	\$ 1,100,000			\$ 1,100,000
PW 05-16	Master Meters	\$ 1,489,957			\$ 1,489,957
PW 09-01	Ugum Water Treatment Plant Intake	\$ 700,000	\$ 250,000		\$ 950,000
PW 09-02	Water Wells	\$ -			\$ -
PW 09-03	Water Distribution System	\$ 3,174,748	\$ 250,000		\$ 3,424,748
PW 09-04	Pressure Zone Realignment /	\$ -			\$ -
PW 09-05	Northern System Water Distribution	\$ -			\$ -
PW 09-06	Central Water Distribution System 2005	\$ 775,002		\$ (65,969)	\$ 709,033
PW 09-07	Southern Water Distribution System	\$ -			\$ -
PW 09-08	Mechanical/Electrical Equipment	\$ 1,200,000			\$ 1,200,000
PW 09-09	Water Reservoir Internal/External	\$ 2,150,000			\$ 2,150,000
PW 09-10	Water Reservoir Internal/External	\$ -			\$ -
PW 09-11	Water System Reservoirs 2005 Improvements	\$ 1,050,000			\$ 1,050,000
PW 11-01	Distribution System Upgrades	\$ 474,160		\$ (25,114)	\$ 449,046
PW 11-02	Ugum Water Treatment Plant Reservoir	\$ -			\$ -
PW 12-01	Water Audit Program & Water Loss Control Plan	\$ 78,459	\$ 283,716		\$ 362,175
PW 12-02	Production Plan / Reduce Navy Purchases	\$ 100,000		\$ (100)	\$ 99,900
PW 12-03	Hydraulic Assessment of Tank	\$ 500,000		\$ (8,159)	\$ 491,841
PW 12-04	Agana Heights & Chaot Tanks	\$ 4,700,000		\$ (52,476)	\$ 4,647,524
PW 12-05	Tank Major Repair Yigo#1 Mangilao#2 Agat#2	\$ 1,848,013		\$ (5,226)	\$ 1,842,787
PW 12-06	Tank Major Repair Yigo#1 Mangilao#2 Agat#2	\$ -			\$ -
PW 12-07	Assessment of maloiloj Elevead & Yigo Elevated	\$ 200,000			\$ 200,000
PW 12-08	Public Water System Asser Inventory/Condition Assessment	\$ 100,000		\$ (21,614)	\$ 78,386
PW 12-09	Public Water System GIS & Mapping	\$ 50,000			\$ 50,000
WW 05-04	Wastewater System Planning	\$ 1,474,000			\$ 1,474,000
WW 05-05	Wastewater Vehicles	\$ 235,000		\$ (25,205)	\$ 209,795
WW 05-07	NDWWTP - Chlorine Tanks	\$ 250,000			\$ 250,000
WW 09-07	Tumon Bay Sewer Upgrades	\$ -			\$ -
WW 09-06	Wastewater Collection System Repl/Rehab	\$ 1,001,323			\$ 1,001,323
WW 09-08	Facilities Plan/Design for Baza Gardens WWTP	\$ 1,250,000			\$ 1,250,000
WW 09-10	Facilities Plan/Design for Agat-Santa Rita WWTP	\$ 899,630			\$ 899,630
WW 11-02	Priority 1 Sewer Upgrades – Baza Gardens WWTP	\$ -			\$ -
WW 11-03	Baza Gardens STP Replacement	\$ 1,488,378		\$ (43,015)	\$ 1,445,363
WW 11-04	Facilities Plan/Design for Umatac Merizo WWTP	\$ 853,858			\$ 853,858
WW 11-08	Agat/Santa Rita STP Replacement	\$ 2,217,700		\$ (1,227)	\$ 2,216,473
WW 12-01	Northern District WWTP Primary Treatment Upgrades	\$ 11,743,514		\$ (147,114)	\$ 11,596,400
WW 12-02	Biosolids Management Plan	\$ 200,000		\$ (37,916)	\$ 162,084
WW 12-03	Agana WWTP Interim Measures	\$ 11,300,000		\$ (41,913)	\$ 11,258,087
WW 12-04	I&I SSES Southern	\$ 800,000		\$ (1,005)	\$ 798,995
WW 12-05	I&I SSES Central	\$ 850,000		\$ (56,415)	\$ 793,585
WW 12-06	I&I SSES Northern	\$ -			\$ -
WW 12-07	Umatac Merizo Replacement	\$ 250,000		\$ (1,982)	\$ 248,018
WW 17-02	Northern District WWTP Secondary Treatment Upgrades	\$ 1,000,000			\$ 1,000,000
EE 05-01	Well Electrical Protection	\$ -			\$ -
EE 05-02	SCADA Pilot Project	\$ 61,950		\$ (42,138)	\$ 19,812
EE 09-02	Electrical Upgrade - Water Wells	\$ 354,227			\$ 354,227
EE 09-03	Electrical Upgrade - Water Booster	\$ -			\$ -
EE 09-04	Electrical Upgrade -Water Booster	\$ -			\$ -
EE 09-05	Electrical Upgrade - Other Water	\$ -			\$ -
EE 09-06	SCADA Improvements – Phase 1	\$ 250,000		\$ (40,508)	\$ 209,492
EE 09-07	SCADA Improvements – Phase 2	\$ 1,056,986		\$ (23,606)	\$ 1,033,380
EE 09-08	SCADA Improvements – Phase 3	\$ 24,956			\$ 24,956
EE 09-09	SCADA Improvements – Phase 4	\$ -			\$ -
MC 05-01	Laboratory Modernization	\$ -			\$ -
MC 05-02	Land Survey	\$ 499,688		\$ (23,607)	\$ 476,081

Exhibit D (page 2 of 2)

MC 09-01	General Plant Improvements / Water	\$ 7,241,000		\$ (38,763)	\$ 7,202,237
TOTALS		\$ 87,402,000	\$ 783,716	\$ (783,716)	\$ 87,402,000

Exhibit E (page 1 of 1)

2013 Bond Schedule and Reallocation					
CIP Number	CIP Name	Project Cost	Additional Funding	Reduction Funding	Adjusted Project Cost
PW 05-03	Santa Rita Springs Booster Pump Rehab Phase II	\$ 100,000			\$ 100,000
PW 05-05	"A" Series Well Transmission Line	\$ 369,846			\$ 369,846
PW 05-06	Water Booster Pump Station	\$ 1,679,964		\$ (13,171)	\$ 1,666,793
PW 05-07	Meter Replacement Program	\$ 996,532			\$ 996,532
PW 05-08	Barrigada Tank Repair/Replacement	\$ 4,987,000		\$ (191,102)	\$ 4,795,898
PW 05-09	Leak Detection	\$ 16,916			\$ 16,916
PW 05-10	Potable Water System Planning	\$ 624,000			\$ 624,000
PW 05-11	Implement Ground Water Rule	\$ 1,000,000		\$ (18,224)	\$ 981,776
PW 05-13	Deep Well Rehabilitation	\$ 200,000			\$ 200,000
PW 05-14	New Deep Wells at Down Hard	\$ -			\$ -
PW 05-16	Master Meters	\$ 712,060			\$ 712,060
PW 09-01	Ugum Water Treatment Plant Intake	\$ 859,801			\$ 859,801
PW 09-02	Water Wells	\$ 3,030,029			\$ 3,030,029
PW 09-03	Water Distribution System	\$ 10,912,453			\$ 10,912,453
PW 09-04	Pressure Zone Realignment /	\$ 337,110			\$ 337,110
PW 09-08	Mechanical/Electrical Equipment	\$ 426,799		\$ (5,493)	\$ 421,306
PW 09-10	Water Reservoir Internal/External	\$ -			\$ -
PW 09-11	Water System Reservoirs 2005 Improvements	\$ 13,878,000			\$ 13,878,000
PW 11-02	Ugum Water Treatment Plant Reservoir	\$ -			\$ -
PW 12-04	Agana Heights & Chaot Tanks	\$ 1,330,287			\$ 1,330,287
PW 12-05	Tank Major Repair Yigo#1 Mangilao#2 Agat#2	\$ 11,605,000		\$ (375)	\$ 11,604,625
PW 12-06	Tank Major Repair Yigo#1 Mangilao#2 Agat#2	\$ -			\$ -
PW 12-07	Assessment of malojoj Elevetad & Yigo Elevated	\$ 485,117			\$ 485,117
PW 14-01	Fire Hydrant Replacement Program	\$ -			\$ -
WW 05-04	Wastewater System Planning	\$ 650,901		\$ (25,306)	\$ 625,595
WW 09-01	Lift Station Upgrades	\$ 563,148	\$ 1,066,004		\$ 1,629,152
WW 09-06	Wastewater Collection System Repl/Rehab	\$ 660,313			\$ 660,313
WW 11-03	Baza Gardens STP Replacement	\$ 9,656,874		\$ (336,872)	\$ 9,320,002
WW 11-04	Facilities Plan/Design for Umatac-Merizo WWTP	\$ 371,699			\$ 371,699
WW 11-08	Agat/Santa Rita STP Replacement	\$ 67,200,000		\$ (266,406)	\$ 66,933,594
WW 12-03	Agana WWTP Interim Measures	\$ 673,000			\$ 673,000
WW 12-07	Umatac Merizo Replacement	\$ -			\$ -
EE 09-01	Wastewater Pump Station Electrical Upgrade	\$ 99,861			\$ 99,861
EE 09-02	Electrical Upgrade - Water Wells	\$ 1,500,000		\$ (10,296)	\$ 1,489,704
EE 09-03	Electrical Upgrade - Water Booster	\$ -			\$ -
EE 09-04	Electrical Upgrade -Water Booster	\$ 977			\$ 977
EE 09-05	Electrical Upgrade - Other Water	\$ 60,700			\$ 60,700
EE 09-08	SCADA Improvements – Phase 3	\$ 722,359		\$ (33,704)	\$ 688,655
EE 09-09	SCADA Improvements – Phase 4	\$ -			\$ -
MC 05-01	Laboratory Modernization	\$ 1,171,465		\$ (643)	\$ 1,170,822
MC 05-02	Land Survey	\$ 1,052			\$ 1,052
MC 09-01	General Plant Improvements / Water	\$ 2,441,737		\$ (164,412)	\$ 2,277,325
TOTALS		\$ 139,325,000	\$ 1,066,004	\$ (1,066,004)	\$ 139,325,000

2016 Bond Schedule and Reallocation					
CIP Number	CIP Name	Project Cost	Additional Funding	Reduction Funding	Adjusted Project Cost
PW 05-06	Water Booster Pump Station	\$ -			\$ -
PW 05-07	Meter Replacement Program	\$ 1,400,000			\$ 1,400,000
PW 05-08	Barrigada Tank Repair/Replacement	\$ -			\$ -
PW 05-09	Leak Detection	\$ 100,000			\$ 100,000
PW 05-10	Potable Water System Planning	\$ 876,294			\$ 876,294
PW 05-13	Deep Well Rehabilitation	\$ 250,000			\$ 250,000
PW 05-14	New Deep Wells at Down Hard	\$ 1,190,000			\$ 1,190,000
PW 05-16	Master Meters	\$ 2,151,539			\$ 2,151,539
PW 09-01	Ugum Water Treatment Plant Intake	\$ -	\$ 267,881		\$ 267,881
PW 09-02	Water Wells	\$ 2,500,000			\$ 2,500,000
PW 09-03	Water Distribution System	\$ -	\$ 750,000		\$ 750,000
PW 09-04	Pressure Zone Realignment /	\$ 1,141,000			\$ 1,141,000
PW 09-08	Mechanical/Electrical Equipment	\$ -			\$ -
PW 09-10	Water Reservoir Internal/External	\$ 800,000			\$ 800,000
PW 09-11	Water System Reservoirs 2005 Improvements	\$ 58,830,170			\$ 58,830,170
PW 11-02	Ugum Water Treatment Plant Reservoir	\$ -			\$ -
PW 12-01	Water Audit Program & Water Loss Control Plan	\$ 550,000			\$ 550,000
PW 12-04	Agana Heights & Chaot Tanks	\$ 1,220,000			\$ 1,220,000
PW 12-05	Tank Major Repair Yigo#1 Mangilao#2 Agat#2	\$ 1,822,133			\$ 1,822,133
PW 12-06	Tank Major Repair Yigo#1 Mangilao#2 Agat#2	\$ 7,300,000			\$ 7,300,000
PW 14-01	Fire Hydrant Replacement Program	\$ 1,200,000		\$ (3,623)	\$ 1,196,377
WW 05-04	Wastewater System Planning	\$ 312,983			\$ 312,983
WW 09-01	Lift Station Upgrades	\$ 1,714,755	\$ 433,996		\$ 2,148,751
WW 09-06	Wastewater Collection System Repl/Rehab	\$ 1,055,478	\$ 500,000		\$ 1,555,478
WW 11-03	Baza Gardens STP Replacement	\$ 22,663,776		\$ (2,465,719)	\$ 20,198,057
WW 11-04	Facilities Plan/Design for Umatac-Merizo WWTP	\$ 252,105			\$ 252,105
WW 11-08	Agat/Santa Rita STP Replacement	\$ 2,002,331		\$ (224,328)	\$ 1,778,003
WW 12-03	Agana WWTP Interim Measures	\$ -			\$ -
WW 12-07	Umatac Merizo Replacement	\$ 20,800,000			\$ 20,800,000
EE 09-01	Wastewater Pump Station Electrical Upgrade	\$ -			\$ -
EE 09-02	Electrical Upgrade - Water Wells	\$ -			\$ -
EE 09-03	Electrical Upgrade - Water Booster	\$ -			\$ -
EE 09-08	SCADA Improvements – Phase 3	\$ 1,077,497			\$ 1,077,497
EE 09-09	SCADA Improvements – Phase 4	\$ 4,378,118			\$ 4,378,118
MC 05-01	Laboratory Modernization	\$ 1,127,000			\$ 1,127,000
MC 05-02	Land Survey	\$ 1,260,524		\$ (8,207)	\$ 1,252,317
MC 09-01	General Plant Improvements / Water	\$ 1,543,760			\$ 1,543,760
MC 15-01	Information Technology Integration Improvements	\$ 500,000			\$ 500,000
MP-Gen-Misc-05	GWA Infrastructure Improvements		\$ 750,000		\$ 750,000
TOTALS		\$ 140,019,463	\$ 2,701,877	\$ (2,701,877)	\$ 139,269,463

Exhibit G (1 of 3)

FS - Funding Source

		2020	2021	2022	2023	2024	2025
		FS (x1000)	FS (x1000)	FS (x1000)	FS (x1000)	FS (x1000)	FS (x1000)
PW 05-01	Ground Water Disinfection	B2010 -					
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	B2013 - GRANTS 387 SRF 1,200 B2010 268.97 B2013 142.053	IFCIP B2020 200 700	IFCIP 100	SRF 2,000		
PW 05-07	Meter Replacement Program	B2010 - B2013 -					
PW 05-08	Barrigada Tank Repair/Replacement						
PW 05-09	Leak Detection	B2010 182.963 B2013 16.916 B2016 100	B2020 400 IFCIP 400		IFCIP 70		
PW 05-10	Potable Water System Planning		B2020 400 IFCIP 200				
PW 05-11	Implement Ground Water Rule	B2013 -					
PW 05-12	Brigade II (Ugum Lift) BPS Upgrade	B2010 1,525.439 B2010 143.955 B2016 139.987 B2020 350 SRF 2,188 B2016 1,190 B2020 500		SRF 4,000			
PW 05-13	Deep Well Rehabilitation	B2010 508.766 B2020 -550 B2013 54.873 B2016 2,000					
PW 05-16	Master Meters						
PW 09-01	Ugum Water Treatment Plant Intake	B2010 339.66 B2013 76.469 B2016 267.581 B2020 200 B2013 873.184 B2016 2,290.297 B2020 500 IFCIP 500 SDC 250	IFCIP B2020 214 400 SDC 1,000 IFCIP 300	IFCIP 500	SRF 2,000		
PW 09-02	Water Wells	B2010 250.000 B2013 370.425 B2016 750 B2020 500 SDC 250	IFCIP 400 B2020 500	SDC 500 FB-A 1791 B2020 1,250 IFCIP 500	IFCIP 500 SDC 500 IFCIP 500	IFCIP 600	
PW 09-03	Water Distribution System Pipe Replacement and Upgrades						
PW 09-04	Pressure Zone Realignment / Development 2005 Improvements	GRANTS 561 B2010 - B2013 - B2010 40.616					
PW 09-06	Central Water Distribution System 2005 Improvements						
PW 09-08	Mechanical/Electrical Equipment	B2013 - B2010 -					
PW 09-09	Water Reservoir Internal/External						
PW 09-10	Water Reservoir Internal/External						
PW 09-11	Water System Reservoirs 2005 Improvements	B2013 44.416 B2016 5,587.265 B2020 25,100 IFCIP 100	B2020 800 IFCIP 800	IFCIP 1,200	IFCIP 500		
PW 11-01	Distribution System Upgrade	B2010 - B2020 7,500					
PW 11-02	Ugum Water Treatment Plant Reservoir	B2010 347.145 B2016 223.987					
PW 12-01	Water Audit Program & Water Loss Control Plan						
PW 12-02	Production Plan / Reduce Navy Purchases	B2010 -					
PW 12-03	Hydraulic Assessment of Tanks	B2010 -					
PW 12-04	Agana Heights & Chaot Tanks	B2010 -					
PW 12-05	Tank Major Repair Yigo #1, Mangilao #2, Astumbo #1	B2010 - B2013 -					
PW 12-06	Tank Replacement Pti & Hyundai	B2020 6,500					
PW 12-07	Assessment/Replacement of Malojigj Elevated & Yigo Elevated						
PW 12-08	Public Water System Asset Inventory/ Condition Assessment	B2010 -					
PW 12-09	Public Water System GIS & Mapping						
PW 14-01	Fire Hydrant Replacement Program	B2016 -		FB-A 500		FB-A 250	
MP-PW-Pipe-01	Astumbo Zone Piping			FB-A 368 FB-B 2,700 IFCIP 900			
MP-PW-Pipe-02	Route 1 Astumbo Zone Piping				FB-A 545 IFCIP 300	3,000 FB-B 573	2,000
MP-PW-Pipe-03	Harmon Cliffline Piping to Route 1				FB-A 424		
MP-PW-Pipe-04	Hyundai Well Piping	B2020 500					
MP-PW-Pipe-05	Kaiser Zone Looping	B2020 300					
MP-PW-Pipe-06	Mangilao Pressure Zone Realignment	B2020 300					
MP-PW-Pipe-07	Mataguac BPS Suction Piping		B2020 500				
MP-PW-Pipe-08	Nimitz Lower BPS Piping				FB-A 121 IFCIP 400	1,000 FB-B 400	
MP-PW-Pipe-09	Yigo, Santa Rosa Zone Realignment			FB-A 178 IFCIP 364	1,800 IFCIP 364		
MP-PW-Pipe-10	Miscellaneous Piping Projects	B2020 100	B2020 100	FB-A 694			
MP-PW-Pipe-11	Miscellaneous Piping Connections	B2020 100	B2020 100	FB-A 194			
MP-PW-Pipe-12	Rehabilitation and Replacement Program	B2020 1,000	B2020 1,000	FB-A 2,500 IFCIP 500	4,457 IFCIP 500	7,000 FB-B 1,678	
MP-PW-Pipe-13	2-Inch Pipe Replacement Program	IFCIP 500 B2020 2,230	IFCIP 300 B2020 1,100	IFCIP 1,000 FB-A 3,850	1,250 IFCIP 3,000	1,000 IFCIP 2,200	1,750 FB-B 1,500
MP-PW-Pipe-14	Asbestos Cement Pipe Replacement Program	IFCIP 250 B2020 750	B2020 1,300 IFCIP 300	FB-A 1,000 IFCIP 250	1,000 IFCIP 428	900 IFCIP 450	
MP-PW-Pipe-15	PRV Rehab and Replacement	B2020 250				200 IFCIP 30	
MP-PW-Pipe-16	Valve Exercise, Repair, and Replacement Program						
MP-PW-Pipe-17	Cross Island Highway Piping		B2020 100	FB-A 1,401			
MP-PW-Tank-22	Existing Tank Inspections	B2020 150					
MP-PW-Tank-23	Recurring Tank Inspections	B2020 200	B2020 200	FB-A 214	FB-A 214	214	100
MP-PW-BPS-01	Rehabilitate and Replace BPSs	B2020 309 IFCIP 100	B2020 100 IFCIP 100	FB-A 150	FB-A 150	150	150
MP-PW-BPS-02	Nimitz Hill Upper BPS	B2020 48					
MP-PW-BPS-03	Route 15 BPS					86	1,050
MP-PW-SWTP-01	Ugum SWTP River Intake Cleaning Project	B2020 380					
MP-PW-SWTP-02	Ugum SWTP Intake Modifications	B2020 1,174					
MP-PW-SWTP-03	Ugum SWTP Reliability Improvements	B2020 1,150					
MP-PW-SWTP-04	Ugum SWTP 7-Year Improvement Project					3,000 IFCIP 150	
MP-PW-Well-01	Well Rehabilitation Program	B2020 300 IFCIP 100	B2020 3,300 IFCIP 1,800	FB-A 440 IFCIP 1,000	1,500 IFCIP 600	1,440 IFCIP 600	5,368
MP-PW-Well-02	Well Equipment Overhaul Program						
MP-PW-Well-03	Capacity Enhancement - Well Exploration Program	B2020 500				750 IFCIP 750 FB-B 400	
MP-PW-Well-04	Capacity Enhancement - Well Development and Construction Program	B2020 300 IFCIP		FB-A 379 IFCIP 1,000	3,000 IFCIP 660		394 6
MP-PW-Well-05	Wellhead Protection Program	B2020 950 IFCIP 200	B2020 250	FB-A 1,000	1,000	750 IFCIP 400	553
MP-PW-Well-06	Well Repair Program	IFCIP -			274	400	200
MP-PW-Misc-01	South Guam Water Supply Study	B2020 100					

MP-PW-Misc-02	Master Meter Implementation and Ongoing Meter Replacement	B2020	500	B2020	250	FB-A	734	FB-B	500	FCIP	500	300
MP-PW-Misc-03	Hydrant Condition Assessment and Maintenance					FB-A	970	FCIP	234	FCIP	200	
MP-PW-Misc-04	OneGuam Program	IFCIP	-	IFCIP	50	IFCIP	50	FB-B	500	FB-B	500	50
MP-PW-Misc-05	Leak Detection Assistance	B2020	50	B2020	50			IFCIP	200	IFCIP	450	
DoD-3	Rehabilitation and New NGLA Monitoring Wells	B2020	150									
		GRANTS	2,465,674									

TOTAL POTABLE WATER PROJECTS B2010	3,608	-	-	-	-	-	-	-	-	-	-	-
TOTAL POTABLE WATER PROJECTS B2013	1,578	-	-	-	-	-	-	-	-	-	-	-
TOTAL POTABLE WATER PROJECTS B2016	12,549	-	-	-	-	-	-	-	-	-	-	-
TOTAL POTABLE WATER PROJECTS B2020	53,491	11,550	1,250									
TOTAL POTABLE WATER PROJECTS Future Borrow A (FB-A)	-	-	17,613					12,571		250		
TOTAL POTABLE WATER PROJECTS Future Borrow B (FB-B)	-	-	-					9,700		20,240		11,917
State Revolving Fund (SRF) Grant Funds	3,388	-	4,000					4,000		-		-
System Development Charge (SDC)	500	1,000	500							500		594
GRANTS	3,413	-	-					-		-		-
IFCIP	1,750	5,064	4,350					9,800		7,035		3,294
	80,277	17,614	27,713					36,571		28,925		15,805

FS - Funding Source

		2020	2021	2022	2023	2024	2025
		FS (x1000)	FS (x1000)	FS (x1000)	FS (x1000)	FS (x1000)	FS (x1000)
WW 05-04	Wastewater System Planning	B2013 - B2020 150					
WW 05-05	Wastewater Vehicles	B2010 -					
WW 09-01	Lift station upgrades	B2013 1,053,502 B2016 671,599 SRF 1,600	IFCIP 250 B2020 1,050		SRF 2,000	IFCIP 200 SRF 2,000	
WW 09-02	Monstoriom						
WW 09-06	Wastewater Collection System Repl/ Rehabilitation	B2010 96,891 B2013 81,903 B2016 954,019 B2020 350 IFCIP 250 SRF -	B2020 1,050 IFCIP 250 SRF 1,000		SRF 2,000	SRF 2,000	
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	SDC -					
WW 11-03	Baza Gardens STP Replacement	B2010 - B2013 - B2016 -	B2020 - IFCIP 500				
WW 11-04	Facilities Plan/Design/Interim for Umatac-Merizo STP Impr.						
WW 11-08	Agat/ Santa Rita STP Replacement	B2010 - B2013 - B2016 -					
WW 12-01	Northern District WWTP Primary Treatment Upgrades	B2010 -					
WW 12-02	Bio Solids Management Plan	B2010 -					
WW 12-03	Agana WWTP Interim Measures	B2010 -					
WW 12-04	IKI SSES Southern	B2010 -					
WW 12-05	IKI SSES Central	B2010 -					
WW 12-06	IKI SSES Northern						
WW 12-07	Umatac-Merizo STP Replacement	SDC - B2010 -					
WW 12-09	Wastewater Facility Back Up Power						
WW 17-01	Wastewater Sewer System Expansion	SDC -					
WW 17-02	Northern District WWTP Secondary Treatment Upgrade						

MP-WW-Pipe-01	Gravity Pipe Rehabilitation/Replacement Program	B2020 170 B2020 150	IFCIP 1,300 B2020 1,800	IFCIP 1,000 SRF 4,000 FB-A 2,000	FB-A 750 SRF 2,000 FB-B 6,343	IFCIP 2,000 SRF 2,000 FB-B 6,343	FB-B 4,632
MP-WW-Pipe-02	Barrigada Pump Station Pipe Rehabilitation/Replacement			FB-A 411	FB-A 1,200 FB-B 2,000 IFCIP -		
MP-WW-Pipe-03	Route 1 P18 Pipe Rehabilitation/Replacement	IFCIP 600 B2020 940					
MP-WW-Pipe-04	Southern Link Pump Station Pipe Rehabilitation/Replacement	B2020 657					
MP-WW-Pipe-05	Agana Heights Pipe Replacement			FB-A 169	FB-A 1,500 FB-B 1,000		
MP-WW-Pipe-06	Northern District Route 1 Capacity Replacement - Phase 1					FB-B 1,000 IFCIP 150	IFCIP 2,754 FB-B 719
MP-WW-Pipe-07	Northern District Route 1 Capacity Replacement - Phase 2						
MP-WW-Pipe-08	Northern District Route 1 Capacity Replacement - Phase 3						
MP-WW-Pipe-09	North Dededo Capacity Replacement - Phase 1						
MP-WW-Pipe-10	North Dededo Capacity Replacement - Phase 2						
MP-WW-Pipe-11	Route 16 Capacity Replacement					FB-B 500 IFCIP 50	IFCIP 2,484 FB-B 521
MP-WW-Pipe-12	Barrigada Capacity Replacement					FB-B 30 IFCIP 15	IFCIP 562
MP-WW-Pipe-13	Mangilao Capacity Replacement						
MP-WW-Pipe-14	Dededo Capacity Replacement						
MP-WW-Pipe-16	Yigo Capacity Replacement						
MP-WW-Pipe-17	Mamajanao Capacity Replacement	B2020 400	IFCIP 886 B2020 414	FB-A 2,000 IFCIP 600			
MP-WW-Pipe-18	Agat-Santa Rita Capacity Replacement - Phase 1						
MP-WW-Pipe-19	Agat-Santa Rita Capacity Replacement - Phase 2						
MP-WW-Pipe-20	Agat-Santa Rita Capacity Replacement - Phase 3						
MP-WW-Pipe-21	Baza Gardens Capacity Replacement - Phase 1					FB-B 192 IFCIP 100	IFCIP 3,393 FB-B 528
MP-WW-Pipe-22	Baza Gardens Capacity Replacement - Phase 2						
MP-WW-Pipe-23	Baza Gardens Capacity Replacement - Phase 3						
MP-WW-Pipe-24	Umatac-Merizo Capacity Replacement					FB-B 150 IFCIP 50	FB-B 1,441
MP-WW-Pipe-25	Piping Near Bayside Lift Station		SRF 2,000		FB-A 250		
MP-WW-Pipe-26	Finile Drive Rehabilitation - Agat	B2020 813					
MP-WW-Pipe-27	Septic/Cesspool System Reduction Program			B2020 350,27	IFCIP 2,000	FB-A 4,800 IFCIP 200	SRF 1,000 FB-B 1,538
MP-WW-MH-01	Manhole Rehabilitation Program	B2020 350		FB-A 350		FB-A 350	
MP-WW-FM-01	Force Main Rehabilitation/Replacement Program		B2020 100	FB-A 1,458		FB-B 120	
MP-WW-FM-02	Replace Yigo Lift Station Force Main		B2020 200	FB-A 1,579 IFCIP 250			
MP-WW-FM-03	Route 1 Asan Force Main Rehabilitation/Replacement	B2020 2,124					
MP-WW-FM-04	Hagåtña WWTP Force Main Rehabilitation/Replacement	B2020 6,600 IFCIP 100					
MP-WW-Pump-01	Lift Station Rehabilitation/Replacement Program	B2020 1,820 IFCIP 300	B2020 6,500	IFCIP 500 FB-A 420	FB-B 7,624	FB-B 4,420 IFCIP 250	IFCIP 2,259 SRF 3,350 FB-B 762
MP-WW-Pump-02	Tumon Basin - Fujita Lift Station Analysis	B2020 6,600 IFCIP -	B2020 3,000				
MP-WW-Pump-03	Replacement of Former Navy Pump Station (Donut Hole)	B2020 1,301					
MP-WW-WWTP-01	Hagåtña WWTP Primary Treatment Repair/Rehabilitation Program						
MP-WW-WWTP-02	Hagåtña WWTP Secondary Treatment Upgrade						
MP-WW-WWTP-03	Inarajan WWTP Repair/Rehabilitation Program						
MP-WW-WWTP-04	Pago Socio WWTP Pump Station Conversion			FB-A 1,200 IFCIP 500	FB-A 1,000		
MP-WW-WWTP-05	Umatac-Merizo WWTP Repair/Rehabilitation Program						
MP-WW-WWTP-06	Agat-Santa Rita WWTP Repair/Rehabilitation Program						

Exhibit G (3 of 3)

Project Name	Project Description	2020	2021	2022	2023	2024	2025
MP-WW-WWTP-07	Baza Gardens Cross Island Pipeline - Preliminary Treatment Equipment Repair and Rehabilitation Program						
MP-WW-WWTP-08	Northern District WWTP Completion		B2020 7,500	FB-A 800			
MP-WW-WWTP-09	Ocean Outfall Inspection Program	IFCIP B2020 - 100		IFCIP 4,500			FCIP 150
MP-WW-Misc-01A	Update Wastewater Collection System Model (Major Update)						
MP-WW-Misc-01B	Update Wastewater Collection System Model (Continued)	IFCIP B2020 - 50		IFCIP 100		FCIP 100	
MP-WW-Misc-02	W and SSES Assessments	IFCIP B2020 - 50			FB-A 400		
MP-WW-Misc-03	Miscellaneous Wastewater Improvements	B2020 500	IFCIP 200	IFCIP 500			FCIP FB-B 500
MP-WW-Misc-04	Fats, Oils, and Grease Study	IFCIP B2020 50					
DoD-01	NDWWTP Secondary Treatment Capacity 12MGD	GRANTS 7,594,541					
DoD-02	Northern Systems Wastewater System	GRANTS 2,053					

TOTAL WASTEWATER PROJECTS B2010	97	-	-	-	-	-	-
TOTAL WASTEWATER PROJECTS B2013	1,165	-	-	-	-	-	-
TOTAL WASTEWATER PROJECTS B2016	1,626	-	-	-	-	-	-
TOTAL WASTEWATER PROJECTS B2020	23,025	21,614	350	-	-	-	-
TOTAL WASTEWATER PROJECTS Future Borrow A (FB-A)	-	-	10,387	5,100	5,150	-	-
TOTAL WASTEWATER PROJECTS Future Borrow B (FB-B)	-	-	-	10,624	12,755	10,641	-
State Revolving Fund (SRF) Grant Funds	1,600	3,000	4,000	4,000	6,000	4,350	-
System Development Charge (SDC)							
GRANTS	9,648	-	-	-	-	-	-
IFCIP	1,250	3,186	7,950	2,500	3,115	11,602	-
	38,410	27,800	22,687	22,224	27,020	26,593	-

FS - Funding Source	2020	2021	2022	2023	2024	2025
FS (x1000)	FS (x1000)	FS (x1000)	FS (x1000)	FS (x1000)	FS (x1000)	FS (x1000)
EE 05-02 SCADA Pilot Project	B2010 -					
EE 09-01 Wastewater Pumping Station Electrical Upgrade						
EE 09-02 Electrical Upgrade - Water Wells	B2013 -					
EE 09-03 Electrical Upgrade - Water Booster	B2020 90					
EE 09-04 Electrical Upgrade -Water Booster	B2020 150					
EE 09-05 Electrical Upgrade - Other Water	B2020 100					
EE 09-06 SCADA Improvements - Phase 1	B2010 -					
EE 09-07 SCADA Improvements - Phase 2	B2010 -					
	B2020 45					
EE 09-08 SCADA Improvements - Phase 3	B2013 -					
	B2016 275,494					
	B2020 25				SRF 2,000	
	SRF 100					
EE 09-09 SCADA Improvements - Phase 4	B2016 753,492					
MP-Gen-EE-01 SCADA Implementation Phase A2 - Initial Project Completion	B2020 2,000	IFCIP B2020 300	IFCIP 1,000	FB-A 3,100	FCIP FB-B 1,000	FB-B 1,220
MP-Gen-EE-02 SCADA Implementation Phase B - Additional Sites		2,250		IFCIP 300	FCIP 400	FCIP 1,554
MP-Gen-EE-03 SCADA Implementation Phase C - Additional Instruments						
MP-Gen-EE-04 SCADA System Improvement Program					FCIP 200	FCIP 200

TOTAL ELECTRICAL PROJECTS B2010	-	-	-	-	-	-
TOTAL ELECTRICAL PROJECTS B2013	-	-	-	-	-	-
TOTAL ELECTRICAL PROJECTS B2016	1,029	-	-	-	-	-
TOTAL ELECTRICAL PROJECTS B2020	2,410	2,250	-	-	-	-
TOTAL ELECTRICAL PROJECTS Future Borrow A (FB-A)	-	-	-	3,100	-	-
TOTAL ELECTRICAL PROJECTS Future Borrow B (FB-B)	-	-	-	-	2,895	1,220
State Revolving Fund (SRF) Grant Funds	100	-	-	-	2,000	-
System Development Charge (SDC)	-	-	-	-	-	-
GRANTS	-	-	-	-	-	-
IFCIP	-	300	1,000	300	1,600	1,764
	3,539	2,550	1,000	3,400	6,495	2,974

FS - Funding Source	2020	2021	2022	2023	2024	2025
FS (x1000)	FS (x1000)	FS (x1000)	FS (x1000)	FS (x1000)	FS (x1000)	FS (x1000)
MC 05-01 Laboratory Modernization	B2013 -					
MC 05-02 Land Survey	B2010 -					
	B2016 -					
MC 09-01 General Plant Improvements	B2010 -					
	B2013 -					
	B2016 46,813	IFCIP 100	IFCIP 250	IFCIP 400	IFCIP 750	
MC 15-01 Information Technology Integration Improvements	B2016 135,081	IFCIP 100	IFCIP 250	IFCIP 250	IFCIP 400	

MP-Gen-Misc-01 GWA Systems Planning	IFCIP B2020 - 550	IFCIP 500	IFCIP 100	IFCIP 250	FCIP 400	FCIP FB-B 250
MP-Gen-Misc-02A WRMP Update (Comprehensive Update)			IFCIP 100			700
MP-Gen-Misc-02B WRMP Update (Interim Update)	B2020 200					FCIP 200
MP-Gen-Misc-03 Surveying and Property Delineation	B2020 250	IFCIP 250		IFCIP 250		FCIP 250
MP-Gen-Misc-04 Information Technology Improvements	B2020 1,650	IFCIP 200	IFCIP 100	IFCIP 100	FCIP 150	FCIP 200
MP-Gen-Misc-05 GWA Infrastructure Improvements	IFCIP B2020 500	B2020 2,000		IFCIP 250		FCIP FB-B 1,800
MP-Gen-Misc-06 GPWA Fleet Maintenance Facility	B2016 750					FCIP 150
	B2020 500					
MP-Gen-Misc-07 Mobile Equipment Replacement Program	B2020 800	IFCIP 200	IFCIP 100	IFCIP 100	FCIP 300	FCIP FB-B 100
						200
MP-Gen-Misc-08 General Plant Improvements	B2020 1,000	IFCIP 400	IFCIP 200	IFCIP 200	FCIP 300	FCIP 100
MP-Gen-Misc-09 Security and Resilience Program	B2020 200	IFCIP 100	IFCIP 100	IFCIP 100	FCIP 50	FCIP 100

TOTAL MISCELLANEOUS PROJECTS B2010	-	-	-	-	-	-
TOTAL MISCELLANEOUS PROJECTS B2013	-	-	-	-	-	-
TOTAL MISCELLANEOUS PROJECTS B2016	932	-	-	-	-	-
TOTAL MISCELLANEOUS PROJECTS B2020	5,650	2,000	-	-	-	-
TOTAL MISCELLANEOUS PROJECTS Future Borrow A (FB-A)	-	-	-	-	-	-
TOTAL MISCELLANEOUS PROJECTS Future Borrow B (FB-B)	-	-	-	-	-	2,700
State Revolving Fund (SRF) Grant Funds	-	-	-	-	-	-
System Development Charge (SDC)	-	-	-	-	-	-
GRANTS	-	-	-	-	-	-
IFCIP	-	1,850	1,200	1,900	2,350	1,350
	6,582	3,850	1,200	1,900	2,350	4,050

	2020	2021	2022	2023	2024	2025	TOTAL
2010 Bond Series	3,704	-	-	-	-	-	3,704
2013 Bond Series	2,744	-	-	-	-	-	2,744
2016 Bond Series	16,136	-	-	-	-	-	16,136
2020 Bond Series	84,576	37,414	1,600	-	-	-	123,590
Future Borrow A	-	-	28,000	20,771	5,400	-	54,171
Future Borrow B	-	-	-	20,324	35,890	26,478	82,692
State Revolving Fund (SRF)	5,088	3,000	8,000	8,000	8,000	4,350	36,438
System Development Charge (SDC)	500	1,000	500	500	500	594	3,594
GRANTS	13,061	-	-	-	-	-	13,061
Internally Funded CIP	3,000	10,400	14,500	14,500	15,000	18,000	75,400
	128,809	51,814	52,600	64,095	64,790	49,422	

 Yellow shade cell indicates fund reduction
 Blue shade cell indicates fund addition
 Green shade cell indicates future bond borrowing reduction