

1 **GUAM CONSOLIDATED COMMISSION ON UTILITIES**

2 **RESOLUTION NO. 23-FY2016**

3 **RELATIVE TO APPROVING THE GUAM WATERWORKS AUTHORITY'S "2015-**  
4 **2020 CAPITAL IMPROVEMENT PLAN (CIP) SUPPLEMENT"**

5  
6 **WHEREAS**, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities  
7 ("CCU") has plenary authority over financial, contractual and policy matters relative to the  
8 Guam Waterworks Authority ("GWA"); and  
9

10 **WHEREAS**, the Guam Waterworks Authority ("GWA") is a Guam Public  
11 Corporation established and existing under the laws of Guam; and  
12

13 **WHEREAS**, the CCU previously approved via Resolution No. 05-FY2016 the 2015-  
14 2020 Capital Improvements Plan ("CIP") dated October 27, 2015, which planned capital  
15 projects with expenditures coming from the 2015 bond issuance in the amount of One  
16 Hundred Twenty Eight Million Four Hundred Fifty Thousand Dollars (\$128,450,000.00);  
17 and  
18

19 **WHEREAS**, on February 25, 2016 GWA closed on the 2015 bond issuance that  
20 provided net proceeds for capital improvement projects in the amount of One Hundred Forty  
21 Million Nineteen Thousand Four Hundred Sixty Three Dollars (\$140,019,463.00) which is  
22 an additional Eleven Million Five Hundred Sixty Nine Thousand Four Hundred Sixty Three  
23 Dollars (\$11,569,463.00) above what was planned to acquire for the construction funds from  
24 the 2015 Bond proceeds; and  
25

26 **WHEREAS**, due to the additional 2015 bond proceeds that GWA was able to  
27 acquire, the 2015-2020 CIP as previously approved does not reflect this fact and as such  
28 GWA management requests approval by the CCU relative to the distribution of the additional  
29 proceeds within the CIP; and  
30

31 **WHEREAS**, the "2015-2020 CIP Supplement" (see Exhibit A) maintains the same  
32 capital line items as the previously approved 2015-2020 CIP, however the only difference is

1 some of the planned 2018 Bond proceeds were moved forward and some CIP line items  
2 received additional funding; and

3  
4 **WHEREAS**, the CIP line items that experienced fund allotment changes to the 2015  
5 bond proceeds and planned 2018 Bond are as follows:

- 6 • PW 05-09 "Leak Detection": \$1,000,000 was added to the CIP under the 2015  
7 Bond proceeds to accelerate work efforts related to reducing water leakage  
8 throughout the water system;
- 9 • PW 05-10 "Potable Water System Planning": \$1,000,000 of planned 2018  
10 Bond proceeds were moved forward into the 2015 Bond Proceeds to address  
11 design services for the water system, including alternatives for augmenting  
12 southern water transmission and distribution options, as well as to fund a  
13 portion of the Program Management Office Work Authorizations;
- 14 • PW 12-01 "Water Audit Program & Water Loss Control Plan": \$1,000,000 of  
15 planned 2018 Bond proceeds were moved forward into the 2015 Bond  
16 Proceeds to address projects specific to reducing GWA's Non-Revenue Water  
17 Losses;
- 18 • WW 11-03 "Baza Gardens STP Replacement": \$3,000,000 of planned 2018  
19 Bond proceeds were moved forward into the 2015 Bond Proceeds to  
20 supplement the construction fund needs for the first phase of the Court Order  
21 Project;
- 22 • WW 11-08 "Agat/ Santa Rita STP Replacement": \$3,000,000 was added to  
23 the CIP under the 2015 Bond Proceeds to supplement funds that may be  
24 necessary should the approved contingency funds fall short;
- 25 • MC 05-01 "Laboratory Modernization": \$500,000 was added to the CIP  
26 under the 2015 Bond Proceeds to supplement funds necessary given the  
27 designers cost estimate for the construction of the project was greater than the  
28 initially allotted amount, and to allow for some redundancy in critical  
29 equipment and furnishings;
- 30 • MC 09-01 "General Plant Improvements": \$2,069,463 was added to the CIP  
31 under the 2015 Bond Proceeds to supplement funding needs for various  
32

1 operational projects that may not necessarily have available funding from  
2 specific CIP line items.

3  
4 **WHEREAS**, the "2015-2020 CIP Supplement" reflects an overall CIP plan with a  
5 budget of (\$410,636,000.00) Four Hundred Ten Million Six Hundred Thirty Six Thousand  
6 Dollars to be spread out amongst the various CIP funding categories (See Exhibit B); and

7  
8 **WHEREAS**, the "2015-2020 CIP Supplement" shall serve as a bridging document  
9 until the annual CIP update occurs at the beginning of each fiscal year; and

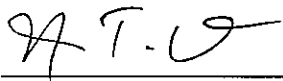
10  
11 **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on  
12 Utilities does hereby approve and authorize the following:

- 13  
14 1. The recitals set forth above hereby constitute the findings of the CCU.  
15 2. The 2015-2020 CIP Supplement attached as Exhibit A is incorporated into  
16 this resolution in its entirety.  
17 3. The CCU approves the "2015-2020 CIP Supplement" in its entirety and  
18 concurs with the distribution of the additional funds acquired during the  
19 closing of the 2015 Bond issuance.  
20 4. The CCU further authorizes GWA management to submit the "2015-2020  
21 CIP Supplement" to the PUC for their records and petition the PUC's  
22 approval to begin using the 2015 bond proceeds.

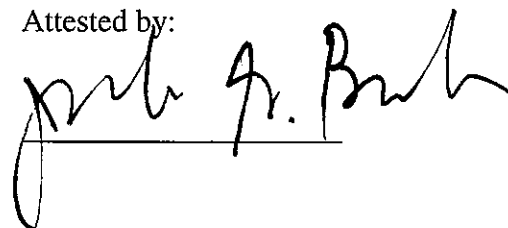
23  
24 **RESOLVED**, that the Chairman certified and the Board Secretary attests to the  
25 adoption of this Resolution.

26  
27 **DULY AND REGULARLY ADOPTED AND APPROVED** this 22<sup>nd</sup> day of  
28 March, 2016.

29  
30 Certified by:

31   
32 \_\_\_\_\_

Attested by:

  
\_\_\_\_\_

1 **JOSEPH T. DUENAS**  
2 Chairperson

**J. GEORGE BAMBA**  
Secretary

3  
4 I, J. George Bamba, Board Secretary of the Consolidated Commission on Utilities as  
5 evidenced by my signature above do hereby certify as follows:

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

10 AYES: 4  
11 NAYS: 0  
12 ABSTENTIONS: 0  
13 ABSENT: 1



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**E. CIP FUNDING TABLES**

Funding Source Key:

- 2010 Bond
- 2013 Bond
- 2015 Bond
- 2018 Bond
- System Development Charge
- Internally Funded CIP
- Grants (DOI, EPA ARRA, etc)
- State Revolving Fund
- B2010
- B2013
- B2015
- B2018
- SDC
- IFCIP
- GRANTS
- SRF

**Table 9.Potable Water Funding Table**

FS - Funding Source	2015		2016		2017		2018		2019		2020	
	FS	(x1000)	FS	(x1000)	FS	(x1000)	FS	(x1000)	FS	(x1000)	FS	(x1000)
PW 05-01												
PW 05-03												
PW 05-05												
PW 05-06												
PW 05-07												
PW 05-08												
PW 05-09												
PW 05-10												
PW 05-11												
PW 05-12												
PW 05-13												

# Exhibit A (2 of 7)

		SRF	5765	SRF	8215				
PW 05-14	New Deep Wells at Down Hard	B2010	1,321	B2015	1190				
PW 05-15	Rehabilitation of Asan Springs	B2010	596.6						
PW 05-16	Master Meters	GRANT	935						
PW 09-01	Ugum Water Treatment Plant Intake	B2010	8.9	B2015	3116				
PW 09-02	Water Wells	B2013	101						
PW 09-03	Water Distribution System Pipe Replacement and Upgrades	B2010	3.7	IFCIP	500				
PW 09-04	Pressure Zone Realignment / Development 2005 Improvements	B2013	4	B2015	18				
PW 09-06	Central Water Distribution System 2005 Improvements	B2013	1,000	B2013	1,861.5			B2015	2,500
PW 09-08	Mechanical/Electrical Equipment	B2010	71	IFCIP	2,500			B2018	4,000
PW 09-09	Water Reservoir Internal/External	B2013	7,000	SDC	2,000			SDC	500
PW 09-10	Water Reservoir Internal/External	B2013	0.23	B2015	569			IFCIP	500
PW 09-11	Water System Reservoirs 2005 Improvements	B2010	276	B2013	5,000.8			B2018	5,000
PW 11-01	Distribution System Upgrade	B2013	3.2	B2015	100				
PW 11-02	Ugum Water Treatment Plant Reservoir	B2013		B2015	800				
PW 12-01	Water Audit Program & Water Loss Control Plan	B2013	4,000	B2013	4,000			B2015	17,378
PW 12-02	Production Plan / Reduce Navy Purchases	B2010	25.8	B2015	24,972			B2018	18,250
PW 12-03	Hydraulic Assessment of Tanks	B2013	4,000	B2015	90			B2018	5,000
PW 12-04	Agana Heights & Chaot Tanks	B2010	22	B2015	1,000			IFCIP	1,800
PW 12-05	Tank Major Repair Yigo #1, Mangilao #2, Astumbo #1	B2010	30	B2015	1,220				
		B2013	3,000.9	B2015	1,895				
		B2010	592	B2013	3,078				
		B2013	7,000						

# Exhibit A (3 of 7)

		B2010	B2010	B2015	5000	B2015	5,500		
PW 12-06	Tank Replacement Pitti & Hyundai			B2015	1000	B2015	500		
PW 12-07	Assessment/Replacement of Maijloj Elevated & Yigo Elevated	B2010 200							
PW 12-08	Public Water System Asset Inventory/ Condition Assessment	B2013 500							
PW 12-09	Public Water System GIS & Mapping	B2010 50							
PW 14-01	Fire Hydrant Replacement Program			IFCIP B2015	1000 1000	B2015 500	B2015 500		500
<b>TOTAL POTABLE WATER PROJECTS (2010)</b>		4,745.0			-				-
<b>TOTAL POTABLE WATER PROJECTS B2013/FY2014</b>		22,780.8			15,730				-
<b>TOTAL POTABLE WATER PROJECTS B2015/FY2016</b>					28,626		39,144		22,378
<b>TOTAL POTABLE WATER PROJECTS B2017/FY2018</b>					-		-		6,000
<b>State Revolving Fund (SRF) Grant Funds</b>		7,515			9,998				-
<b>System Development Charge (SDC)</b>					2,000		500		500
<b>GRANTS</b>		1,638							-
<b>IFCIP</b>					5,000		13,300		2,800
		36,679			61,354		52,944		31,678
									33,250
									10,000

Table 10. Wastewater Funding Table

FS - Funding Source	2015		2016		2017		2018		2019		2020	
	FS	(x1000)	FS	(x1000)	FS	(x1000)	FS	(x1000)	FS	(x1000)	FS	(x1000)
WW 05-04			B2015	349			B2018	1000	B2018	1,000		
			B2013	71								
			SRF	1,783								
WW 09-01			B2013	592.5		1,700	IFCIP	500				
			B2015	1,054		B2015	350					
			SRF	4,519		SRF	3,324	B2015	1,000			
WW 09-02												
			B2010	16.9								
			B2013	833								
			B2015	2,920								
			IFCIP	2,000		IFCIP	2,000	IFCIP	500			
			SRF	11,579		SRF	4567					
WW 09-08			B2010	101								
WW 09-10			B2010	0.37								
WW 09-11			SDC	1,300								
			B2010	167				B2018	7,000			
			B2013	975				IFCIP	6000			
			IFCIP	500		B2015	9,000	B2015	3,700			
WW 11-03												
WW 11-04			B2015	527								
			B2013	102.3								
			B2010	692.7								
			B2010	2		B2013	11,433					
			B2013	48,200		B2015	3,000					
WW 11-08												
WW 12-01			B2010	175.4								
			SDC	1,500								
WW 12-02			B2010	54								
WW 12-03												
			B2015	827								
			B2013	500.8								
WW 12-04			B2010	350								



# Exhibit A (5 of 7)

WW 12-05	I&I SSES Central										
WW 12-06	I&I SSES Northern	SRF	355								
WW 12-07	Umatac Merizo STP Replacement			B2015	1000				B2018 9000 B2015 7,000		
WW 12-09	Wastewater Facility Back Up Power	SRF	460								
<b>TOTAL WASTEWATER PROJECTS (2010)</b>											
			1,559		-			-			-
<b>TOTAL WASTEWATER PROJECTS B2013/FY2014</b>											
			-		51,274.6			11,433			-
<b>TOTAL WASTEWATER PROJECTS B2015/FY2016</b>											
			-		6,677			12,350			15,700
<b>TOTAL WASTEWATER PROJECTS B2017/FY2018</b>											
			-		-			-			17,000
<b>State Revolving Fund (SRF) Grant Funds</b>											
			815		17,881			7,891			-
<b>System Development Charge (SDC)</b>											
			2,800		-			-			-
<b>GRANTS</b>											
			-		-			-			-
<b>IFCIP</b>											
			-		2,500			3,700			7,000
			5,174		78,333			35,374			39,700
											1,000

Table 11. Electrical Engineering Funding Table

FS - Funding Source	2015		2016		2017		2018		2019		2020	
	FS	(x1000)	FS	(x1000)	FS	(x1000)	FS	(x1000)	FS	(x1000)	FS	(x1000)
EE 05-02	B2010	8										
EE 09-01	B2013	520	B2015	100								
EE 09-02	B2010	95.7	B2015	250	B2015	250	B2015	150				
EE 09-03			B2015	323								
EE 09-04			B2013	2								
EE 09-05			B2013	350								
EE 09-07	B2010	43										
EE 09-08	B2010	25										
EE 09-09	B2013	0.64	B2015	1177								
			B2015	1,500	B2015	2500	B2015	2,500				
<b>TOTAL ELECTRICAL PROJECTS (2010)</b>		172		-		-		-		-		-
<b>TOTAL ELECTRICAL PROJECTS B2013/FY2014</b>		521		602		-		-		-		-
<b>TOTAL ELECTRICAL PROJECTS B2015/FY2016</b>				3,350		2,750		2,650		-		-
<b>TOTAL ELECTRICAL PROJECTS B2017/FY2018</b>				-		-		-		-		-
<b>State Revolving Fund (SRF) Grant Funds</b>				-		-		-		-		-
<b>System Development Charge (SDC)</b>				-		-		-		-		-
<b>GRANTS</b>				-		-		-		-		-
<b>IFCIP</b>				-		-		-		-		-
		692		3,952		2,750		2,650		-		-

Table 12. Miscellaneous Funding Table

FS - Funding Source	2015		2016		2017		2018		2019		2020	
	FS	(x1000)	FS	(x1000)	FS	(x1000)	FS	(x1000)	FS	(x1000)	FS	(x1000)
MC 05-01	B2013	1,000.5	B2015	1127								
MC 05-02	B2010	93.3	B2015	1998								
	B2013	2										
MC 09-01	B2010	30.5										
	B2013	184.7	IFCIP	2,500	IFCIP	2,000	IFCIP	1,000	IFCIP	1,000		
MC 15-01			B2015	250	IFCIP	500	IFCIP	200	IFCIP	200		
<b>TOTAL MISCELLANEOUS PROJECTS (2010)</b>		124										
<b>TOTAL MISCELLANEOUS PROJECTS B2013/FY2014</b>		1,187										
<b>TOTAL MISCELLANEOUS PROJECTS B2015/FY2016</b>				5,795		600						
<b>TOTAL MISCELLANEOUS PROJECTS B2017/FY2018</b>												
State Revolving Fund (SRF) Grant Funds												
System Development Charge (SDC)												
GRANTS												
IFCIP				2,500		2,500		1,200		1,200		
<b>TOTAL</b>		1,311		8,295		3,100		1,200		1,200		

# Exhibit B (1 of 1)

	2015	2016	2017	2018	2019	2020	TOTAL
2010 Bond Series	6,600	-	-	-	-	-	6,600
2013 Bond Series	24,489	67,606.8	11,433	-	-	-	103,529
2015 Bond Series	-	44,447	54,844.0	40,728.0	-	-	140,019
2017 Bond Series	-	-	-	23,000	34,250	10,000	67,250
State Revolving Fund (SRF)	8,330	27,879.0	7,891	-	-	-	44,100
System Development Charge (SDC)	2,800	2,000	500	500	-	-	5,800
GRANTS	1,638	-	-	-	-	-	1,638
Internally Funded CIP	-	10,000	19,500	11,000	1,200	-	41,700
<b>TOTAL</b>	<b>43,857</b>	<b>151,933</b>	<b>94,168</b>	<b>75,228</b>	<b>35,450</b>	<b>10,000</b>	<b>410,636</b>