



Speaker Won Pat <speaker@judiwonpat.com>

Messages and Communications

Speaker Won Pat <speaker@judiwonpat.com>
To: Guam Legislature Clerks Office <clerks@guamlegislature.org>

Thu, Aug 4, 2016 at 3:27 PM

8/4/2016

8/2/2016Guam State Clearing House

Guam Waterworks Authority; SAI#07806161183N 33-16-1875

----- Forwarded message -----

From: **Melissa Tayama** <melissa.tayama@guam.gov>
Date: Wed, Aug 3, 2016 at 1:01 PM
Subject: FEDERAL GRANT APPLICATION: SAI# 07806161183N
To: Speaker Won Pat <speaker@judiwonpat.com>

Buenas yan Hafa Adai Madam Speaker,

Please see attached documents for your review regarding the Guam Waterworks Authority's federal grant application.

Si yu'us Ma'ase'

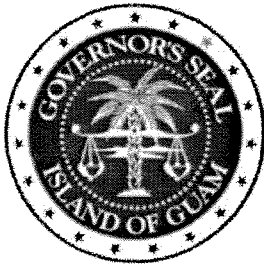
Melissa Tayama

Grant Specialist · Guam State Clearinghouse
OFFICE OF THE LIEUTENANT GOVERNOR
P.O.Box 2950 Hagåtña, Guam 96932
W. (671) 475-9384
E. melissa.tayama@guam.gov
F. (671) 472-2007
<http://gsc.guam.gov>

33-16-1875
Office of the Speaker
Judith T. Won Pat, Ed.D

Date: 8/4/16
Time: 3:27 pm.
Received By: [Signature]

2016 AUG -4 PM 4:44



Office of the Governor of Guam.

Ricardo J. Bordallo Governor's Complex, Adelup, Guam 96910
Tel: (671) 472-8931 • Fax: (671) 477-4826 • governor.guam.gov

Eddie Baza Calvo @eddiebazacalvo @governorcalvo governorofguam

Ufisinan I Etmàs Ge'helo'Gi Liheslaturan Guåhan
Office of Speaker Judith T. Won Pat, Ed.D.
Kumiten Idukasion Tinakhele', Kottura, Laibirihan Pubbleko siha yan Asunton Famalao'an
155 Hesler Place, Suite 201, Hagatna, Guam 96910
Tel: (671) 472-3586 Fax: (671) 472-3589
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2 attachments

SPKR.pdf
370K

GWA SAI#07806161183N.pdf
1730K

1875



GUAM STATE CLEARINGHOUSE

P.O. Box 2950 Hagåtña, Guam 96932

Tel: (671) 475-9380

Website: www.gsc.guam.gov

Email: clearinghouse@guam.gov

EDDIE BAZA CALVO

I Maga'lâhen Guahan

RAY TENORIO

I Segundu Na Maga'lâhen Guahan

Kate G. Baltazar

Administrator

August 02, 2016

HONORABLE JUDITH T. WON PAT, ED. D.

Speaker gi I Mina'Trentai Tres Na Liheslaturan Guåhan

155 Hesler Place

Hagåtña, Guåhan 96910

Ref: Guam Waterworks Authority; SAI#07806161183N

Hafa Adai Madam Speaker,

This letter is to respectfully notify you that the Guam State Clearinghouse (GSC) has received a federal grant application from the Guam Waterworks Authority (GWA). The GSC has accepted the application, assigned the State Application Identifier (SAI) 07806161183N and has initiated the process for an area wide review. An abstract of the project is provided below.

Grantor: U.S. Environmental Protection Agency

Grant Title/

Project Title: Environmental Protection Consolidated Grants for the Insular

Details: The GWA submitted a federal grant application amounting to \$8,900,000.00 ensuring protection of public health and the environment through the professional implementation and management of projects that improve the utility's water and wastewater systems. GWA's projects aim to improving water service quality and expanding GWA's SCADA network for both water and wastewater systems.

Start Date: 10/03/2016

End Date: 09/30/2020

Federal Grant: \$8,900,000.00

GSC conducts area wide reviews and solicits comments through electronic communication and this notice is sent to you as a part of the review process. A digital copy of the grant proposal is attached for your perusal. Please submit any comments you may have pertaining to this proposal to Melissa Tayama by **August 16, 2016** via email at melissa.tayama@guam.gov.

Dangkolo Na Si Yu'os Ma'åse',

Kate G. Baltazar

Administrator

MMT



GUAM STATE CLEARINGHOUSE

P.O. Box 2950 Hagåtña, Guam 96932
Tel: (671) 475-9380
Website: www.guamclearinghouse.com
Email: clearinghouse@guam.gov

EDWARD J.B. CALVO
I Maga'låhen Guahan

RAYMOND S. TENORIO
I Segundu Na Maga'låhen Guahan

Grant Project Application Notice of Intent to Apply for Federal Assistance

GSC FORM REVISED 03/21/2012

Guam State Clearinghouse Use Only

Date Received: 6/29/16
Received By: Melissa Tayama
SAI Number: 07806161183 N

Type of Application New Grant* Continuing Grant** Supplemental Grant** Other*

A.) DUNS Number 855020223

B.) Date Jun 24, 2016

C.) Applicant/Department Name Guam Waterworks Authority

D.) Division Planning & Grants Office, Engineering Department

E.) Applicant Address 688 Route 15 Mangilao, Guam 969

F.) Applicant/Department Point of Contact Information

Contact Person Name Prudencio Aguon/Jude Calvo Phone Number 300-6065/6066

E-mail Address prudencio@guamwaterworks.org / judecalvo@guamwaterworks.org

G.) Due Date to Federal Agency June 24, 2016

H.) Federal Funds

a.) Grant \$8,900,000.00

b.) Other

I.) Non-Federal, Matching Funds

a.) Local

b.) In-Kind

c.) Other

J.) TOTAL FUNDS \$8,900,000.00

K.) CFDA/Federal Program Name 66.600 Environmental Protection Consolidated Grants for the Insular

L.) Federal Agency Name U.S. Environmental Protection Agency

M.) Federal Agency Address 75 Hawthorne Street, WTR-3-3 San Francisco, CA 94105

N.) For Continuing or Supplemental Grants, Please provide the following information:

- a.) Initial Grant Period
- b.) Guam State Clearinghouse SAI Number
- c.) Grant Year This Application Impacts

O.) Has the Federal Funding Agency been notified? YES NO

P.) During which Fiscal Year will this program be implemented?

Q.) If the project requires local funding in addition to the federal funding requested, please specifically identify source and rationale:

R.) This program is: Budgeted - Please identify legal budget authority
 Non-Budgeted

S.) Will this program require the hiring of additional employees? Is YES, please provide the number of employees (both existing and new) and justification. YES - Existing New NO

T.) List Departments and Agencies that would be affected directly or indirectly by this application

N/A


U.) Please provide a Project Summary with supporting documents if needed.

The projects are to rehabilitate six water booster stations and equip GWA's water and wastewater facilities with SCADA ready instruments.

- V.) Please answer the following:
- a.) Does this application require an Environmental Impact Study? YES NO
 - b.) Will this application conflict with any existing law? YES NO
 - c.) Is enabling legislation required? YES NO
 - d.) Will the program require a maintenance of effort? YES NO
 - e.) Are in-kind services allowed for this program? YES NO
 - f.) Does this program allow an indirect cost rate to be applied? YES NO

SUBMITTED AND APPROVED BY:

Printed Name, Position/Title of Authorized Representative



SIGNATURE

Date

Grant Application Package

Opportunity Title:	EPA Mandatory Grant Programs
Offering Agency:	Environmental Protection Agency
CFDA Number:	66.600
CFDA Description:	Environmental Protection Consolidated Grants for the In
Opportunity Number:	EPA-CEP-01
Competition ID:	
Opportunity Open Date:	
Opportunity Close Date:	10/04/2020
Agency Contact:	Please consult your regional office.

This opportunity is only open to organizations, applicants who are submitting grant applications on behalf of a company, state, local or tribal government, academia, or other type of organization.

Application Filing Name:

Select Forms to Complete

Mandatory

Application for Federal Assistance (SF-424)

Optional

- Project Narrative Attachment Form
- Grants.gov Lobbying Form
- EPA KEY CONTACTS FORM
- EPA Form 4700-4
- Budget Information for Non-Construction Programs (SF-424A)
- Assurances for Non-Construction Programs (SF-424B)
- Budget Narrative Attachment Form
- Disclosure of Lobbying Activities (SF-LLL)

Instructions

[Show Instructions >>](#)

This electronic grants application is intended to be used to apply for the specific Federal funding opportunity referenced here. If the Federal funding opportunity listed is not the opportunity for which you want to apply, close this application package by clicking on the "Cancel" button at the top of this screen. You will then need to locate the correct Federal funding opportunity, download its application and then apply.

Application for Federal Assistance SF-424		
* 1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	* 2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	* If Revision, select appropriate letter(s): _____ * Other (Specify): _____
* 3. Date Received: 06/22/2016	4. Applicant Identifier: _____	
5a. Federal Entity Identifier: _____	5b. Federal Award Identifier: _____	
State Use Only:		
6. Date Received by State: _____	7. State Application Identifier: _____	
8. APPLICANT INFORMATION:		
* a. Legal Name: Guam Waterworks Authority		
* b. Employer/Taxpayer Identification Number (EIN/TIN): 66-0540236	* c. Organizational DUNS: 8550202230000	
d. Address:		
* Street1: Gloria B. Nelson Public Service Building, 688 Route 15	Street2: _____	
* City: Mangilao	County/Parish: _____	
* State: GU: Guam	Province: _____	
* Country: USA: UNITED STATES	* Zip / Postal Code: 96913-0000	
e. Organizational Unit:		
Department Name: _____	Division Name: _____	
f. Name and contact information of person to be contacted on matters involving this application:		
Prefix: Mr.	* First Name: Prudencio	
Middle Name: _____	* Last Name: Aguon	
Suffix: _____	Title: _____	
Organizational Affiliation: Guam Waterworks Authority		
* Telephone Number: 671-300-6066	Fax Number: _____	
* Email: prudencio@guamwaterworks.org or judecalvo@guamwaterworks.org		

Application for Federal Assistance SF-424

*** 9. Type of Applicant 1: Select Applicant Type:**

F: U.S. Territory or Possession

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

Environmental Protection Agency

11. Catalog of Federal Domestic Assistance Number:

66.600

CFDA Title:

Environmental Protection Consolidated Grants for the Insular Areas - Program Support

*** 12. Funding Opportunity Number:**

EPA-CEP-01

* Title:

EPA Mandatory Grant Programs

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

Delete Attachment

View Attachment

*** 15. Descriptive Title of Applicant's Project:**

Supplement for FY projects
In-kind EPA Technical Assistance
In-Kind EPA Contractor
Water Booster Stations Rehabilitation

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424

16. Congressional Districts Of:

* a. Applicant

* b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

17. Proposed Project:

* a. Start Date:

* b. End Date:

18. Estimated Funding (\$):

* a. Federal	<input type="text" value="8,900,000.00"/>
* b. Applicant	<input type="text" value="0.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="8,900,000.00"/>

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- a. This application was made available to the State under the Executive Order 12372 Process for review on
- b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**

Yes No

If "Yes", provide explanation and attach

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:

Middle Name:

* Last Name:

Suffix:

* Title:

* Telephone Number: Fax Number:

* Email:

* Signature of Authorized Representative: * Date Signed:

Project Narrative File(s)

* Mandatory Project Narrative File Filename:

To add more Project Narrative File attachments, please use the attachment buttons below.

CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

If any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions. Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* APPLICANT'S ORGANIZATION Guam Waterworks Authority	
* PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE	
Prefix: Mr.	* First Name: Miguel Middle Name:
* Last Name: Bordallo	Suffix: P. E.
* Title: General Manager	
* SIGNATURE: Prudencio Aguon	* DATE: 06/22/2016

EPA KEY CONTACTS FORM

Authorized Representative: *Original awards and amendments will be sent to this individual for review and acceptance, unless otherwise indicated.*

Name: Prefix: First Name: Middle Name:
Last Name: Suffix:
Title:
Complete Address:
Street1:
Street2:
City: State:
Zip / Postal Code: Country:
Phone Number: Fax Number:
E-mail Address:

Payee: *Individual authorized to accept payments.*

Name: Prefix: First Name: Middle Name:
Last Name: Suffix:
Title:
Complete Address:
Street1:
Street2:
City: State:
Zip / Postal Code: Country:
Phone Number: Fax Number:
E-mail Address:

Administrative Contact: *Individual from Sponsored Programs Office to contact concerning administrative matters (i.e., indirect cost rate computation, rebudgeting requests etc).*

Name: Prefix: First Name: Middle Name:
Last Name: Suffix:
Title:
Complete Address:
Street1:
Street2:
City: State:
Zip / Postal Code: Country:
Phone Number: Fax Number:
E-mail Address:

EPA KEY CONTACTS FORM

Project Manager: *Individual responsible for the technical completion of the proposed work.*

Name: Prefix: **First Name:** **Middle Name:**
Last Name: **Suffix:**
Title:

Complete Address:

Street1:
Street2:
City: **State:**
Zip / Postal Code: **Country:**
Phone Number: **Fax Number:**
E-mail Address:

Preaward Compliance Review Report for All Applicants and Recipients Requesting EPA Financial Assistance

Note: Read Instructions before completing form.

I. A. Applicant/Recipient (Name, Address, City, State, Zip Code)

Name:

Address:

City:

State: Zip Code:

B. DUNS No.

II. Is the applicant currently receiving EPA Assistance? Yes No

III. List all civil rights lawsuits and administrative complaints pending against the applicant/recipient that allege discrimination based on race, color, national origin, sex, age, or disability. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

IV. List all civil rights lawsuits and administrative complaints decided against the applicant/recipient within the last year that allege discrimination based on race, color, national origin, sex, age, or disability and enclose a copy of all decisions. Please describe all corrective actions taken. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

V. List all civil rights compliance reviews of the applicant/recipient conducted by any agency within the last two years and enclose a copy of the review and any decisions, orders, or agreements based on the review. Please describe any corrective action taken. (40 C.F.R. § 7.80(c)(3))

VI. Is the applicant requesting EPA assistance for new construction? If no, proceed to VII; if yes, answer (a) and/or (b) below.

Yes No

a. If the grant is for new construction, will all new facilities or alterations to existing facilities be designed and constructed to be readily accessible to and usable by persons with disabilities? If yes, proceed to VII; if no, proceed to VI(b).

Yes No

b. If the grant is for new construction and the new facilities or alterations to existing facilities will not be readily accessible to and usable by persons with disabilities, explain how a regulatory exception (40 C.F.R. 7.70) applies.

VII. Does the applicant/recipient provide initial and continuing notice that it does not discriminate on the basis of race, color, national origin, sex, age, or disability in its program or activities? (40 C.F.R. 5.140 and 7.95) Yes No

a. Do the methods of notice accommodate those with impaired vision or hearing? Yes No

b. Is the notice posted in a prominent place in the applicant's offices or facilities or, for education programs and activities, in appropriate periodicals and other written communications? Yes No

c. Does the notice identify a designated civil rights coordinator? Yes No

VIII. Does the applicant/recipient maintain demographic data on the race, color, national origin, sex, age, or handicap of the population it serves? (40 C.F.R. 7.85(a)) Yes No

IX. Does the applicant/recipient have a policy/procedure for providing access to services for persons with limited English proficiency? (40 C.F.R. Part 7, E.O. 13166) Yes No

X. If the applicant is an education program or activity, or has 15 or more employees, has it designated an employee to coordinate its compliance with 40 C.F.R. Parts 5 and 7? Provide the name, title, position, mailing address, e-mail address, fax number, and telephone number of the designated coordinator.

N/A

XI. If the applicant is an education program or activity, or has 15 or more employees, has it adopted grievance procedures that assure the prompt and fair resolution of complaints that allege a violation of 40 C.F.R. Parts 5 and 7? Provide a legal citation or Internet Address for, or a copy of, the procedures.

N/A

For the Applicant/Recipient

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. I assure that I will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized Official

Prudencio Aguon

B. Title of Authorized Official

General Manager

C. Date

06/22/2016

For the U.S. Environmental Protection Agency

I have reviewed the information provided by the applicant/recipient and hereby certify that the applicant/recipient has submitted all preaward compliance information required by 40 C.F.R. Parts 5 and 7; that based on the information submitted, this application satisfies the preaward provisions of 40 C.F.R. Parts 5 and 7; and that the applicant has given assurance that it will fully comply with all applicable civil rights statutes and EPA regulations.

A. *Signature of Authorized EPA Official

B. Title of Authorized Official

C. Date

*** See Instructions**

Instructions for EPA FORM 4700-4 (Rev. 06/2014)

General. Recipients of Federal financial assistance from the U.S. Environmental Protection Agency must comply with the following statutes and regulations.

Title VI of the Civil Rights Acts of 1964 provides that no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. The Act goes on to explain that the statute shall not be construed to authorize action with respect to any employment practice of any employer, employment agency, or labor organization (except where the primary objective of the Federal financial assistance is to provide employment). Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act provides that no person in the United States shall on the ground of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under the Federal Water Pollution Control Act, as amended. Employment discrimination on the basis of sex is prohibited in all such programs or activities. Section 504 of the Rehabilitation Act of 1973 provides that no otherwise qualified individual with a disability in the United States shall solely by reason of disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. Employment discrimination on the basis of disability is prohibited in all such programs or activities. The Age Discrimination Act of 1975 provides that no person on the basis of age shall be excluded from participation under any program or activity receiving Federal financial assistance. Employment discrimination is not covered. Age discrimination in employment is prohibited by the Age Discrimination in Employment Act administered by the Equal Employment Opportunity Commission. Title IX of the Education Amendments of 1972 provides that no person in the United States on the basis of sex shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Employment discrimination on the basis of sex is prohibited in all such education programs or activities. Note: an education program or activity is not limited to only those conducted by a formal institution. 40 C.F.R. Part 5 implements Title IX of the Education Amendments of 1972. 40 C.F.R. Part 7 implements Title VI of the Civil Rights Act of 1964, Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act, and Section 504 of The Rehabilitation Act of 1973. The Executive Order 13166 (E.O. 13166) entitled; "Improving Access to Services for Persons with Limited English Proficiency" requires Federal agencies work to ensure that recipients of Federal financial assistance provide meaningful access to their LEP applicants and beneficiaries.

Items "Applicant" means any entity that files an application or unsolicited proposal or otherwise requests EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Recipient" means any entity, other than applicant, which will actually receive EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Civil rights lawsuits and administrative complaints" means any lawsuit or administrative complaint alleging discrimination on the basis of race, color, national origin, sex, age, or disability pending or decided against the applicant and/or entity which actually benefits from the grant, but excluding employment complaints not covered by 40 C.F.R. Parts 5 and 7. For example, if a city is the named applicant but the grant will actually benefit the Department of Sewage, civil rights lawsuits involving both the city and the Department of Sewage should be listed. "Civil rights compliance review" means any review assessing the applicant's and/or recipient's compliance with laws prohibiting discrimination on the basis of race, color, national origin, sex, age, or disability. Submit this form with the original and required copies of applications, requests for extensions, requests for increase of funds, etc. Updates of information are all that are required after the initial application submission. If any item is not relevant to the project for which assistance is requested, write "NA" for "Not Applicable." In the event applicant is uncertain about how to answer any questions, EPA program officials should be contacted for clarification. * Note: Signature appears in the Approval Section of the EPA Comprehensive Administrative Review For Grants/Cooperative Agreements & Continuation/Supplemental Awards form.

BUDGET INFORMATION - Non-Construction Programs

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		Total (g)
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	
1. 66.600 Consolidated Grants	66.600	\$	\$	\$ 8,900,000.00	\$	\$ 8,900,000.00
2.						
3.						
4.						
5. Totals		\$	\$	\$ 8,900,000.00	\$	\$ 8,900,000.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1) 66-600 Consolidated Grants	(2)	(3)	(4)	
a. Personnel	\$	\$	\$	\$	\$
b. Fringe Benefits					
c. Travel					
d. Equipment					
e. Supplies					
f. Contractual	8,900,000.00				8,900,000.00
g. Construction					
h. Other					
i. Total Direct Charges (sum of 6a-6h)	8,900,000.00				8,900,000.00
j. Indirect Charges					
k. TOTALS (sum of 6i and 6j)	\$ 8,900,000.00	\$	\$	\$	\$ 8,900,000.00
7. Program Income	\$	\$	\$	\$	\$

SECTION C - NON-FEDERAL RESOURCES

(a) Grant Program		(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS
8.	66,600 Consolidated Grants	\$	\$	\$	\$
9.					
10.					
11.					
12.	TOTAL (sum of lines 8-11)	\$	\$	\$	\$

SECTION D - FORECASTED CASH NEEDS

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 8,900,000.00	\$ 2,225,000.00	\$ 2,225,000.00	\$ 2,225,000.00	\$ 2,225,000.00
14. Non-Federal	\$				
15. TOTAL (sum of lines 13 and 14)	\$ 8,900,000.00	\$ 2,225,000.00	\$ 2,225,000.00	\$ 2,225,000.00	\$ 2,225,000.00

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT

(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)			
	(b) First	(c) Second	(d) Third	(e) Fourth
16. 66,600 Consolidated Grants	\$	\$	\$	\$
17.				
18.				
19.				
20. TOTAL (sum of lines 16 - 19)	\$	\$	\$	\$

SECTION F - OTHER BUDGET INFORMATION

21. Direct Charges:

22. Indirect Charges:

23. Remarks:

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee- 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.
19. Will comply with the requirements of Section 106(g) of the Trafficking Victims Protection Act (TVPA) of 2000, as amended (22 U.S.C. 7104) which prohibits grant award recipients or a sub-recipient from (1) Engaging in severe forms of trafficking in persons during the period of time that the award is in effect (2) Procuring a commercial sex act during the period of time that the award is in effect or (3) Using forced labor in the performance of the award or subawards under the award.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL Prudencio Aguon	TITLE General Manager
APPLICANT ORGANIZATION Guam Waterworks Authority	DATE SUBMITTED 06/22/2016

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Budget Narrative File(s)

* **Mandatory Budget Narrative Filename:**

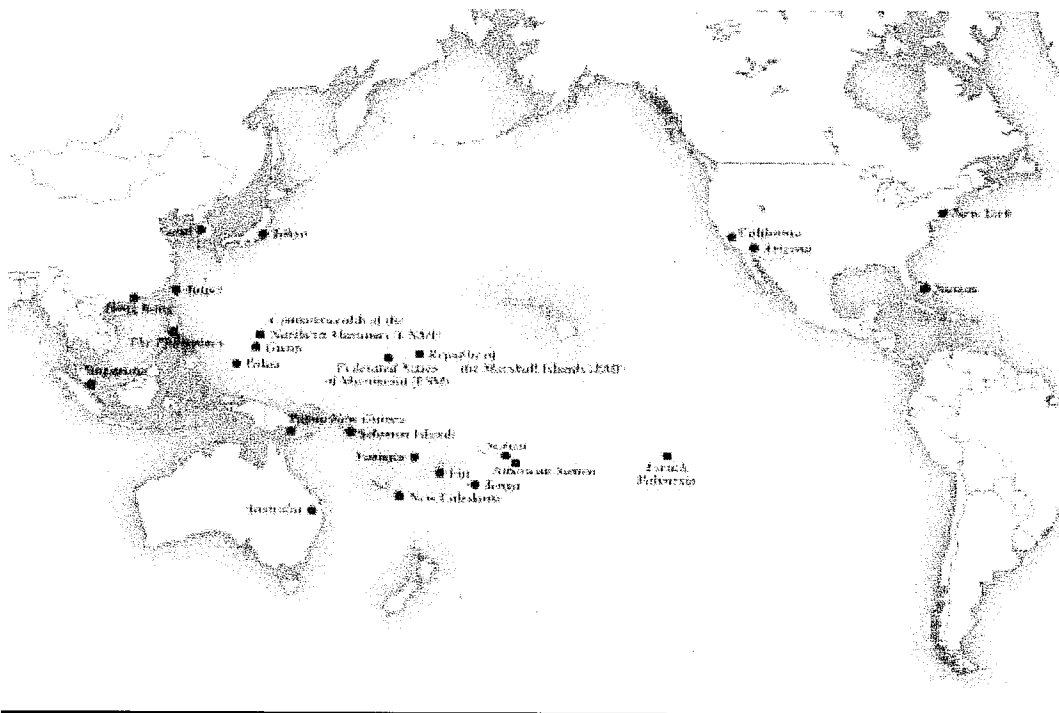
To add more Budget Narrative attachments, please use the attachment buttons below.

WORK PLAN (June 16, 2016)
GUAM WATERWORKS AUTHORITY (GWA)
EPA GRANT NO:

PROJECT NAME

**Water & Wastewater System Improvements, Guam, hereafter referred to as the
“Project”**

LOCATION



Guam is an island territory of the United States and is located 900 miles north of the equator in the Western Pacific. Guam covers approximately 220 square miles and is the largest island in Micronesia. It is often referred to the “Gateway” to the region because major airlines utilize the island as the hub to branch out to Micronesia. It is approximately 6,000 miles from San Francisco; 3,800 miles west of Honolulu; 1,500 miles south of Japan; 1,596 miles east of Philippines.

BACKGROUND

Guam Waterworks Authority (GWA) provides water (three public water systems) and wastewater services (seven wastewater treatment plants) to the people of Guam with a population of approximately 180,000.

Sources for the GWA drinking water system include approximately 120 wells (pumping approximately 37 MGD), 2-3 MGD raw water taken from the Ugum River, and treated at the Ugum Water Treatment Plant in southern Guam; and up to 4 MGD of purchased water from the Navy FENA WTP. Ground water is primarily extracted from the Northern Guam Lens Aquifer (NGLA) consisting of coral/karst geology which is highly vulnerable to microbial and other contamination. All wells are treated with chlorination/disinfection, and the Ugum SWTP treatment system operates with the use of low-pressure membrane micro-filtration. Treated water is pumped and gravity fed to the distribution systems that include approximately 700 miles of water pipelines, 36 finished water reservoir/storage tanks, and 36 booster pump stations. Most of the well water is pumped directly into the distribution system (i.e in general there is not a separate transmission system to storage).

GWA also provides wastewater collection and treatment for island residents of Guam and various local and federal government agencies. GWA operates seven wastewater treatment plants and its sewer collection and conveyance system with a total treatment capacity of approximately 26 MGD, 73 sewer pump stations and approximately 275 miles of sewer collection lines.

The Department of Defense (DoD) is in the middle of planning the relocation of a military Marine base from Okinawa to Guam but due to changes in the U.S. strategy and the DoD announcement of the Final Guam Water and Wastewater Assessment Report in Support Of The Economic Adjustment Committee Implementation Plan, the increase in population, the influx of construction workers and induced growth has yet to be determined. However, the planned military relocation from Okinawa to Guam will place additional stress on the GWA's water and wastewater infrastructure, further exacerbating compliance with the CWA and SDWA.

GWA desires to plan, design, build, operate, maintain, and manage GWA systems and facilities in a manner that provides long-term value while providing safe and reliable drinking and clean water to over 49,000 customers and meeting Guam's vision for growth and development in a sustainable manner.

In 2011 the Stipulated Order was replaced with a Court Order which required GWA: to improve the Northern District, Agana Treatment Plant to meet NPDES permit requirements, conduct a infiltration/inflow analyses and sewer system evaluation survey for the southern and central sewer basins, sewer cleaning/CCTV/hot spots inspections, and implement a storage tank/reservoir repair/rehabilitation/replacement and relocation program.

In late 2009, EPA initiated, with Department of Defense (DOD) funds, an independent assessment of GWA's master planning capabilities, which made recommendations regarding planning, prioritization and costing of capital improvement projects (CIP) operation and maintenance (O&M) of existing and future facilities, staffing needs, construction management and strategies for financing operations and CIPs. This work was completed on January 29, 2010.

In April 8, 2011 GWA and EPA agreed on hiring consultant firm CDM Smith (CDM).to provide technical and planning support in developing and implementing GWA's CIP program. The continuing technical and planning support has helped improve GWA's institutional capacity through the provision of assistance in: GIS and hydraulic modeling development; project planning and prioritization; development of standard operating procedures (SOPs) for all aspects of project planning and management, cost estimating, project identification/prioritization, procurement, contract administration program, construction management and work inspection program; utility-wide asset management program including O&M program; and conceptual project design development and review assistance. In addition, CDM has and will continue to provide technical support on specific projects.

PROJECT GOALS & OBJECTIVES

GWA aims to protect public health and the environment through the professional implementation and management of projects that improve the utility's water and wastewater systems.

The projects listed in Table 1 aim to improving water service quality and expanding GWA's SCADA network for both water and wastewater systems.

PROJECT COST

The planning period is from FY2016 thru FY2020 with a total funded amount of \$8,900,000.00. Please refer to the Project Cost Breakdown list.

PROJECT PERIOD

The project planned expenditure is from September 1, 2016 to December 31, 2020. The projects that fall under the FY2016 funds are expected to be fully constructed during the grant project and budget period.

Please refer to the Milestone Schedule.

ENVIRONMENTAL NARRATIVE

- *Area Description* – The Water and Wastewater facilities are located on designated lots from Department of Land Management. The collection, transmission and distribution lines are either on public easement or road right of way. All of

GWA's facilities are on public lands. All applicable BMPs will be implemented to reduce impacts to environmental and historic cross-cutters.

- *Shoreline, Beaches, Wetlands* – The facilities to be rehabilitated or equipped with SCADA are located inland away from the intrusion of beach shoreline, largely are situated on hillsides and plain land. Work will be performed within the foot print of the facility.
- *Vegetation and Wildlife Resources* – The Water and Wastewater projects will not have any impacts to threatened or endangered species.
- *Hazardous Toxic Substances* – The Water and Wastewater projects will not store, transport, handle, produce or dispose of any hazardous materials.
- *Streets, Traffic* – The project sites are mostly situated on a secluded dedicated land away from public traffic route.
- *Air Quality* – The construction activity will not have any significant effect on air quality within the vicinity.
- *Noise* – The noise level will be typical of light motorized construction equipment, transporting to and from the site and construction small tools.
- *Construction* – The project activities are mainly rehabilitating booster stations, and installing SCADA ready equipment to various water and wastewater facilities.
- *Permits* – The project is fortunate from the standpoint of major construction permits, since most are located on disturbed areas.

The following are Guam Agencies that are part of the construction permitting process and are required to review and comment:

1. Bureau of Planning, Coastal Zone Management Program Office
2. Guam Environmental Protection Agency
3. Park & Recreation, Historic Preservation Office (SHPO)
4. Department of Public Works, Building Permits Section (DPW)
5. Department of Agriculture, Division of Fish and Wildlife

The standard construction specification requires the Contractor to secure all the necessary permits for the project.

The USEPA Region-IX will undertake the NEPA process for each project the NEPA process must be complete before USEPA award funds to GWA for any project. There is no guarantee that every project will receive a Categorical Exclusion (CatEx).

- *Public Notification* - GWA, upon receipt of permit application will determine if the project falls under major or minor siting category.
- *Historical/Archaeological Properties* – There will be no surface elements of historic and/or pre-historic significance that will be impacted by the project, however the historical clearance will be secured from the local Historical Preservation Office.

PROJECT IMPLEMENTATION

General Project Approach

SRF projects are identified, selected, and ranked utilizing a panel consisting of GWA and the Guam Environmental Protection Agency. The projects are ranked primarily based on public health concerns, water resource protection and compliance issues. In addition, as the projects are prioritized, the projects are scheduled to best utilize data collection and assessment of DW and WW assets.

GWA follows the Procurement Regulations under Guam Code Annotated Chapter 5. All projects are advertised for competitive procurement. Thereafter, the project is to be awarded to the lowest responsive and responsible bidder or qualification based selection in accordance with the procurement process of GWA.

Project Inspection and Management

For infrastructure a Construction Management (CM) firm shall be contracted for full time oversight of the project. The CM Engineer shall be responsible for preparing daily site reports. It shall be the CM firm's responsibility to keep the GWA project manager informed of the project's progress, as sure safe construction regulations are adhered to and oversee all construction activities. Additionally, the CM will ensure that all workmanship and materials (quality assurance) are as per specification, of highest quality and within cost and project schedule. The CM firm shall be contracted before finalization of the design.

As-Built

For construction projects, the Contractor is required to submit "As-Built" drawings to GWA and the EPA Project Officer and to maintain accuracy of the drawings during construction. Electronic as-built drawings and reproducible hard copies are required.

Operation and Maintenance

For construction projects, the project scope requires the Contractor to submit a "Plan of Operation" and "Operation and Maintenance Manual" of all the equipment that has to be replaced and newly installed in the water and wastewater facilities.

FINANCIAL PROCESS AND DOCUMENTATION

Financial Management

Project funds will be administered in accordance with applicable Guam laws and regulations as well as USEPA's the grant terms and conditions.

All project expenditures shall be processed through the regular GWA financial management system administered by the GWA Chief Financial Officer (CFO)'s Office. The following procedures will be followed:

- a) No contract purchases or other expenses shall be made until properly obligated and certified funds are available.
- b) No obligation can be incurred prior to allotment of funds for such obligation.
- c) GWA's Accounting Division shall maintain complete accounting documents for the project, including cash receipts and disbursement journals, payroll journals, purchase journals, and work order accounts with initial supporting documentations and other payment logs. Project financial reports shall be generated from these records on a monthly basis. GWA's CFO shall provide the construction Project Manager with a pertinent prime documents, memos, financial reports, and records of obligations and payments.
- d) The construction Project Manager/Engineer shall maintain a separate independent set of financial records for the project including all account files with all pertinent prime documents, memos, and records of obligations and payments. These records shall be reconciled monthly with proper account status reports generated by the CFO/Project Manager.
- e) All projects will be tracked separately for grant funding purposes.

Documentation

In addition to the records required to be kept under the proceeding paragraphs of this section, the following non-financial documentation will be maintained:

- a) General correspondence, contract documents, bonds, permits, reports, logs, and related documents associated with vendors, contractors, and other parties involved in the project.
- b) Monthly project status and quarterly summary reports. In addition to a narrative description of project progress and problems, these reports shall quantify work-in-place, materials on hand, received and distributed, work hours paid out of the grants by individual, equipment condition, repairs and operating costs, project receipts, and expenditures during the report period.
- c) Submittal log, contractor's submittal and shop drawings.
- d) Inspector's daily reports.
- e) Photographic records of the project.
- f) Project As-Built drawings and notes, as appropriate.

USEPA Reporting Requirements

The following items shall be submitted to the Project Officer (PO) for review and/or approval:

- a) All project plans, specifications and contract documents for review prior to bid solicitation.
- b) All Request For Proposals, Scope of Works as required by the grant conditions and Project Implementation Plans for each respective project.
- c) Prior to contract award, copies of bids, bonds, comparative bid tabulations, and other information supporting the basis of contractor selection shall be submitted to PO for review in accordance with 40 CFR Part 33.250.
- d) Prior to issuance of change order, copies of all change orders proposals, cost determinations, justification and other supporting documentations shall be submitted to Project Officer for approval. Change Order requests shall follow EPA or other approved guidelines.
- e) Documentation relating to any contractor disputes or claims.
- f) Final project inspections reports, final closeout reports and punch-lists from the CM.
- g) Copies of project acceptance and contractor's release of claims.
- h) Submission of quarterly project performance and progress reports in accordance with Programmatic Conditions P5.

Project Budget

Please refer to the attached Work plan Project Funding Summary.

FY2016 (Funding/Water & Wastewater)	\$8,900,000
Total	\$8,900,000

Grant Budget Summary

USEPA In-Kind, etc (Technical Assistance)	\$10,650
USEPA In-Kind, etc (EPA Contractor)	\$1,000,000
<u>Contractual</u>	<u>\$7,889,350</u>
T o t a l	\$8,900,000

Programmatic Project Management Plan (PPMP)

A Programmatic Project Management Plan (PPMP) shall be developed and submitted to the Project Officer for review and approval prior to commencement of any project to be funded by this grant. The PPMP shall evaluate all of the planning and construction projects to be funded by this consolidated grant and other relevant projects GWA will be implementing, to identify any linkages between projects that may require information, decisions, sequencing or project completion in order to successfully complete each

project. The scheduling, funding, the planning and infrastructure completion requirements will be prepared in a detailed implementation plan (including budget and schedule) to move all projects forward. The PPMP shall be submitted within ninety (90) days of approval of this Work plan.

Project Milestones and Deliverables

EPA's GWA Programmatic Grant Conditions, P7 and P8, require that:

- “For each project described in the Work Plan, the recipient shall submit draft Scopes of Work, Request for Proposals, and/or Plans and Specifications, as appropriate...”
- For Projects described in the Work Plan that include performance of data collection, a QA Plan, or other comparable document covering QA activities must be prepared. The recipient should consult with EPA...”

Project Implementation Plan

A Project Implementation Plan shall be submitted to the Project Officer for review and approval for each project GWA will be initiating in accordance to the approved PPMP. The Project Implementation Plan (PIP) shall provide a detailed scope, project schedule, and deliverables in accordance with this Workplan and the programmatic conditions of the grant which are necessary to successfully complete each project. GWA will be initiating the following projects:

- Water Booster Pump Station Rehabilitation
- Public Water and Wastewater SCADA Network
- Supplement for FY 2014 projects

Where necessary, the PIP will also include GWA's written level of commitment and resources necessary to support tasks to be carried out by the EPA contractor to ensure successful project implementation and completion. The level of support performed by the EPA contractor is defined in the Technical Assistance portion of this Work plan.

The PIP will incorporate milestones for deliverables specific to the project contained in Tables 1, as appropriate.

Prior to submission to the EPA Project Officer, GWA shall have a third party review of each PIP to perform a review of the assumptions, analysis, and recommendations for each project or GWA may contract out the development of the PIP to a qualified firm. The third party will review all documents included as part of the PIP and make recommendations to ensure the adequacy of the assumptions, analysis, schedule, estimated costs and scope of the project. GWA will provide a copy of the third party's recommendations with PIP. Upon approval of the PIP by the Project Officer, GWA may implement the project per the approved PIP.

Table 1. Water and Wastewater Projects (Interim Milestones and Deliverables)

Description of Project/Work Plan Goals/Tasks	Estimated Start and End Dates	Deliverables/Interim Milestones	Estimated Project Cost	Responsible Staff
1.) Project cost supplements for FY 2014 water and wastewater projects	10/1/2015 to 9/30/2019	<ul style="list-style-type: none"> To be established later. 	\$3,758,577	GWA CIP Engr
2) Water Booster Station Rehabilitation – To design and rehabilitate the following booster pump stations: Gayinero, Toguan, Geus, Santa Ana Lower, and Chalan Palauan.	Project duration: 21 months	<ul style="list-style-type: none"> The project will be procured through a design-bid-built. 	\$2,130,773	GWA CIP Engr
Task 1: Design	9 months	<ul style="list-style-type: none"> TM Basis of design, data gathering, preparation of contract document, USEPA approval. USEPA contract approval issue Notice to Proceed to contractor, project begins. Upon design completion (60% design) GWA will prepare document to procure a Contractor for construction. USEPA contract approval. 	\$200,000	GWA CIP Engr
Task 2: Construction	12 months	<ul style="list-style-type: none"> Procurement of contractor for constructions and construction manager to oversee project and document milestones. USEPA & GWA Approval: Construction, Change Orders, O&M manuals, testing and commissioning. 	\$1,930,773	GWA CIP Engr
3) Public Water & Wastewater SCADA Network – To design and equipped SCADA ready instruments to several water (Water Hydraulic Model project-additional sites: Wells: D5, D2, D4, D6, D7, D8, D9, D10, D11, D14, D15, D16, D17, D18, EX5, EX11, G501, M1, M2, M3, M4, M5, M6, M7, M8, M9, M12, M14, M15, M18, M23, Booster stations: Hyundai, Latte Hgts) and wastewater facilities (Umatac-Merizo PS19, Macheche, Ypaopao, Santa Ana, Paseo De Oro, Chaligan,	Project duration: 21 months	<ul style="list-style-type: none"> The project will be procured through a design-bid-built. 	\$2,000,000	GWA CIP Engr

Description of Project/Work Plan Goals/Tasks	Estimated Start and End Dates	Deliverables/Interim Milestones	Estimated Project Cost	Responsible Staff
<p>Mongmong, Maite, Piti, Asan).</p> <p>Task 1: Design</p>	<p>9 months</p>	<ul style="list-style-type: none"> • TM Basis of design, data gathering, preparation of contract document, USEPA approval. • USEPA contract approval issue Notice to Proceed to contractor, project begins. • Upon design completion (60% design) GWA will prepare document to procure a Contractor for construction. USEPA contract approval. 	<p>\$200,000</p>	<p>GWA CIP Engr</p>
<p>Task 2: Construction</p>	<p>12 months</p>	<ul style="list-style-type: none"> • Procurement of contractor for constructions and construction manager to oversee project and document milestones. • USEPA & GWA Approval: Construction, Change Orders, O&M manuals, testing and commissioning. 	<p>\$1,800,000</p>	<p>GWA CIP Engr</p>