REQUEST FOR WHITE PAPERS (RWP)

RWP Number	N11011-25-RP-00002
RWP Title:	Water and Wastewater (w/ww) Technology and Resilient Service
Issued by	Consortium Management Group, Inc.
White Papers Due Date/Time	October 13, 2025 / 4PM ET
Submit White Papers To	RWP@cmgcorp.org

Statement of Need

Title of Requirement: Water and Wastewater (w/ww) Technology and Resilient Service

Project Number: N11011-25-RP-00002

Security Classification: Unclassified

Estimated Funding Amount: Dependent Upon Solution

Estimated Period of Performance: October 2025 – October 2030

Problem Statement (Capability Gap):

The United States Marine Corps (USMC) operates and maintains extensive water and wastewater (w/ww) infrastructure across its domestic installations to support mission-critical operations, base personnel, and dependents. Much of this infrastructure is aging, vulnerable to resiliency-related impacts, and increasingly inefficient to operate and maintain. Traditional acquisition methods have not always delivered the innovation, speed, or adaptability needed to meet growing infrastructure challenges.

USMC has a need to modernize its w/ww systems. As part of this requirement w/ww expenditures compete with USMC priorities such as personnel, flight hours, ordnance, weapon systems, and equipment all critical to the USMC mission. Department of Defense (DoD) installations serve as platforms from which the department employs forces across the full spectrum of military operations. These installations rely on the use of utilities, including w/ww, to accomplish their missions.

Risks to the reliable provision of utility services on DoD installations can come from a variety of sources, such as deferred maintenance due to persistent budget constraints, extreme weather, mechanical failures, and even cyberattacks. To mitigate these risks and decrease the w/ww consumption across installations, the USMC seeks to improve the reliability, resilience, and recapitalization/modernization of its w/ww infrastructure.

Brief Problem Statement/Capability Gap:

The Government is considering a new alternative, non-traditional approach to enable the USMC to modernize and add capacity to its w/ww infrastructure at the speed of business. The USMC is seeking to use a prototype business approach to provide installations with state-of-art w/ww Technology and Resilient Service (WTRS) to meet USMC installation mission requirements. This OT-use approach leverages industry's maintenance and operations models to prioritize infrastructure recapitalization via a Good-Bad-Failing rating

model, establishes a baseline repair Plan of Actions and Milestones (POA&M) for existing w/ww infrastructure resources repairs, which will reduce w/ww usage to provide the financing needed to repair and upgrade the w/ww infrastructure and provide much needed In Kind Consideration (IKC) to the USMC installations for infrastructure repairs needed to maintain mission readiness. The WTRS concept seeks to empower the USMC to modernize in a cost-effective and predictable manner.

The USMC is seeking innovative approaches that detail:

- Phased technical and management approach
- Notional project POA&M
- Funding sources and investor strategies
- Identification of enabling statutory authorities
- Alternative ownership with short and long term infrastructure recapitalization and operational strategies
- Infrastructure sustainment models
- Any other considerations required to support the project

In addition, the prototype solution should consider all applicable Title 10 authorities that can be used to maximize efficiency, reduce costs to the USMC, and accelerate project delivery. The USMC envisions three (3) pilot installations: Marine Corps Air Station (MCAS) Miramar, Marine Corps Base (MCB) Camp Pendleton, and MCB Quantico; however, the USMC is not limited to only these pilot installations and may consider other USMC installation(s).

Potential technologies / upgrades to be considered include:

- Leak detection, repair, and replacement
- Plant equipment operations and maintenance, repair, and construction
- New w/ww industry technology
- Distribution infrastructure upgrades, to include, piping, pumping, and treatment systems
- W/ww reclamation initiative
- Effluent process cooling
- Anerobic digestion pilot
- Energy efficient equipment
- Upgraded SCADA systems
- Industrial Internet of Things (IoT) enhanced reliability and efficiency
- W/ww conservation measures
- Automated sub-metering and tracking
- Cogeneration or onsite renewable energy implementation
- Robotics applications

- Cost effective energy resiliency methods

The Government anticipates selecting prototype candidate(s) whose White Papers represent the best technical performance and highest business value/IKC to the USMC.

Production: Successful completion of the initial prototype may result in award of follow-on production under provisions of Other Transaction Authority 10 U.S.C. § 4022 (f). Note that size, scope, and value of potential follow-on activities may vary.

White Paper Instructions and FAQs

Overview

A Request for White Papers (RWP) is being issued to solicit White Papers (WPs) from consortium members that detail their proposed solutions to address the challenges outlined in the corresponding Government Statement of Need (SON). WPs must conform to the template and follow the instructions provided. Consortium members are solely responsible for all expenses associated with responding to RWP.

Consortium members can submit WPs individually or as a team. Non-member entities may only participate on a project team led by a consortium member. CMG will provide assistance to all interested members. Draft WPs must be submitted to CMG by the member deadline specified in the RWP. Upon receipt, CMG will conduct its compliance reviews to ensure that each WP meets the requirements of the SON and adheres to the OT statutory requirements. The final WPs will be forwarded to the Government by CMG.

Each WP must meet one of the following conditions:

There is at least one nontraditional defense contractor or nonprofit research institution participating to a significant extent in the prototype project, or

All significant participants in the transaction other than the Federal Government are small businesses (including small businesses participating in a program described under section 9 of the Small Business Act (15 U.S.C. 638)) or nontraditional defense contractors, or

At least one third of the total cost of the prototype project is to be paid out of funds provided by sources other than the Federal Government.

The Government will conduct its evaluation of WPs based on an integrated assessment of the following:

- The degree to which the solution meets the requirements of the *SON*.
- Evaluation of the potential impacts of the data rights assertions.
- Evaluation of the significant participation by NDCs or proposed resource-share.
- Evaluation of proposed ROM price against Government funding profile.

For each WP, the Government will make a determination whether to:

- Select the WP(s), or some portion of the WP(s), and/or
- Retain the WP(s) in a library for potential future requirements in accordance with the terms of the base consortium OTA.

The Government's decision will be provided to CMG and notification will be made by CMG to the cognizant members.

White Paper Cover Sheet

WPs shall include a cover sheet, not counted toward the page limit, which includes:

- Prototype Project Title
- Primary point of contact, secondary point of contact, and FSO, if applicable, including name, address, phone, and e-mail contact information
- Total project Rough-Order-of-Magnitude (ROM) price and net cost to the Government
- Representation Regarding Use of Covered Telecommunications Equipment or Services: Please review *FAR 52.204-24, Representation Regarding Certain Telecommunications and Video Surveillance Services or Equipment,* at: https://www.acq.osd.mil/dpap/dars/far/doc/52_204_24.docx. If either box on the Cover Sheet is checked yes, please provide all required disclosures as described in the provision. Required disclosures do not count toward the page limit.

White Paper Format

The WP template is provided in this RWP. The following formatting requirements apply:

- Times New Roman 10 (or larger), single-spaced, single-sided, 8.5 by 11 inches
- Smaller type may be used in figures and tables, but must be clearly legible
- Margins on all sides (top, bottom, left and right) should be at least 1 inch
- Page limit is ten (10), excluding White Paper Cover Sheet and *Affirmation of Business Status Certification(s)*
- Shaded text in the White Paper Template indicates areas for entry of information by the member. Shading should be removed before submittal of the White Paper.
- All White Papers must be in a searchable format.

DO NOT SUBMIT ANY CLASSIFIED INFORMATION

White Paper Requirements

Each WP shall contain the following information:

1.0 Background and Benefits of Proposed Solution
2.0 Technical Approach
3.0 Schedule and Deliverables
4.0 Participants
5.0 Data Rights Assertions
6.0 ROM Pricing

Affirmation of Business Status Certification

All WPs must include a signed Affirmation of Business Status Certification for each participant listed in Section 4.0 of the WP template. The certifications will not count toward the page limit.

Points of Contact

Questions regarding White Paper procedures should be directed to the CMG Contract Management Office, 540-937-6300, Attn: rwp@cmgcorp.org

WHITE PAPER TEMPLATE

RWP Number	Insert RWP Number from Request for White Papers (RWP) cover page			
Proposed Project Title	Insert Title from RWP cover page			
Submittal Date	To be completed by Consortium			
Submitted By	Insert Consortium Member name			
Facility CAGE Code	Insert Facility CAGE Code			
Consortium Member Point of Contact (POC)* *Note: POCs shall be from the prime member's organization, please do not insert contact information for subcontractor participants.	POC Name POC Address POC Phone POC Email	Primary	Secondary	FSO
Representation Regarding Use of Covered Telecommunications Equipment or Services FAR 52.204-24	The solution provides covered telecommunications equipment or services to the Government in the performance of any contract, subcontract or other contractual instrument resulting from this solicitation. Yes ☐ No ☐ The solution uses covered telecommunications equipment or services, or uses any equipment, system, or service that uses covered telecommunications equipment or services. Yes ☐ No ☐			
Signed (electronic signature is acceptable)	X_____			
Total Project ROM Price	$ Insert Total Proposed Project Price Including 1.5% Consortium Fee			
Proposed Project Resource Share	$ Insert Amount of Resource Share (if applicable)			
Net Government Cost	$ Insert total ROM price less Proposed Resource Share			

Amounts should be presented in whole dollars only

SECTION 1.0 BACKGROUND AND BENEFITS OF PROPOSED SOLUTION

Describe the proposed solution, including how the Government's requirements shown in the Statement of Need are being addressed. Provide a brief description of the "new" capability that will result.

SECTION 2.0 TECHNICAL APPROACH

Describe the design and detailed technical approach for achieving the proposed prototype solution. Clearly describe the proposed prototype and ensure that it is included as a deliverable in Section 3.0.

SECTION 2.1 PROJECT TASKS

Describe the specific tasks required for project execution. If a phased/element approach is indicated in the Government Statement of Need, the tasks shall be detailed by phase/element.

SECTION 2.2 RISKS

Describe the technical maturity of the proposed solution and its readiness *to meet the Government's requirements. Describe any technical, cost and schedule risks associated with achieving the proposed solution.*

SECTION 3.0 PROJECT SCHEDULE AND DELIVERABLES

Milestone	Deliverable	1. Estimated Delivery (Months after Award)
Insert list of milestones	Insert list of deliverables associated with each milestone (at a minimum, the proposed prototype and a final report must be included as deliverables)	2. Insert estimated lead time in terms of months after award for each milestone/deliverable.

The total proposed project duration is [Insert proposed period of performance in months] months from project award.

SECTION 4.0 PARTICIPANTS

List all participants in the proposed project, including a description of the specific tasks for each participant and the significance of their tasks to the overall execution or outcome of the proposed project.

Participants (including Consortium Member)	Business Status (check one)	Participant tasks and significance to this project
Insert Consortium Member	☐ Traditional ☐ Non-traditional ☐ Nonprofit Research Institution	A.) What specific tasks will this Participant be accomplishing for this project? B.) Why are these Participant's tasks significant to this project? (Note, experience is not a measure of the level of significance). C.) How is this Participant qualified to provide these tasks for this project?

Participants (including Consortium Member)	Business Status (check one)	Participant tasks and significance to this project
Insert separate row(s) for each additional participant. Delete row(s) as applicable if Consortium Member is the only participant.	☐ Traditional ☐ Non-traditional ☐ Nonprofit Research Institution	A.) What specific tasks will this Participant be accomplishing for this project? B.) Why are these Participant's tasks significant to this project? (Note, experience is not a measure of the level of significance). C.) How is this Participantt qualified to provide these tasks for this project?

SECTION 5.0 DATA RIGHTS ASSERTION

All intellectual property, patents and inventions involved in the proposed solution and the associated restrictions on the Government's use of that intellectual property, patents and inventions are presented in the table below:

Technical Data/ Computer Software/ Patent to be Furnished with Restrictions	Basis for Assertion	Asserted Rights Category	Name of Entity Asserting Restrictions
Identify the technical data/software/patent to be furnished with restriction (insert "None" if no restrictions apply)	Indicate whether development was exclusively or partially at private expense. If development was not at private expense, enter the specific reason for asserting that the Government's right should be restricted	Insert asserted rights category (e.g., limited rights (data), restricted rights (software), government purpose rights, SBIR data rights or specifically negotiated license)	Insert corporation or individual

**If COTS licenses will be required, please list them here.*

SECTION 6.0 ROUGH ORDER OF MAGNITUDE (ROM) COST

The Government will consider affordability in making its selection decision. Therefore, ROM pricing information is required.

Resource-share (if applicable) is proposed as follows:

Cash into Project: [Describe and quantify the proposed cash contribution(s) being made for use on the project, or insert N/A].

In-Kind Contributions: [Describe and quantify the proposed in-kind contribution(s) being made for use on the project. Describe the benefit the resource share provides to the proposed project, or insert N/A].

Cost Element	Total	Description/Comments
Prime Contractor Labor	$	Insert generic position titles, estimated rates and labor hours
Subcontractor/Consultant Labor	$	Insert generic position titles, estimated rates and labor hours. If more than one Subcontractor is listed, provide cost break-out by Subcontractor.
Material/Equipment	$	Insert list of proposed material/equipment, including a high-level cost breakout.
Other Direct Costs (ODC)	$	Describe proposed ODC (outside services, conference fees, software licenses, other fees/royalties, etc.) Provide a high-level cost breakout.
Travel	$	Describe estimated travel (e.g., travel to customer site(s) for meetings, etc.) Provide a cost basis/ cost breakout per trip.
Proposed Project Total	$	Sum of cost elements
Consortium Fee	$	1.5% Applied to Total Price per OTA terms
Total Project ROM Price	$	Total Proposed Project Price Including 1.5% Consortium Fee
Proposed Project Resource Share	$	Describe Resource Share (if applicable)
Net Government Cost	$	Total ROM Price less Proposed Resource Share

Amounts should be presented in whole dollars only

Affirmation of Business Status Certification

Each participant shall complete a separate certification. These certifications will not count toward the page limit.

Participant Name	
Proposed NAICS Code	
Industry Size Standard (Small/Large)	
Unique Entity ID (UEI).	
CAGE Code	
Tax Identification Number (TIN)	
Active SAM Registration	☐ Yes ☐ No Expiration Date:
Address 1	
Address 2	
City/State/Zip	
POC Name/Title	
POC Phone/Email	

Check one of the following boxes:

☐ Non-traditional Defense Contractor (NDC) — A Non-traditional Defense Contractor is an entity that is not currently performing and has not performed, for at least the one-year period preceding the issuance of this Request for White Papers by the Department of Defense, any contract or subcontract for the Department of Defense that is subject to full coverage under the cost accounting standards prescribed pursuant to Section 1502 of Title 41 of the U.S. Code and the regulations implementing such section.

☐ Nonprofit Research Institution — means a nonprofit institution, as defined in 15 U.S.C. §3703, and includes federally funded research and development centers, as identified by the National Scientific Foundation in accordance with the Government-wide Federal Acquisition Regulation issued in accordance with 41 U.S.C. §1303(a)(1) (or any successor regulation thereto).

☐ Traditional Defense Contractor — A traditional defense contractor is an entity that does not meet the definition of a Non-traditional Defense Contractor (NDC) or a Nonprofit Research Institution.

This is to certify that the above is accurate, complete, and current as of insert date for insert RWP number.

Signature (electronic signature is acceptable)	X_____
Date Signed	

Frequently Asked Questions:

What is an NDC?

An NDC is an entity that is not currently performing and has not performed for at least one year preceding the issuance of a given RWP, any contract or subcontract for the DoD that is subject to *full* coverage under the Cost Accounting Standards (CAS) prescribed pursuant to section 1502 of title 41 and the regulations implementing such section. Because CAS does not apply to OTAs, projects awarded thereunder do not impact NDC status.

Are nonprofit research institutions NDCs?

Yes. Under OT Authority, nonprofit research institutions are treated as NDCs.

Can a subsidiary or a division of a corporation qualify as an NDC?

Yes, provided the subsidiary or division meets the definition of an NDC under the CAGE code that the subsidiary or division is proposing in its White Paper.

What is considered "significant participation" by an NDC?

Significant participation is determined by the Government based on the importance of the NDC contribution to the overall execution or outcome of the proposed project. For example, does the NDC supply a new key technology, product or process; supply a novel application or approach to an existing technology, product or process; provide a material increase in the performance, efficiency, quality or versatility of a key technology, product or process; accomplish a significant amount of the prototype project; cause a material reduction in the cost or schedule of the prototype project; or, provide for a material increase in performance of the prototype project.

What is resource-sharing?

Resource-sharing in a transaction occurs when a portion of the total cost of the project is to be paid out of funds provided by sources other than the Federal Government. Contributions can be in cash or non-cash form, and costs can be either direct or indirect, so long as contributions are allowable, allocable, reasonable, and consistently accounted for by the awardee. This may include labor, materials, equipment, usage rights in Intellectual Property, and facilities costs, as well as independent R&D costs that may be reimbursed later by DoD through overhead rates on other awarded efforts. Forfeiture of fee, profit, or cost of money would not be consistent with general cost principles and should not be included in any resource-shared arrangement.