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August 16, 2022

ELECTRONIC MAIL

To: 24 Pre-Qualified On-Call Contract Consultants of LA Sanitation

LA SANITATION ON-CALL CONSULTANT SERVICES CONTRACT ISSUANCE OF TOS SN-159 – EVALUATION OF OZONATION AND BIOLOGICAL ACTIVATED CARBON - RAMP OPPORTUNITY ID: 203872

LA Sanitation (LASAN) is soliciting responses from 24 Prime Consultants on Pre-Qualified On-Call List. Attached are details of the Task Order Solicitation (TOS) required services.

There is **no pre-proposal meeting** for this TOS. All **questions** regarding this TOS **must be submitted in writing via e-mail** to the following LASAN staff **by Thursday, September 15, 2022, before 5:00 P.M.**

- Mr. Hamed Haddad-Zadegan, hamed.haddad-zadegan@lacity.org
- Ms. Wanda Epps, san.oncall@lacity.org

The **deadline for proposal submission** is **Thursday, September 29, 2022, before 2:00 P.M.** If your firm is interested in this TOS, please submit a proposal via e-mail by the indicated due date to the following LASAN staff:

- Mr. Hamed Haddad-Zadegan, hamed.haddad-zadegan@lacity.org
- Ms. Wanda Epps, san.oncall@lacity.org

Thank you for your interest and we look forward to receiving your response to this TOS. Should you decide not to submit a proposal, a **negative response is requested** with a brief explanation of the reason. Your decision to not submit a proposal will not affect your eligibility for future work.

Sincerely,

Nancy Lantin, Sr. Management Analyst II
On-Call Contracts Representative
Administration Division
LA Sanitation

NL:wae

Attachment: Copy of the scope of services

c: Master Files
Charles Senaya, LASAN

Consultants
Hamed Haddad Zadegan, LASAN

Hubertus Cox, LASAN
David Santos, LASAN

zero waste • zero wasted water

AN EQUAL EMPLOYMENT OPPORTUNITY - AFFIRMATIVE ACTION EMPLOYER

Recyclable and made from recycled waste



**City of Los Angeles
LA Sanitation and Environment (LASAN)**

On-call Consultant Services Contract

Task Order Solicitation (TOS) SN-159 for

Evaluation of Ozonation and Biological Activated Carbon

August 2022

1. Introduction

In February 2019, the Mayor announced the goal to recycle all of the City's wastewater by the year 2035 in order to reduce the reliance of Los Angeles on the import of water and to source 70% of Los Angeles water needs locally. The Hyperion Water Reclamation Plant (HWRP) is the largest of four water reclamation plants operated by LA Sanitation and Environment (LASAN). It currently discharges about 220 million gallons per day of effluent into Santa Monica Bay after full secondary treatment. The goal of the Hyperion 2035 Program is to transform the HWRP from a full secondary treatment facility to an advanced water purification facility for the production of purified recycled water for drinking water purposes. The Hyperion 2035 Program is managed by the Water Recycling Implementation Division (WRID) of LASAN.

Until recently, the focus of Hyperion 2035 planning has been on indirect potable reuse using an advanced water purification process that will likely consist of membrane bioreactors, reverse osmosis, and ultraviolet (UV) advanced oxidation. However, the State of California Division of Drinking Water (DDW) is currently developing regulations and requirements for direct potable reuse. DDW released the DPR Framework 2nd Addendum in March 2021, and a revised version in August 2021. These documents lay down the anticipated criteria for direct potable reuse, which are currently being evaluated by an Expert Panel established by DDW. It is anticipated that DDW will finalize the criteria towards the end of 2022 for public comment and rule making.

Direct potable reuse would significantly expand the opportunity of water recycling in Los Angeles. As the City's producer of recycled water, LASAN is considering an advanced water purification process for direct potable reuse at the HWRP which would require two additional treatment steps, specifically ozonation and biological activated carbon, to the process envisioned for indirect potable reuse (i.e., membrane bioreactors, reverse osmosis, and UV advanced oxidation). The draft criteria for direct potable reuse indicate a preference for locating ozonation and biological activated carbon before reverse osmosis. However, the final criteria may also provide provisions for locating ozonation and biological activated carbon after UV advanced oxidation.

The overall purpose of this Task Order Solicitation is to initiate an evaluation of the advantages and disadvantages of ozonation and biological activated carbon before reverse osmosis or after UV advanced oxidation. This initial evaluation will be a desktop exercise to:

- summarize the current state of knowledge of ozonation and biological activated carbon in direct potable reuse applications;

- identify the key factors that are relevant for making informed decisions on the optimal location of ozonation and biological activated carbon at the HWRP and conduct a preliminary assessment of these key factors; and
- prepare recommendations for potential future testing of ozonation and biological activated carbon using the Hyperion MBR Pilot Facility.

2. Scope of Services

LASAN is requesting a qualified consulting firm for the following three tasks.

Task 1: Summarize the state of the knowledge of ozonation and biological activated carbon upstream of reverse osmosis versus downstream of UV advanced oxidation:

- Identify pilot and full-scale applications of ozonation and biological activated carbon in direct potable reuse processes inside and outside the USA, as well as relevant research projects, e.g., by the Water Research Foundation or others.
- Summarize performance data including but not limited to the removal of contaminants of emerging concern and microbial contaminants (Giardia, Cryptosporidium, enteric viruses)
- Evaluate external performance data towards anticipated quality of product water and reverse osmosis concentrate for Hyperion 2035, and any associated challenges in meeting the draft (performance) criteria for direct potable reuse.

Task 2: Perform a preliminary triple bottom line (TBL) analysis of ozonation and biological activated carbon upstream of reverse osmosis versus downstream of UV advanced oxidation:

- Develop criteria for the TBL analysis (e., environmental, regulatory, economical, operational, reliability, institutional, etc.) that will allow LASAN to make a preliminary assessment of the advantages and disadvantages of ozonation and biological activated carbon upstream of reverse osmosis versus downstream of UV advanced oxidation.
- Identify knowledge gaps and areas for further evaluation and/or investigation, as well as any potential alternatives to ozonation and biological activated carbon for Hyperion 2035 that may meet anticipated criteria for direct potable reuse.

Task 3: Prepare recommendations and considerations, including a preliminary cost estimate, that will assist LASAN in evaluating the feasibility of testing ozone and biological activated carbon using the existing MBR Pilot Facility located at the HWRP.

Anticipated deliverables:

- Draft and final project report.
- A minimum of two workshops (to be determined if virtual or in-person): kick-off meeting and one workshop discussing the findings of the draft project report. A third workshop discussing the final project report can be considered.
- A copy of all documents that have been referenced in the final project report.

3. COVID Vaccination Requirement for Consultants/Contractors

For the purposes of this section the terms contractor and consultant are interchangeable and deemed to have the same meaning; and the terms subcontractor and subconsultant are interchangeable and deemed to have the same meaning.

Employees of Contractor and/or persons working on its behalf, including, but not limited to, subcontractors (collectively, "Contractor Personnel"), while performing services under this Agreement and prior to interacting in person with City employees, contractors, volunteers, or members of the public (collectively, "In-Person Services") must be fully vaccinated against the novel coronavirus 2019 ("COVID-19"). "Fully vaccinated" means that 14 or more days have passed since Contractor Personnel have received the final dose of a two-dose COVID-19 vaccine series (Moderna or Pfizer-BioNTech) or a single dose of a one-dose COVID-19 vaccine (Johnson & Johnson/Janssen) and all booster doses recommended by the Centers for Disease Control and Prevention. Prior to assigning Contractor Personnel to perform In-Person Services, Contractor shall obtain proof that such Contractor Personnel have been fully vaccinated. Contractor shall retain such proof for the document retention period set forth in this Agreement. Contractor shall grant medical or religious exemptions ("Exemptions") to Contractor Personnel as required by law. If Contractor wishes to assign Contractor Personnel with Exemptions to perform In-Person Services, Contractor shall require such Contractor Personnel to undergo weekly COVID-19 testing, with the full cost of testing to be borne by Contractor. If Contractor Personnel test positive, they shall not be assigned to perform In-Person Services or, to the extent they have already been performing In-Person Services, shall be immediately removed from those assignments. Furthermore, Contractor shall immediately notify City if Contractor Personnel performing In-Person Services (1) have tested positive for or have been diagnosed with COVID-19, (2) have been informed by a medical professional that they are likely to have COVID-19, or (3) meet the criteria for isolation under applicable government orders.

4. Term of Engagement and Cost Estimate

The term of engagement for this TOS is one (1) year from the issuance date of the Notice to Proceed (NTP) and shall not extend past July 22, 2024. It is estimated that the cost ceiling for this TOS is approximately \$121,000.

5. Solicitation Schedule (Tentative)

- Issue Task Order SolicitationDate of Cover Letter.
- Receive Solicitation Responses.....as indicated in Cover Letter (6 weeks).
- Conduct Interviews if necessary.....5 – 7 weeks after issuance of TOS.
- Select and Negotiate.....7 – 8 weeks after issuance of TOS.
- Execute Task Agreement Form.....9 – 10 weeks after issuance of TOS.

- **Estimated Project Start Date:** January 1, 2023

6. Solicitation Response Requirements

Solicitation Responses shall not exceed twenty (20) pages, exclusive of cover, dividers and resumes. Solicitation Responses shall be submitted to the following LASAN staff via email, no later than 2:00 pm on the proposal due date indicated in the cover letter:

- Hubertus Cox, hubertus.cox@lacity.org
- Hamed Haddad Zadegan, hamed.haddad-zadegan@lacity.org

- Wanda Epps, san.oncall@lacity.org

Solicitation Responses shall include:

- Resume demonstrating that the candidate is capable of meeting the requirements of the Scope of Work. Resume shall include work experience history with dates, and references from past employers, owners, and/or organizations.
- Provide a proposed individual cost breakdown by tasks.
- Provide a breakdown of estimated time for completion of task.
- Proposed Billing Salary Rate Summary for the proposed candidate with all respective direct and indirect costs, markups, expenses, overhead rates and profit. (See Attachment A).
- MBE/WBE/SBE/EBE/DVBE/OBE subcontractors utilized and the percent utilization. (See Attachment A)

Note: Department of Public Works only recognizes:

- MBE/WBE certifications certified by City of LA – Bureau of Contract Administration (LABCA), LA County Metropolitan Transportation Authority (MTA), CalTrans, The Southern California Minority Supplier Development Council (SCMSDC), or Women's Business Enterprise National Council (WBENC)-WEST; and any member of California Unified Certification Program (CUCP); and
- SBE/EBE/DVBE certifications certified by LABCA or State of California – Department of General Services (CA-DGS)
- A firm can only be a MBE or WBE (not both) for a pledged amount
- A firm with multiple certifications is acceptable (i.e., a MBE/SBE/EBE/DVBE firm will fulfill 4 of 6 required categories)
- Provide a copy of valid MBE/WBE/SBE/EBE/DVBE Certifications of MBE/WBE/SBE/EBE/DVBE subcontractors utilized.
- **If a subconsultant needs to be added to Schedule A, use Mini Outreach Subconsultant Phone Log template uploaded to RAMP (Regional Alliance Marketplace for Procurement) for this TOS.**
- Statement pertaining to the candidate's availability.

7. Selection Criteria

The selection team will evaluate the proposals using the following criteria:

A. Consultant Qualifications, Experience, and Expertise

- Capability and experience to provide the Scope of Services as demonstrated by the proposal.
- Expert knowledge of the regulatory framework of indirect and direct potable reuse.
- Expert knowledge of advanced water purification processes.
- Knowledge and understanding of LASAN's goals and programs for recycled water, as well as the perspectives of LASAN's partners and stakeholders.

B. Personnel Qualifications, Experience, and Expertise

- Expert knowledge and expertise in the latest technological advancements in advanced water purification processes across the USA and beyond, both at the municipal and research level.

- Familiarity with regulatory processes related to recycled water and NPDES permits.
- Expert knowledge and expertise in designing and managing pilot testing at water reclamation plants.

C. Project Management Approach

- Ability to effectively deliver the scope of services of this TOS.

D. Competitive Fees and Costs

- The value offered to the City considering cost in comparison to capabilities and experience.
- Direct cost and indirect costs, markups, overhead rates, and profit will be considered.

8. Suggested MBE/WBE/SBE/EBE/DVBE/OBE Participation Levels

The City has set anticipated participation levels (APLs) for sub-consultants as follows: 18% MBE, 4% WBE, 25% SBE, 8% EBE, and 3% DVBE. Minority, women, small, emerging, disabled veteran owned and controlled businesses must be considered along with other business enterprises whenever possible as sources of subconsulting services.

Note: Sub-consultants that are not listed on Consultant's current Schedule A - LIST OF POTENTIAL MBE/WBE/SBE/EBE/DVBE/OBE SUBCONSULTANTS (which includes any previously approved mini outreach) cannot be included in a proposal and/or utilized without the performance of a mini outreach and approval of said outreach by LASAN. A Request to Add Sub(s) should be made at least 10 business days prior to proposal due date. If a consultant needs to add a sub to their Schedule A, please see the Mini Outreach Phone Log and Instructions to Add Sub document associated with this TOS and available for download within the Regional Alliance Marketplace for Procurement (RAMP). When a CONSULTANT receives from LASAN an approved Request to Add Sub(s), approved sub(s) then may be included in the proposal. **Exception:** If Request to Add Sub(s) is in the process of being approved by LASAN, CONSULTANT may submit a proposal that includes the yet to be approved sub. The Request to Add Sub(s) must have been submitted prior to the proposal due date deadline.

9. Task Order Manager

LASAN On-Call Contracts Representative: Nancy Lantin, Sr. Management Analyst II, On-Call Contracts Representative, Administration Division, (213) 440-8237, nancy.lantin@lacity.org.

Designated Task Manager for this TOS: Hamed Haddad Zadegan, Project Manager, Water Recycling Implementation Division, 310-648-5286, hamed.haddad-zadegan@lacity.org.

10. Disclaimer

The City may or may not decide to award any or part of this task order based on its sole convenience and shall not be responsible for any solicitation response costs.

ATTACHMENT A

COST REIMBURSEMENT - BILLING SALARY RATE BASIS										
Firm Name	Status	Last Name	First Name	Position	Raw Rate (\$/hr)	Approved Overhead Rate	Profit	Billing Rate (\$/hr)	Effective Date	Note
Prime Firm	Prime									
Prime Firm	Prime									
Prime Firm	Prime									
Subcontracting Firm Name 1	MBE/SBE/EBE									
Subcontracting Firm Name 2	WBE/SBE/EBE									
Subcontracting Firm Name 3	MBE/SBE									
Subcontracting Firm Name 4	WBE/SBE									
Subcontracting Firm Name 4	SBE/EBE/DVBE									
Subcontracting Firm Name 5	SBE/EBE									
Subcontracting Firm Name 6	OBE									

SUMMARY			
Firm Name	Status	Fee	%Fee
Prime			
Subcontracting Firm Name 1	MBE/SBE/EBE		
Subcontracting Firm Name 2	WBE/SBE/EBE		
Subcontracting Firm Name 3	MBE/SBE		
Subcontracting Firm Name 4	WBE/SBE		
Subcontracting Firm Name 4	SBE/EBE/DVBE		
Subcontracting Firm Name 5	SBE/EBE		
Subcontracting Firm Name 6	OBE		
Total Direct Labor Cost of the Prime			
Total Subcontract Expenses			
5% Administrative Fee (markup)			
Other Direct Costs (with no markup)			
Total Task Order Amount			

Total Subconsultant Participation						
Pledged	MBE	WBE	SBE	EBE	DVBE	OBE
% of Total Task Order	%	%	%	%	%	%
\$ Amount	\$	\$	\$	\$	\$	\$