ARLINGTON COUNTY, VIRGINIA
OFFICE OF THE PURCHASING AGENT

REQUEST FOR PROPOSAL NO. 24-DES-RFP-172

Mandatory Preproposal Conferences held August 2, 2023, at 11:00 AM and August 8, 2023, at 9:30 AM and Mandatory site visit held August 2, 2023, at 1:30 PM and August 8, 2023, at 1:00 PM
for
On-Call Engineering Services Water Pollution Control Plant
via Microsoft Teams

- Started **Mandatory Preproposal Conference held August 2, 2023** @ 11:10 am. No admittance after 11:10 am.

- Twenty (20) vendors and five (5) Arlington County Government employees attended **Mandatory Preproposal Conference held August 2, 2023**.

- Started **Mandatory Preproposal Conference held August 8, 2023** @ 9:40 am. No admittance after 9:40 am.

- Fourteen (14) vendors and four (4) Arlington County Government employees attended **Mandatory Preproposal Conference held August 8, 2023**.

- Introduction of Arlington County Employees.

- Tomeka Price, Procurement Officer, reviewed RFP No. **24-DES-RFP-172** with emphasis on requirements and submission deadlines.

    - Any questions regarding the Scope of Work/Insurance Requirements/Solicitation must be submitted via Vendor Registry for a formal response by the due date.

    - SCC Registration is required for award but not for submission to the RFP.

    - Arlington County Business License may be required for award but not for submission to the RFP.

    - Oral representations made at the preproposal conference are not binding upon the County.

    - All Communications during the process must go through the Purchasing Office.

- Tomeka turned over the meeting to the Project Officer for an overview of the Scope of Work. Project Officer explained and presented a PowerPoint of the project and highlighted the work to be done.

    - *"The County is seeking a qualified Contractor(s)* to provide on-call professional engineering services for Arlington County's Water Pollution Control Plant (WPCP).

- Once the overview was completed, Tomeka asked for questions and reiterated the Question deadline date, Mandatory Site Visit time and the Proposal due date.

- No questions asked during **Mandatory Preproposal Conference held August 2, 2023.**

- Questions asked during **Mandatory Preproposal Conference held August 8, 2023** meeting:
  - Question: Visit for both Prime and Sub?
    Answer: No, subs do not have to be in attendance – but are welcome to participate. An individual from the Prime Firm submitting a response must be in attendance.

- PowerPoint attached.

Event	Timeframe
Mandatory Site Visit OFFERORS MUST ATTEND ONE OF THE TWO MANDATORY PRE-PROPOSAL SITE VISITS.	August 2, 2023, at 1:30 p.m.
2nd Mandatory Preproposal Conference ATTENDANCE AT ONE OF THE PREPROPOSAL CONFERENCE IS MANDATORY IN ORDER TO BE CONSIDERED AS AN OFFEROR	AUGUST 8**, 2023, AT** 9:30 **A.M**
2nd Mandatory Site Visit	August 8, 2023, at 1:00 p.m.
Question Deadline	August 21, 2023, at 5:00 p.m.
BID Due Date and Time	September 12, 2023, at 1:00 p.m.

- Meeting was adjourned.
- Sign-in Sheet attached.
- Mandatory Site Visits – August 2 & 8, 2023
  - Start at OCB
    - Gather group – PPE; picture taking okay; instructed group to stay together.
  - Stop 1: Northside, outside FMRLS –
    - Discuss 2 onsite lift stations (PYPS and FMRLS) and 11 offsite LS – work may be onsite or offsite.
    - Described close-in residential properties and desire to minimize impacts on neighbors.
  - Stop 2: PCLs –
    - Discuss PCLs including chemical P removal, FEQ (after primary), NOC, NFF, point out solid's treatment.
  - Stop 3: Tunnel – Discuss SGF and Power Feeds.
    - Dual power feeds to WPCP and full generator backup capabilities for 1-2 days.
  - Stop 4: Tunnel – Discuss SOC/OC in general.
    - Draws foul air from FMRPS, GTs, SSTs, PTB
  - Stop 5: SBB (inside) –
    - Discuss oversized blowers, configuration.
  - Stop 6: SATs –
    - Discuss step feed process, over-instrumentation.
  - Stop 7: SCLs 1-6 –
    - Discuss plant is divided, East clarifiers are oldest and pump building contains RAS pump system.
  - Stop 8: ASE 1 (inside) –
    - Discuss initial condition assessment findings, need for capacity assessment for all onsite LS.
  - Walk to Stop 9: Point out bike trail, FMR, community.
  - Stop 9: FADF (from ground level)

- Discuss denitrification, methanol, filtration, mention.
- Stop 10: SHF
  - Discuss FRP tank replacement, PAF, outfall.
- Walk to OCB Lot: Point out chemical feed systems (methanol, ferric), and ASE 2

Offerors in attendance of Mandatory Preproposal Conferences and Mandatory Site Visits:

1. Jacobs Associates
   a. Ritika Kundu, kundu@delveunderground.com, (212) 376-1334

2. Jacobs Engineering Group Inc.
   a. Laura Lookenbill, Laura.Lookenbill@jacobs.com, (443) 760-0585
   b. Dan Lynch, Dan.Lynch@jacobs.com,
   c. Ryan Bercaw, Ryan.Bercaw@jacobs.com,
   d. Catherine Carson Floyd, Catherin.Carsonfloyd@jacobs.com

3. Brown and Caldwell (BC)
   a. John McGettigan, jmcgettigan@brwncald.com
   b. Pusker Regmi, pregmi@brwncald.com
   c. Dorian Hemming, dhemming@brwncald.com

4. Central Engineer (Kleinfelder):
   a. Norelis Florentino, NFlorentino@kleinfelder.com
   b. Andrew Jakubowitch, AJakubowitch@kleinfelder.com

5. GHD
   a. Christina Castle, Christina.Castle@ghd.com
   b. Vincent Maillard, Vincent.Maillard@ghd.com
   c. Lauren Musselman, Lauren.Musselman@ghd.com

6. Environ-Civil Engineering, Ltd.
   a. Pamela Kyomoguisha, Pamela.Kyomugisha@wsscwater.com

7. Whitman, Requardt and Associates, LLP (WRA)
   a. Jamie Alley, jalley2@wrallp.com, (757) 697-5140
   b. Andrew Casolini, acasolini@wrallp.com
   c. Derek Dussek, ddussek@wrallp.com

8. AECOM
   a. Stephen James, stephen.james@aecom.com, (202) 553-7173
   b. Yalda Mokhayeri, yalda.mokhayeri@aecom.com, (240) 472-7251

9. Greeley and Hansen LLC
   a. Eyad Mizian, eyad.mizian@greeley-hansen.com, (571) 447-7354
   b. Adam Taylor, adam.taylor@greeley-hansen.com, (757) 377-9746
   c. Karthik R. Manchala, kmanchala@greeley-hansen.com

10. CDM Smith
    a. Josh Gelman, gelmanjl@cdmsmith.com, (703) 691-6433
    b. Matthew R. Kocourek, kocourekmr@cdmsmith.com

11. Carollo Engineers
    a. Eric Harold, eharold@carollo.com, (703) 376-7029
    b. Andrew Freitas, afreitas@corollo.com, (703) 577-6025

12. Stantec Consulting Services Inc.
    a. Nicolle Boulay, Nicolle.Boulay@stantec.com, (703) 489-6661
    b. Beth Maloney, beth.maloney@stantec.com, (571) 459-8170

13. KCI Technologies – No attendance at either site Visit
    a. Gary Thurman, Gary.Thurman@kci.com

14. Timmons Group – No attendance at either site Visit
    a. Osvaldo Ramos, Osvaldo.Ramos@timmons.com
    b. Mike Newman, Mike.Newman@timmons.com

15. Black & Veacht
    a. Jimit Modi, ModiJ@bv.com, (301) 556-4375
    b. Betsy Baldwin, baldwinb@bv.com, (571) 366-6953
    c. Priscilla R. Brown-Buchalla, brownpr@bv.com, (301) 556-4389
    d. Avan Baggett, baggetta@bv.com

16. Hazen and Sawyer
    a. Ned Talbot etalbot@hazenandsawyer.com, (410)294-3978
    b. Phill Yi, pyi@hazenandsawyer.com,
    c. Edward Talbot, etalbot@hazenandsawyer.com,
    d. Paul Le Bel, plebel@hazenandsawyer.com,
    e. Matthew Van Horne, mvanhorne@hazenandsawyer.com, (703) 218-2034

24-172-RFP: WPCB On-Call Engineering Services - Preproposal Conference

Water Pollution Control Bureau

August 2 & 8, 2023

ARLINGTON
VIRGINIA

Agenda

- Overview of the solicitation
- Solicitation process
- Solicitation documents
- Timeline
- Water Pollution Control Plant – background information
- Overview of the scope of work of the contract
- Q&A
- Site Tour

Timeline

- Questions due August 21, 2023
- Proposals due September 12, 2023

What's new in this RFP?

- Project Rotation between firms
  - No additional competition required
- State On-call Contracts terms changes:
  - Dollar upper limit to $10M from $6M
  - 4-year contract; 5-years previously

Arlington County's Water Pollution Control Plant

- Liquids Treatment Processes Include:
  - Screening and Grit Removal
  - Primary Clarification and Flow Equalization
  - Biological Nutrient Removal (BNR) via Aeration Basins followed by Secondary Clarification
  - Denitrification Filters
  - Chlorination and Dechlorination
  - Discharge into Four Mile Run - Potomac River - Chesapeake Bay Watershed

- Solids Treatment Processes Include:
  - Thickened using Gravity and Dissolved Air Flotation Thickeners
  - Blended prior to Centrifuge Dewatering
  - Lime is added to create Class B Biosolids for land application
  - ***Solids processes will be upgraded under a separate contract***

Treatment Overview and Stats

- 40 MGD design capacity;
- 11 off-site lift stations and 2- metering stations.
- Flow received from neighboring jurisdictions:
  - Falls Church, Alexandria, and Fairfax
- Currently averaging 22 MGD
- Chemical P removal using ferric chloride
- Average effluent concentrations: TP 0.02 mg/L; TN 2.5 mg/L
- Class B lime stabilization @ 30 dtpd

On-call Needs

- Preliminary engineering, site surveys, detailed design
- Bid phase services, construction administration and startup support
- Cost estimating, constructability, VE
- Process and equipment improvements; innovative treatment processes and strategies
- Documentation updates to plans, SOPs, specifications
- Data analysis
- Staff augmentation
- DOES NOT INCLUDE SOLIDS MASTER PLAN UPGRADES!

Example Projects

- WPCB reserves the right to pursue all, some or none of these projects
- They are for illustrative purposes only and represent some of the services that will be needed for project completion

Condition Assessment

- Last major plant upgrade Phase 7A & 7B
- Process mechanical equipment reaching service life
- Process area buildings shows signs of deterioration.
- On-site lift stations capacity limitations and aging equipment

Condition Assessment – Next Steps

- Evaluation and performing condition assessment of
  - Existing process mechanical equipment
  - Process buildings including tanks
- On-site lift stations
  - Example: ASE pump stations condition assessment and capacity analysis
- Prioritization and cost estimate
- Prepare justification for capital spending

Process Evaluation

- Chemical consumption and future demand
- Liquid treatment readiness for future Biosolids upgrade project
  - Evaluation of Temporary Construction Impacts to Existing Treatment Processes
  - Process optimization alternatives (dealing with excess nutrient load)

Process Evaluation – Next Steps

- Hydraulic modeling
  - Model development
  - system capacity analysis and
  - Wet weather operations
- Evaluate technologies for liquid treatment optimization to address future solids upgrade needs
- Secondary Aeration system optimization
  - RAS, WAS, DO control process evaluation/optimization
- Process Area Training Module Updates
- Design and construction services

Chemical Storage Tank Replacement Design and Construction

- Fiberglass reinforced plastic tanks used widely around the site
- Tanks store critical chemicals; sodium hypochlorite, sodium hydroxide, ferric chloride, sodium bisulfite.
- Aging and coming to end of their service life
- Progress to date:
  - FRP tank Condition assessment completed
  - ITB for 5 FRP tanks replacement underway

Chemical Storage Tank Replacement Design and Construction - Next Steps

- Goal is to replace all chemical storage tanks that were identified in the condition assessment report.
- Design and construction services for replacement of remaining chemical tanks:
  - Prioritization, cost estimating and plant coordination to minimize process impact

Information Packet

- Packet will be emailed to all pre-proposal attendees.
- Information includes:
  - Map of the Collection System
  - WPCB Site Plan
  - Process Flow Diagram
  - Hydraulic Profiles
  - Summary of Operating Data

Questions?

Site Tour

- Site visits on August 2nd and 8th are mandatory
- Please register on Vendor Registry
- Bring your own PPE
- Please take pictures
- **No questions will be answered during the site tour**. Any questions must be submitted in Vendor Registry.