State of Alaska
Department of Environmental Conservation
Village Safe Water Program
555 Cordova Street
Anchorage, AK 99501
april.akers@alaska.gov

October 26, 2021

To: Vendor List

Re: Amendment 3
RFP 22-VSW-WAA-005
Construction of Water Treatment Plant and Washeteria
Wales, Alaska
RFP Due Date: November 17, 2021 @ 2:00 PM AST

The following changes are required:

1. The RFP due date is extended from November 3, 2021, to November 17, 2021 @ 2:00PM AST.

2. Amendment 3 changes the RFP title to a more general title.

3. A Certification for Prohibition on Certain Telecommunication and Video Surveillance Services or Equipment is attached to the amendment.

The following are questions from interested parties and the department's response:

1. **Vendor:** Drawing E711 BOM item 4 calls for part number DIN-S-9. Specification calls for part number DIN-S-9-HP. Please clarify.

   Department: Remote Terminal Unit (RTU) package is being modified. Please email the procurement officer to request the 2017 WTP Washeteria Improvement Controls Amendment 3 drawings. Due to file size these will be sent to the requestor via Zend To.

2. **Vendor:** After spending quite a bit of time working through the project scope and plans, we want to know if VSW would entertain significant changes to the project to allow field construction versus the current modular approach. We fully understand the value of modular construction as we build modular projects regularly, but we don't see any upside to that approach with this construction schedule. If possible, I would like to talk to your team about this before we put a formal request in writing. Please let me know if that is possible?

   Department: The department will accept bids for field construction or modular construction. Offerors shall only submit one proposal for either modular or field construction. Offerors must describe which method will be used in their Technical Proposal, #1 Work Plan and Approach.

   In Volume 1 IFC Specifications, 1.1 Contract Description, B. is revised to: The WTP/W Building may consist of four modules, constructed, and tested off site by the Contractor, and installed at the site on field-build treated timber foundation with some field installed interior connections. Alternatively, Contractors may construct the WTP/W onsite in conformance with IBC 2012 timber building requirements utilizing a similar building floorplan, framing, field-built foundation, and roof design shown in the contract documents. Contractors who construct the WTP/W in Wales shall provide housing for Owner and Engineer periodic inspectors throughout the onsite construction and the entire commission period for a minimum of two (2) personal for each inspection, The WTP/W roofing system and exterior decks, ramps, and stairs constructed shall be installed in the field. A standing seam metal roof and vinyl siding package will complete the building envelope. Wales does not have barge landing and building materials and/or modules should be anticipated to be barged to Tin City, transported over the local roadway to the site, and installed, connected, and tested.

3. **Vendor:** As we get into these documents a bit more, we have some more questions, specifically on intent/plans to go with modular building approach, offsite commissioning, and scheduling/Sequence of Operations of some onsite work. We realize a Prebid wasn't planned, could we get contact info for the PM for this project so we could talk through a few things. It would be easier to discuss on some of these intent, scheduling, approach items over the phone (and then we could follow up via email- to be addressed by addenda as necessary).

   Department: All questions must be routed through the procurement officer and individual discussions with the project manager is not allowed. If offerors would like to speak with the department, then a pre-proposal conference is scheduled for November 2, 2021, at 1:00PM AST. Contact the Procurement Officer for teleconference information.

   The purpose of the conference is to discuss the work to be performed with the prospective offerors and allow them to ask questions concerning the RFP. Questions and answers will be transcribed and sent to prospective offerors as soon as possible after the meeting. The department may request the offeror to follow up their question(s) in writing.

   Offerors with a disability needing accommodation should contact the procurement officer prior to the date set for the pre-proposal conference so that reasonable accommodation can be made.

4. **Vendor:** We have received indication from numerous vendors that seem to be a bit confused on the documents; specifically with understanding what work is to be in the project since there are items crossed off on the drawings. I believe this had to do with trying to differentiate between the Base bid

and the Alternate work. It would be helpful if you could add some clarification in the upcoming addenda on the intent.

Department: The work crossed off in the Base Bid Drawing Set "City of Wales Water Treatment Plant and Washeteria Improvements Project December 2019" were redesigned and superseded by the Alternate Work Drawing Set "Wales, Alaska Heat Recovery System June 2020". The item crossed out of the base bid set are not to be constructed. Please note the heat recovery lines shown on the C104 of base bid (Points 24-32) are not included with the base bid and have been replaced with sheet C102 of the alternate work. Please email the procurement officer to request these drawings. Due to file size these will be sent to the requestor via Zend To.

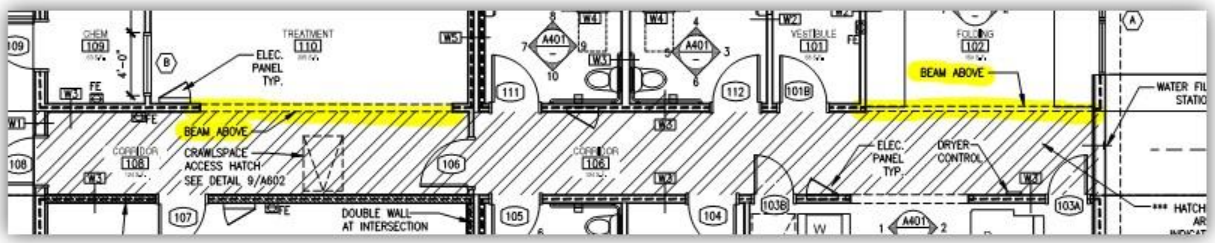
5. **Vendor:** Regarding the Bid Schedule, 16 pages in Div 00- form 00312; in consideration that this is showing extensive breakout for Pay Items, would the Department reconsider the necessary breakout on bid day and request that from the successful contractor to provide after award? A base bid and Alternate #1 breakout would help immensely. The request to minimize the Bid Schedule, comes from experience of receipt of quotes from subs and suppliers at the time of bid, in which there is minimal time to get the breakout accurately. The breakdown for 'Pay Items' (as referenced on the form), also called Schedule of Values, is an extensive effort for detailed breakdown typically worked through with the successful GC and along with their subs/ major suppliers. Being able to receive an accurate Pay Item accounting on bid day, while trying to wrap up a proposal, is highly unlikely.

   Department: Offerors shall use the attached revised bid schedule if submitting a proposal for field construction. Offerors shall use the original bid schedule if submitting a proposal for modular construction. The schedule of values procedure will be utilized in accordance with the General Conditions 00700.

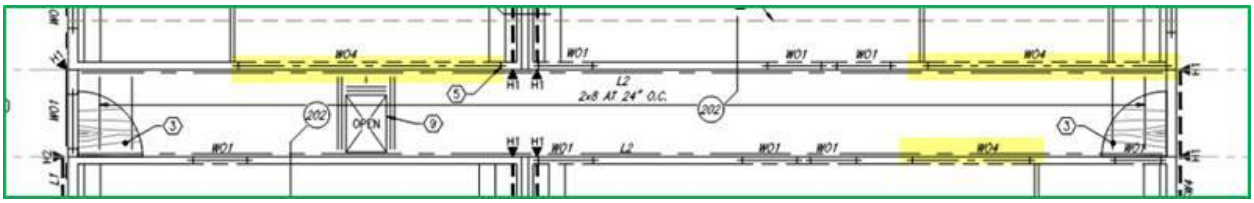
6. **Vendor:** With completion dates clarified in Add #1: The Substantial Completion date is November 1, 2022. The Final Completion date is July 31, 2023. What work is anticipated to occur between Nov 2022 and July 2023, for such a gap in completion dates?

   Department: The intent is to have the main construction completed in 2022 with the understanding the contractor will be unable to demobilize from the project until July 2023. It will be very difficult to perform the startup if the project gets delayed into the winter of 2022-2023.

7. **Vendor:** Addenda #2 Q/A 19. Sheet A101 makes reference to "Beam Above" at Room 110 and Room 102 (on Grid B). Structural detail 205 (called out on S104 & S105) sheet S502 does not indicate the beam. Please clarify. Department responded: Beams are indicated on S103. Sheet S103 is "floor framing Plan". Question above was reference to what appears to be a beam (header?) required at these open span areas, on A101. These are not shown on structural drawings.



Department: The response to amendment 2 question & answer # 19 is correct. These headers are shown on S103. See S007 for wall opening schedule.



WALL OPENING (WO) SCHEDULE

MARK	TYPE	HEADER SIZE	TRIMMER STUDS	JAMB STUDS	REMARKS
WO1	WOOD	4x12	2x	(2) 2x	---
WO2	WOOD	4x12	2x	(2) 2x	---
WO3	WOOD	5 1/8" x 12" GLB	(2) 2x	(3) 2x	---
WO4	WOOD	5 1/8" x 12" GLB	2x	2x	---

8. **Vendor:** There has been expressed concern over the current design shown for the RTU panels on drawings E711 & E712. Please provide further information for correct RTU configuration or confirm current design is the desired configuration.

   Department: The updated drawings 2017 WTP Washeteria Improvement Controls Amendment 3 drawings can be provided to address concerns. Please email the procurement officer to request these drawings. Due to file size these will be sent to the requestor via Zend To. E600 Revised layout-Added Pilot, E602 Added contacts, E630 Revised layout-Added Pilot, E632 Added Contacts, E660 Revised layout-Added Pilot, E662 Added Contacts, E710 Re-issued, E711 Re-issued, E712 Re-issued, E713 Re-issued.

9. **Vendor:** The instrument schedule on I002 calls for a Badger M70, 2", 0.75-50GPM. 2" is not an option for the model 70. It is an option for model 170, but the low flow for the M170 is 1.5, which does not meet the stated GPM range. Please clarify.

Department: Revise the following instrument on schedule I002 as follows:

FI-431	DISTRIBUTION SYSTEM FLOW METER	1-40 GPM	BADGER RECORDALL MODEL 55, 1"
FI-441	WATERING POINT FLOW METER	0.75-20 GPM	BADGER RECORDALL MODEL 35, ¾"
FI-451	UTILITY BUILDING FLOW METER	0.75-20 GPM	BADGER RECORDALL MODEL 35, ¾"

Bidders must acknowledge this amendment on their proposal. A bid that doesn't acknowledge this amendment may be found non-responsive and rejected.

April Akers

April Akers

Procurement Specialist

PROHIBITION ON CERTAIN TELECOMMUNICATION AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT

On projects using federal funds, the Contractor shall comply with the requirements of 2 CFR 200.216, as amended effective August 13, 2020, Federal Register, Vol. 85, No. 157, 49506 - 49582, **Prohibition on certain telecommunication and video surveillance services or equipment.**

By signature of the bid, proposal, contract or contract amendment the Contractor certifies the Contractor and subcontractors have not entered into a contract nor extended or renewed a contract to procure or obtain equipment, services, or systems that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system produced by:

a. Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).
b. Hera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).
c. Any entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

The Contractor shall further certify that it has complied the requirements of 2 CFR 200.216, as amended effective August 13, 2020, Federal Register, Vol. 85, No. 157, 49506- 49582 and that it will continue to do so throughout the term of the Contract.

STATE OF ALASKA
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
VILLAGE SAFE WATER PROGRAM

Amendment 3
BID SCHEDULE
Field
Construction

Project Name: **Construction of Water Treatment Plant and Washeteria** **RFP Dated: 9/7/2021**
Project Location: **Wales, Alaska**
DEC Project No.: **22-VSW-WAA-005**

Company Name:_____

Before preparing this bid schedule, read carefully, "Information to Bidders" and the following:

The Bidder shall insert a fixed price in figures opposite each pay item that appears in the bid schedule. No price is to be entered or tendered for any item not appearing in the bid schedule.

The low bid will be determined by considering the basic bid and additive alternates if applicable, as adjusted for the MBE/WBE Preference (Item S), in the order listed up to the total not to exceed the budgeted award amount. Award will be made for the unadjusted bid amount (either items P or R).

Description of Pay Item – See Specification Section 01 10 00 Summary	Unit	Quantity	Total Amount of Schedule 1
Schedule 1. General Conditions			
1.1 Project Manager/Superintendent			
1.2 Housing and travel			
1.3 Submittals Approval			
1.4 Procurement			
1.5 Quality Assurance and Quality Control			
1.6 Safety planning and equipment			
1.7 Overhead (administration)			
A. Construction General Conditions Total Cost	**Lump Sum**	**1**	**$**

Description of Pay Item – See Specification Section 01 10 00 Summary	Unit	Quantity	Total Amount of Schedule 2
Schedule 2. Facility Structure			
2.1 Facility Envelope, Layout, and Structure (Architectural and Structural sheets)			
2.2 Ventilation penetrations: combustion air, air fans, Chemical Room fan (M502)			
2.3 Windows, doors, hardware (Architectural Schedules)			
B. Facility Structure Total Cost	**Lump Sum**	**1**	**$**

Description of Pay Item – See Specification Section 01 10 00 Summary	Unit	Quantity	Total Amount of Schedule 3
Schedule 3. Facility Mechanical			
3.1 Boilers and stacks, Glycol add system (M101, M301, M501, M601, M602, M603)			
3.2 Heating control and Instrumentation (M601, M602)			
3.3 Building Heat – Glycol System Serving Building Heat, Dryers, Water Distribution and Sewer Heat Loops including instruments, pumps, and heat exchangers. (M101, M301, M501, M601, M602, M605, M606, M607, M608, M609)			
3.4 Inspection and Commissioning (See A6.10)			
3.5 Place the Main Fuel Storage Tank and Day Tank (P501, P601)			
3.6 Baseboard heaters and thermostats (M501)			
3.7 Connect piping			
3.8 Construct Crawl Space Heating System (M301)			
3.9 Finish the hood and vent penetrations			
3.10 Finish Glycol System – Building Heat, Dryers, Water Distribution Loop, and Sewer Loop (Mechanical Sheets)			
3.11 Inspect and Commission Fan, Louver, Fuel, and Boiler systems			
C. Facility Mechanical Total Cost	**Lump Sum**	**1**	**$**

Description of Pay Item – See Specification Section 01 10 00 Summary	Unit	Quantity	Total Amount of Schedule 4
Schedule 4. Facility Plumbing and Laundry			
4.1 Day Tank (Day Tank for Off-Site Testing) (P501, P601)	[redacted]		
4.2 Fuel Piping and Systems			
4.3 Plumbing Fixtures and Equipment Connection (P601)			
4.4 Hot water heaters(s)			
4.5 Hot and cold-water distribution (P101, P501, P901)			
4.6 Drain, waste, and ventilation (except below floor) (P101, P901)			
4.7 Inspection and Commissioning (See A6.10)			
4.8 Crawl Space drain, waste, and vent (P901)			
4.9 Unisex Facilities – Lavatories, Showers, Toilets, etc. (A401, A702)			
4.10 Laundry Facilities – Washers and Dryers (P601)			
4.11 Water Fill Station (D507)			
4.12 Inspect and Commission the Unisex and Laundry Facilities			
4.13 Inspect Commission Watering Point			
4.14 Inspect Architectural Finish and Commission Facility			
D. Facility Plumbing Total Cost	**Lump Sum**	**1**	**$**

Description of Pay Item – See Specification Section 01 10 00 Summary	Unit	Quantity	Total Amount of Schedule 5
Schedule 5. Facility Process Treatment and Piping			
5.1 Placement of Cartridge Filter Equipment Skid and Appurtenances (valves, pressure gauges) (D202)			
5.2 Process piping and mounting			
5.3Inspection and Commission – See A6.10			
E. Facility Process Treatment and Piping Total Cost	**Lump Sum**	**1**	**$**

Description of Pay Item – See Specification Section 01 10 00 Summary	Unit	Quantity	Total Amount of Schedule 6
Schedule 6. Facility Electrical Power			
6.1 Temporary Electrical service			
6.2 MDP and Distribution within the Facility, (E200, E370)			
6.3 Install: WTP Power and Panel P (E310), WTP Control Panel (E600), Radio Control Enclosure			
6.4 MDP, (E200, E320) Boiler Control Panel *=(E620), ATS, and WTHCP			
6.5 Panel F and local distribution (E330)			
6.6 Panel W (E340) Damper Control Panel, motorized damper, and dryer motors			
6.7 Wire From MDP to transformer (to supply Pump Room power)			
6.8 Rough in electrical for lighting (E350)			
6.9 Coordinated Inspection, Testing, and Commission of Facility Electrical, Mechanical, and Plumbing			
6.10 Onsite Power Distribution System. Install Service Mast and Disconnect, and CT Can. Wire facility power to MDP			
6.11 Back Up Power Generator – Connect to the ATS			
6.12 Install and Wire Lighting (E350)			
6.13 Wire WTP instruments and equipment			
6.14 Wire Crawl Space Lighting and appurtenances (E360)			
6.15 Wire the Water Fill Station (solenoid valve and heat trace) (E360)			
6.16 Inspection/Commission of on-site electrical			
F. Facility Electrical Power Total Cost	**Lump Sum**	**1**	**$**

Description of Pay Item – See Specification Section 01 10 00 Summary	Unit	Quantity	Total Amount of Schedule 7
Schedule 7. Facility Mechanical Finish			
7.1 Place the Main Fuel Storage Tank and Day Tank (P501, P601)			
7.2 Baseboard heaters and thermostats (M501)			
7.3 Connect piping			
7.4 Construct Crawl Space Heating System (M301)			
7.5 Finish the hood and vent penetrations			
7.6 Finish Glycol System – Building Heat, Dryers, Water Distribution Loop, and Sewer Loop (Mechanical Sheets)			
7.7 Inspect and Commission Fan, Louver, Fuel, and Boiler systems			
G. Facility Mechanical Finish Total Cost	**Lump Sum**	**1**	**$**

Description of Pay Item – See Specification Section 01 10 00 Summary	Unit	Quantity	Total Amount of Schedule 8
Schedule 8. Facility Process Water Finish			
8.1 Process Piping and associated instruments including sample quills, pressure transducer, flow meters, temperature gauges, flow switches, adaptors. (D201, D202, D203, D501, D502, D503, D505, D506)			
8.2 Disinfection Facilities (D102, D504, D505)			
8.3 Turbidimeter Monitoring (D501)			
8.4 WTP Commission – Subject to Water Supply and Utility Building Status			
8.5 Final Commission subject to Water Supply, Water Transmission Piping, and Utility Building completion			
H. Facility Process Water Finish Total Cost	**Lump Sum**	**1**	**$**

Description of Pay Item – See Specification Section 01 10 00 Summary	Unit	Quantity	Total Amount of Schedule 9
Schedule 9. Utility Building Electrical			
9.1 Utility Building Demolition (D101)	[redacted]		
9.2 Power from the WTP – Washeteria to the Utility Building, (about 900lf), Step Down Transformer, Disconnect, and See One Line Diagram to Panel “A” and “B” (E400, E420)			
9.3 Utility Building Power Distribution including wiring new Panel A, Pump Room Control Panel, RTU Panel, Boiler Control Panel, and instruments and boilers (E410)			
9.4 Utility Building Lights, Receptacles, and Unit Heater Power (E411)			
I. Utility Building Electrical Total Cost	**Lump Sum**	**1**	**$**

Description of Pay Item – See Specification Section 01 10 00 Summary	Unit	Quantity	Total Amount of Schedule 10
Schedule 10. River Intake Civil			
10.1 River Intake Building Access (10 feet wide) and Pad, including Culver (C106, C107)	[redacted]		
10.2 River Intake Pump Housing, Pump Puller Assembly (C401, C108)			
10.3 River Intake Wet Well, and Infiltration Piping (C108, C402, C403)			
J. River Intake Civil Total Cost	**Lump Sum**	**1**	**$**

Description of Pay Item – See Specification Section 01 10 00 Summary	Unit	Quantity	Total Amount of Schedule 11
Schedule 11. River Intake Mechanical and D sheets			
11.1 River Intake Building Equipment and Piping (D101, C402)	[redacted]		
11.2 River Intake Control (I101)			
11.3 Inspect River Intake Mechanical and Civil			
K. River Intake Mechanical and D sheets Total Cost	**Lump Sum**	**1**	**$**

Description of Pay Item – See Specification Section 01 10 00 Summary	Unit	Quantity	Total Amount of Schedule 12
Schedule 12. River Intake Electrical			
12.1 Electrical Transmission Line, Well House to Intake Building, Surface. Disconnect, Transfer Switch, and Portable Generator Receptacle (E100, E500)	[redacted]		
12.2 Lighting and Electrical including IBCP, IB RTU, Panel I, VFD and Panel, and electric heater. Includes the Wet Well Pump (E510)			
12.3 Instrumentation and Control – RTU, VFD, SPCP, and IBCP (E510)			
12.4 Commission River Intake Mechanical and Electrical			
L. River Intake Electrical Total Cost	**Lump Sum**	**1**	**$**

Description of Pay Item – See Specification Section 01 10 00 Summary	Unit	Quantity	Total Amount of Schedule 13
Schedule 13. Water and Electrical Transmission Lines			
13.1 Submittals per the specifications	[redacted]		
13.2 Water Plant to the Utility Building Transmission Main Includes Raw, Treated, and Potable Water lines Includes Electrical Includes Fuel Line from the WTP Yard to the WTP (C103, C104, C502, C503, C504, E100)			
13.3 Well House to Intake Building Water Transmission Main – Intake Structure to the Existing Well House to connect to Existing Well Water Line (C106, C403, C501, C502)			
13.4 Inspection of Water, Electrical, and Fuel Transmission Line(s)			
M. Water and Electrical Transmission Lines Total Cost	**Lump Sum**	**1**	**$**

Description of Pay Item – See Specification Section 01 10 00 Summary	Unit	Quantity	Total Amount of Schedule 14
Schedule 14. Monitor and Control Water Treatment / Production			
14.1 Remote Communication, Telemetry Units – Utility Building, WTP, and Raw Water Intake			
14.2 Raw Water Supply – Call for Water, Production Permissive (I101), (I102), RTU, Submersible Pump Control Panel (E670) and intake Building Control Panel (E660)			
14.3 Water production (I103) and Water Treatment Plant Control Panel (E600)			
14.4 Water Tank / Pump Room – Call for Water (I104), Pump Room control Panel (E630)			
14.5 Inspection and Commission Communications and Control Systems			
N. Monitor and Control Water Treatment / Production Total Cost	**Lump Sum**	**1**	**$**

Description of Pay Item – See Specification Section 01 10 00 Summary	Unit	Quantity	Total Amount of Schedule 15
Schedule 15. Facility Wastewater Disposal Facilities			
15.1 Septic Tank and Sewer Lift Station (C105, C301)			
15.2 Gravity Sewer from WTP to Septic Tank (C105, C501)			
15.3 Sewer Force Main from Septic Tank to Wastewater Drainfield (C105, C501)			
15.4 Absorption Drainfield (C105, C302)			
15.5 Drainfield Fencing (C105, C506)			
15.6 Wastewater Electrical – Immersion Heater (D507)			
15-.7 Inspection and Commission of Wastewater Facilities			
O. Facility Wastewater Disposal Facilities Total Cost	**Lump Sum**	**1**	**$**

P. Total Base Bid Amount (A through O)	**$**

Description of Pay Item – See Specification Section 01 10 00 Summary	Unit	Quantity	Total Amount of Schedule 16
Schedule 16. Additive Alternate 1: Utility Building and Waste Heat Mechanical			
16.1 Heat Recovery Project General Conditions/Mobilization	[redacted]		
16.2 Civil and Structural Waste Heat Line (HR:C001, C801 and S-501)			
16.3 Mechanical Heat Recovery Improvements (HR: M001 – M803)			
16.4 Electrical and Controls Heat Recovery Improvements (HR: E001-E701)			
16.5 Inspection, Commission, and Demonstration of waste heat system and function			
Q. Additive Alternate 1: Utility Building and Waste Heat Mechanical Total Cost	**Lump Sum**	**1**	**$**

R. Unadjusted Bid Amount (P + Q = R)	**$**
S. MBE/WBE Preference (5% of R)	**$**
T. Adjusted Bid Amount for Evaluation Purposes Only (R – S = T)	**$**