

ADDENDUM



Incorporated County of Los Alamos
Procurement Division
101 Camino Entrada, Building 3
Los Alamos, NM 87544

This Addendum forms a part of the Solicitation documents and modifies the original Solicitation documents, as stated herein. All other provisions of the Solicitation documents remain unchanged. This Addendum is hereby made a part of the Solicitation documents to the same extent as those provisions contained in the original documents and all itemized listings thereof.

GENERAL INFORMATION

To:	All holders of Solicitation documents for the below-referenced Solicitation.
Date:	April 8, 2026
Addendum No.:	No. 3
Solicitation No.:	IFB26-21
Solicitation Title:	Jemez Mountain Fire Protection Phase III Project
Contact Name:	Jeffrey Culin
Contact Title:	Procurement Operations Manager
Contact Phone No.:	505.661-4568
Contact E-Mail:	jeffrey.culin@losalamosnm.gov

ACKNOWLEDGEMENT

Respondents are requested to acknowledge receipt of this Addendum by submitting a signed copy of page one (1) of this Addendum with Respondent's Bid or Proposal. Pursuant to NMSA 1978 §14-16-7, this acknowledgement may be signed by electronic signature.

I hereby acknowledge receipt of this Addendum.

Name:		Date:	
Title:		Signature:	
Company:			

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MODIFICATIONS TO THE SOLICITATION AND/OR Q&A

Please note the modifications to the Solicitation and/or questions received and County's answers.

Ref. No.	Modification and/or Question	Answers				
1	<u>Question</u> The invitation to bid for the states that the project was advertised March 15 and has a due date of April 1st, which provided bidders about two weeks prepare and submit a bid. Due to the need to have time to properly study the project, perform quantity takeoffs, contact & procure subcontractors & suppliers quotes, perform site investigations, Identify & submit questions (Prime contractor, subcontractors, & suppliers), incorporate clarifications and changes related to questions, develop complete and accurate pricing, and all the other tasks required to bid a project, can the bid date be extended by a minimum of two weeks?	<u>Date modification</u> Addendum #3- New Dates <table><tr><td>Last Day for Questions:</td><td>April 15, 2026</td></tr><tr><td>Bids Due:</td><td>April 23, 2026</td></tr></table>	Last Day for Questions:	April 15, 2026	Bids Due:	April 23, 2026
Last Day for Questions:	April 15, 2026					
Bids Due:	April 23, 2026					
2	<u>Question</u> The bid form has placeholders for Bid Alternates 1 & 2. Does this project contain and bid alternates, and if so, can the bid alternates be clarified?	<u>Answer</u> This project does not have a Bid Alternate 1 or Bid Alternate 2.				
3	<u>Question</u> SCADA shall be verified by County SCADA integrator". Section 27 5410 1.3 "System Supplier" Qualifications does not list a prequalified, owner contracted, or owner preferred SCADA System Supplier to perform that scope. Do you know if there is an owner preferred, contracted, or required "System Supplier"? who is the contact? Is anyone available to bid for the work in this spec section?	<u>Answer</u> This applies to the housekeeping PLCs not the pump controller PLCs. The county is currently in the middle of migration from HSQ to Ignition. This migration is controlled by fiber availability from Building 5 at camino entrada. Currently we do not have a contract in place for a time line of when it will be installed to this location. So the housekeeping PLCs will need to be brought in to the HSQ system via existing 8 bit HSQ protocol on a 1200 baud radio channel. The county has the knowledge to complete this task. The county will supply the housekeeping PLCs and necessary integration hardware to communicate with AB ethernet IP. We will self-perform the purchase/installation of the				

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		Housekeeping PLCs and the integration to existing SCADA SYSTEM of the contract.
4	<u>Question</u> What is the procedure, if the existing conduit system is not functional for the new fiber installation? I.E. broken/missing mule tape, broken or dirt filled conduit?	<u>Answer</u> If there is an issue with the existing conduit system (I.E. broken or filled with dirt) the previous contractor that installed the conduit will have to come and fix or clean the conduit due to it being under warranty. Coordination will have to be made between the winning bid Contractor and the previous Contractor. All existing conduits have been pigged and installed with pull string (4" fiber conduit) and mule tape (6" electrical conduit).
5	<u>Question</u> It appears that the following bid items have incorrect units: items 31, 29, 27, and 21. Could you please review and confirm?	<u>Answer</u> Bid Items are to be as follows: <u>Bid Item 21-</u> BOOSTER STATION PIPING, INCL ALL FITTINGS, VALVES, APPURTANANCES AND RELATED ITEMS, CIP ,(EACH) , Four (4) <u>Bid Item 27-</u> ELECTRICAL SITEWORK - PUMP STATIONS 2,3,4, (EACH, Three (3) <u>Bid Item 29-</u> ELECTRICAL PUMP STATIONS 1,2,3,4, (EACH), Four (4) <u>Bid Item 31-</u> INSTRUMENTATION - PUMP STATIONS 2,3,4, (EACH), Three (3) Bid Item Units for items 21, 27, 29, and 31 are to be by EACH and not by LUMP SUM
6	<u>Question</u> Who is responsible for SCADA programming/integration?	<u>Answer</u> SCADA integration is to be self-performed by the county
7	<u>Question</u> Is there an existing SCADA standard that the new system must match?	<u>Answer</u> SCADA integration is to be self-performed by the county
8	<u>Question</u> The IFB states that "Each booster pumping system, including pumps,	<u>Answer</u> EC will be required to run connection between skid components.

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	valves, meters, fittings, controls and electrical shall be pre-packaged and pre-ordered on skids for purchase and installation under this contract." but there is no detail of these skids. Will they be pre-mounted and pre-wired or will EC be responsible for mounting and wiring between components?	
9	<u>Question</u> It looks like fiber optic is the responsibility of the EC but Who provides the cable?	<u>Answer</u> Yes, fiber optics is the responsibility of the EC. The EC will provide the fiber cable and innerduct.
10	<u>Question</u> Who performs :Final terminations, OTDR testing or Network commissioning? Has existing conduit been video inspected?	<u>Answer</u> Existing conduit is new, and has passed inspection for final acceptance. Any existing damage found is still subject to warranty and will be repaired by contractor responsible for original installation.
11	<u>Question</u> Has any required coordinating already been completed with electrical utility?	<u>Answer</u> Contractor is to coordinate with electrical utility when needed. Department of Public Utilities Project Manager will assist in the coordination. Electrical wiring in underground conduit will be run by separate contractor transformers and pads are intended to be in place prior to connection.
12	<u>Question</u> Can you provide a bid form with required bid items that pertain to Alternate 1?	<u>Answer</u> This project does not have a Bid Alternate 1 or Bid Alternate 2.
13	<u>Question</u> We respectfully request pre-approval to substitute an alternate pump skid manufacturer for the booster pump systems (skid mounted) defined in section 33 3142. The proposed alternate packager, Precision Pumping Systems	<u>Answer</u> Provided all or equal requirements are met including, pump sizing (flange to flange dimensions and flow specifications) is equal, and panel sizing is no larger than specified or equal, suppliers are acceptable.

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	(PPS), will fully adhere to all plans and specifications as published. Please note that the specified Grundfos pumps and other appurtenances will be maintained without substitution. Only the pump station packager is proposed to change. This substitution will meet all performance, quality, and design criteria outlined in the contract documents. Additional supporting documents including pre-submittal drawings can be provided upon request.	
14	<u>Question</u> The design points listed differ between the specs, the process flow diagram and the pump schedule. Specs and process equipment schedule appear to require lead/lag configuration but each document states different required pressures. Process flow diagram appears to require duty/standby configuration and also states different required pressures compared to the specs and schedule. Please clarify the required configuration (lead/lag vs duty/standby) and required flows & pressures.	<u>Answer</u> <u>Pumps are set up to provide 500 GPM in duplex operation, no spare pump. Single pump operation is only to provide drinking water supply in case of pump failure. Design points are as listed below (duplex):</u> <u>Pump House 1 - 500 GPM @530 FT (duplex)</u> <u>Pump House 2 - 500 GPM @ 461 FT (duplex)</u> <u>Pump House 3 - 500 GPM @ 461 FT (duplex)</u> <u>Pump House 4 – 500 GPM @ 549 ft (duplex)</u>
15	<u>Question</u> Where are the riprap pads located? Can you please provide details for the riprap pad as well?	<u>Answer</u> Pads are immediately adjacent to pumphouse, below discharge for surge anticipator valves.
16	<u>Question</u> Can you please provide the Geotechnical Report for the project?	<u>Answer</u> Geotechnical report attached at the following link: https://losalamosnm.egnyte.com/fl/d3mHxfb96R7H
17	<u>Question</u> Can you please verify the chain link fence bid quantity? It looks the	<u>Answer</u> Bid quantity has been updated

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	fence is located at Booster Stations 2, 3, & 4, totaling 510 LF x 8' high, is 4,152sf. Please advise if there is additional fencing elsewhere?	See Updated Bid Form Below.
18	<u>Question</u> Can you please provide the specifications for CMU, Roofing, Doors & Hardware, and Coating?	<u>Answer</u> Items are included in architectural specification sections, starting at page 44 of the technical specifications. https://losalamosnm.egnyte.com/fl/d3mHxfb96R7H
19	<u>Question</u> Can you provide the process for disinfection & mechanical scrubbing of piping and tank (per Bid Items 36 & 37)?	<u>Answer</u> Mechanical scrubbing of pipes will need to be performed via pigging or ice scrubbing. Tank shall be cleaned to meet NACE requirements for removal of loose material only (WA-1) and disinfected. No loose or defective paint is anticipated. All cleaning and disinfection plans are subject to Engineer and NMED approval and review.
20	<u>Question</u> Specification 331613 Welded Steel Water Tank was provided, but we could not find anywhere within the plans where the 250,000-gallon tank is located. Please advise.	<u>Answer</u> Spec 33 1613 has been removed; this was intended for a phase of the project that has already been completed. No tank is to be installed.
21	<u>Question</u> The bid form provided skips bid item #5. Is this item missing for some reason?	<u>Answer</u> Bid form has been updated See Updated Bid Form Below.
22	<u>Question</u> The bid form (1.5.2 Alternates and Allowances list Alternate 1 and Alternate 2. We could not find any reference to alternates in the plans. Please advise.	<u>Answer</u> Bid form has been updated See Updated Bid Form Below.

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23	<u>Question</u> Is TK-005 (shown on sheet DWG D-005) a new tank to be installed with this project scope? If so, please confirm if the 46-ft diameter on D-005 or the 42-ft diameter shown in Spec 33 1613 Part 1.01 is correct.	<u>Answer</u> The tank is existing, cleaning only.
24	<u>Question</u> The design drawings and specifications do not provide a geotechnical report for the location. Please provide the following information: a. Site Soil Class (consistent with ASCE 7) b. Allowable Design Bearing Pressure (for tank foundation design)	<u>Answer</u> No tank is being installed. Geotech report has been provided as an attachment.
25	<u>Question</u> Spec 33 1613 Part 2.02.E states [The ladders shall be equipped with the appropriate safety climbing devices... exterior "safety" cage shall be provided.] Cages are no longer acceptable by OSHA for fall protection. To prevent unauthorized access, a locking ladder gate can be provided. Please verify if a cage will be required in addition to a safety climb system.	<u>Answer</u> Spec 33 1613 has been removed, this was intended for a phase of the project that has already been completed. No tank is to be installed.
26	<u>Question</u> Spec 33 1613 Part 2.02.F address a platform at the exterior ladder and hatch locations. Are there any additional handrail requirements on the top of this tank beyond the extents of the platform?	<u>Answer</u> Spec 33 1613 has been removed, this was intended for a phase of the project that has already been completed. No tank is to be installed.
27	<u>Question</u> Can you confirm the diameter of the tank inlet piping (DWG D-005 shows 10" and Spec 33 1613 Part	<u>Answer</u>

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	2.02.C shows a 12"). Spec 33 1613 Part 2.02.D shows an 8" overflow. Overflow pipe diameter should be equal to or greater than tank inlet. Is it acceptable to provide a larger overflow pipe?	Spec 33 1613 has been removed, this was intended for a phase of the project that has already been completed. No tank is to be installed.
28	<u>Question</u> Spec 33 1613 Part 2.02.D describes an interior overflow pipe. An interior overflow pipe is acceptable to AWWA, but if it were to fail, it could drain the tank. An exterior overflow pipe is recommended. Is this acceptable?	<u>Answer</u> Spec 33 1613 has been removed, this was intended for a phase of the project that has already been completed. No tank is to be installed.
29	<u>Question</u> Is it acceptable to provide an exterior support inlet pipe that enters the tank through the side of the tank shell?	<u>Answer</u> Spec 33 1613 has been removed, this was intended for a phase of the project that has already been completed. No tank is to be installed.
30	<u>Question</u> Spec 33 1613 Part 2.02.B states "one shell manhole shall be provided." AWWA D100 7.4.4 states that two are required. The tank manufacture will provide (2) 30" manholes. Is this acceptable?	<u>Answer</u> Spec 33 1613 has been removed, this was intended for a phase of the project that has already been completed. No tank is to be installed.
31	<u>Question</u> Spec 33 3250 discusses a planned electric mixer to be used with the tank. Are there any shell penetrations (couplings, nozzles) required with this system? Are there any supports that are required to be welded to the tank by the tank manufacture with this system?	<u>Answer</u> Intent is for tank mixer to rest at bottom of tank with no welding. Welding may be required for conduit penetrations.
32	<u>Question</u> Is cathodic protection required for this tank?	<u>Answer</u> Tank has existing cathodic protection, which will be tied into electrical for upper tank site (SHT D-201)

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33	<u>Question</u> Is a rafter supported (w/ center column) conical roof acceptable (no roof knuckle)?	<u>Answer</u> No tank is to be installed.
34	<u>Question</u> Would you be open to considering an alternative manufacturer for the tablet feeder? We propose the Horizon Tablet Feeder, which has been widely used across the state with proven performance.	<u>Answer</u> Tablet system needs to maintain compatibility with existing county system – basis of bid shall remain per plan.
35	<u>Question</u> Is seeding needed? No seeding item?	<u>Answer</u> No, the majority ground disturbances have been completed already.
36	<u>Question</u> Is there a Geotech?	<u>Answer</u> Geotechnical report attached at the following link: https://losalamosnm.egnyte.com/fl/d3mHxfb96R7H
37	<u>Question</u> Are there plans for this project?	<u>Answer</u> Please see the following Egnyte Link: https://losalamosnm.egnyte.com/fl/d3mHxfb96R7H
38	<u>Question</u> Sheets C-001, C-002, C-003 call out to connect existing HDPE to DIP. Details on sheets D-101 and D-102 show the use of a Stainless-Steel Pipe extended 5' past the building. Can DIP be used instead of SS?	<u>Answer</u> DIP is the correct material for building piping – See attached sheet revisions for D-101 and D-102
39	<u>Question</u> Sheets C-001, C-002, C-003 call out to connect existing HDPE to DIP. Details on sheets D-101 and D-102 show the use of a Stainless-Steel Pipe extended 5'	<u>Answer</u> DIP is the correct material for building piping – See attached sheet revisions for D-101 and D-102

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	past the building. Can DIP be used instead of SS?	
40	<u>Question</u> Pipe for Surge Anticipator Valve? Is this DIP or SS?	<u>Answer</u> DIP – See attached sheet revisions for D-101 and D-102
41	<u>Question</u> Sheet C-004 keynote 9 is not shown on the plan set for temporary camera station but is not shown on the plan sheet. Also keynote 10 is on the plan sheet, however there is no description of what that keynote is.	<u>Answer</u> See attached updated sheet C-004
42	<u>Question</u> Are there any special use permits the contractor themselves will need to get?	<u>Answer</u> LANL Badging is required for the tank site – contractor will need to prepared to submit for a LANL EXID permit. Coordination with USFS may be required for all work in forest service land, but no permits are anticipated for this area.
43	<u>Question</u> Sheet D-101 Fitting Schedule #10 shows 4” DI Pipe Spool as quantity of 0 but is called out in detail A2 on the sheet. Can you clarify?	<u>Answer</u> Pipe spool quantity left blank to provide for adjustment during construction – plan length is approximately 1’-2”
44	<u>Question</u> Sheets D-101 and D-102 item No. 7 on both sheets call for 3” Adjustable Stanction. Assuming this is a Typo and the two areas underneath the pipe in detail A2 marked as keynote 6 should actually be key note 7 and be 8” Adjustable Steel Pipe Stands?	<u>Answer</u> Keynote revised, see attached sheets D-101 and 102

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45	<u>Question</u> Sheet D-102 Some 2" is called out as Galvanized and some as Ductile Iron, we are assuming all 2" will be Galvanized?	<u>Answer</u> Keynote revised all 2" pipe is galvanized, see attached sheets D-101 and 102
46	<u>Question</u> What is the Material and Size of existing Pipe which needs to be mechanically scrubbed?	<u>Answer</u> Existing pipe is 10" C-900 PVC
47	<u>Question</u> Sheet C-004 keynotes 1 & 2, which line item on the bid tab will these two items be covered?	<u>Answer</u> Pay items have been adjusted for this, see revised bid form
48	<u>Question</u> Does the county have an area for disposing of unsuitable material? If so, how far is this location from the site?	<u>Answer</u> Unsuitable material will need to be disposed of by contractor, any unsuitable material with diameter less than 6" may be disposed of and spread at the ski area
49	<u>Question</u> Does the county have an area where rock excavation material can be placed?	<u>Answer</u> Unsuitable material will need to be disposed of by contractor, any unsuitable material with diameter less than 6" may be disposed of and spread at the ski area
50	<u>Question</u> Bid item 36 calls for mechanical scrubbing of the tank. After talking to companies that offer this service it was brought up that any kind of mechanical scrubbing would ruin the integrity of the existing coating inside and would need to be re-coated. Could you please clarify on this item?	<u>Answer</u> Existing coating shall be preserved. Cleaning only.

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51	<u>Question</u> Sheet C-004- Keynotes 1 & 2 indicate to install new 2' meter & box and 1" meter & box, but there is no bid item for these items. Are these required? Can a detail be provided?	<u>Answer</u> Pay items have been adjusted for this, see revised bid form
52	<u>Question</u> Sheet C-004 should Keynote 9 in the Legend be changed to Keynote 10, as there are no Keynote 9 shown on the plans? Could you please provide a detail for the temporary pigging/camera station?	<u>Answer</u> All keynote 10 notes revised to keynote 9 – see attached updated sheet C-004
53	<u>Question</u> Will PLC/SCADA equipment and interfacing be provided by skid/vendor suppliers or does EC need to capture PLC/SCADA? Note 13 on sheet E101 states “SCADA control panel furnished by controls integrator” please confirm if EC is to carry controls integrator or if controls integrator is by owner.	<u>Answer</u> Integrator is by owner
54	<u>Question</u> SOW states (4) pump stations are to be included. Sheet E101 shows electrical for “TYP” pump station. Please confirm EC is to use E101 for all (4) pump stations pricing. If E101 is to be used for all (4) pump station pricing can information be provided on the additional equipment for PS #4 (i.e. chlorination system, cleaning, pigging, and disinfection)?	<u>Answer</u> See attached cutsheet for chlorination equipment Electrical is the same for all pump stations, except for additional integration of chlorination system at PS #4 – chlorination equipment is unrelated to cleaning, pigging and disinfection of existing pipes.

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55	<u>Question</u> Please confirm if EC is to provide/install/term/test fiber loops from plant to plant.	<u>Answer</u> Yes, EC is to provide
56	<u>Question</u> Sheet G-007 shows existing fiber optic conduits to be used. Is it known how far away from new buildings this conduit is located? Please confirm any work EC will have to perform to get existing fiber conduit into new buildings.	<u>Answer</u> Fiber conduit is stubbed out 5-7 feet out side of pull boxes – stubs are all located outside of asphalt immediately next to the pump house sites. Fiber conduit will require mule tape, only string was installed by previous contractor.
57	<u>Question</u> Questions are for the meters from the manufacture. We have some questions that we need to have addressed so we can provide an accurate quote. Your RFQ is for (4) 8” meters and (1) 10” meter. But the scope of work seems to be different, (3) 6” meters and (1) 10” meter: "The work covered by this section includes specialty Meters: A Magnetic Flow meter, and associated SCADA ready control panel & equipment. There are three (3) Meters. One 6-inch Meter is located in a new vault at Camp May Booster 4 at or about Station 83 + 35 in the waterline, at or about ground Elevation 8934 feet, per NAVD 88. One 6-inch Meter is located in a new vault at Camp May Booster 1 at or about Station 256 + 00 in the waterline, at or about ground Elevation 7624 feet, per	<u>Answer</u> Project contains 3 meters total, one of which is existing and only needs integration. Existing meter at pump house 1 will need readout mounted inside of pumphouse and connection to panels. New 6” meter at booster station 4 is to be installed in exterior vault with readouts mounted interior to pumphouse. New 10” meter at tank site is to be installed in elevated hot box, and will need to be a Waterflux (not optiflux) 3300 due to space constraints.

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	NAVD 88. One 10-inch Meter is located in a new vault at the existing Camp May Tank 1, in the existing tank suction line to the adjacent existing Camp May booster station, at or about approximate ground Elevation 9420 feet, per NAVD 88." Can you clarify the meter sizes and quantities required please?	
58	<u>Question</u> If these are in vaults, they likely need to be furnished rated IP68 for temporary submergible service. This will require them to have remotely mounted electronics and the appropriate length of interconnecting cable to connect the flow sensor to the remotely mounted display. The spec makes no mention of IP69 rating. The spec is also unclear as to whether the electronics and displays should be mounted directly on the flow sensor or remotely away from it. We need this info to furnish an accurate quote.	<u>Answer</u> IP 68 rating is only required for meter at pumphouse 1 & 4 (pumphouse 1 meter is existing and only needs integration). Pumphouse 1 & 4 meters shall have the readouts and electronics mounted remotely inside the pumphouse. Meter at tank site shall have electronics and display mounted directly to meter – meter is located in elevated location in hot box and submersion is not anticipated.
59	<u>Question</u> Regarding the flanges these meters are to be supplied with, here is what the spec calls for: "2. Two (2) Electromagnetic Flow Meters, 6" diameter, FE x FE meeting AWWA requirements, with 250 lb flanges with 300 psi-rated joints, 250 pound pressure rating class per ANSI B 16.5, ASTM 316 SS electrode, external grounding rings, hard rubber	<u>Answer</u> Pipe in vaults is ductile iron, AWWA C110. A minimum 250PSI rating is required for pumphouse 4 only.

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	lining, with flow rate and flow totalizer functions. 3. One (1) Electromagnetic Flow Meter, 10" diameter, FE x FE meeting AWWA requirements, with 250 lb flanges with 300 psi-rated joints, 250 pound pressure rating class per ANSI B 16.5, ASTM 316 SS electrode, external grounding rings, hard rubber lining, with flow rate and flow totalizer functions." We are going to need to offer either 300# RF ANSI flanges or AWWA Class E FF flanges to meet the pressure rating the specs asks for. What I can't understand is whether the engineer wants ANSI Flanges or AWWA flanges. Are you quoting ductile iron pipe for this project or steel pipe.? We just need the engineer to tell us to quote AWWA Class E flanges or ANSI 300# B 16.5 flanges.	
60	<u>Question</u> The spec requires the Krohne Optiflux 2000 with IFC 300 converter, which combined is an Optiflux 2300: "4. Manufacturers Reference: KROHNE OPTIFLUX Series 2000 - Model Optiflux 2000 F-06-inch or F-10-inch Diameter, with separate pipe-mounted or wall-mounted IFC 300 Signal Converter (Choice of signal converter mounting location and housing by Owner)." Your RFQ asks for a Model 3300, which does not exist. We will quote the 2300. The spec also states "choice of signal converter	<u>Answer</u> Mounting locations are within 30 feet of vaults for vault installed meters. Hot box meter shall be mounted directly. Model 3300 is intended to be Waterflux, not Optiflux due to space constraints.

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	location mounting by owner". We need to confirm this.....which do they want: Can you clarify mount type? Signal converter mounted to the flow sensor or remotely mounted. If remotely mounted, we need to know the interconnecting cable length to include.	
61	<u>Question</u> Lastly- This a tough one to quote: "B. Manufacturers or their representatives shall be responsible for a minimum of 5-days testing and operational assistance for trouble-shooting, instructions and startup of equipment, after Electrical and Control wiring and SCADA setups have been completed. Costs of such shall not be paid separately, but be considered incidental to the equipment." Is this 5 consecutive days, or 1 day in 5 trips to the site?	<u>Answer</u> This is intended to cover startup or troubleshooting; the manufacturer is only required to provide assistance if technical issues arise.
62	<u>Question</u> Question from Koehne. "I see they are trying to use a magmeter that does not require any straight runs of pipe on the inlet and outlet. The Waterflux 3300 fits this intended use. But they also specify a Zurn model 375AST backflow preventer. The attached data sheet for the backflow preventer clearly states the max working pressure	<u>Answer</u> The meter and backflow preventer are at the end of the pipeline, max anticipated pressures at this location are no more than 40 feet of head.

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	is 175 PSIG. From data sheet: Features: Sizes 2 1/2", through 10" Maximum working water pressure 175psi The Zurn model 375AST backflow preventer comes with iron bodied gate valves with these flanges: (Flanged bolt pattern) ASME B16.42 Class 150 Here are the max operating pressures ranges for the Krohne Waterflux: Operation pressures - Up to 16 bar (232 psi) for DN25...200/1...8" Up to 10 bar (150 psi) for DN250...600/10...24"	
63	<u>Question</u> Will a discharge permit be required for this project?	<u>Answer</u> No discharge permit is anticipated – existing tank can be drained using pumps at ski area.
64	<u>Question</u> Does this project require builder risk and/or workmanship insurance?	<u>Answer</u> General Liability Insurance: Required for all licensed contractors. ○ Coverage Limits: For many county-related agreements, the standard is \$1,000,000 per occurrence and \$1,000,000 aggregate. ○ Workmanship/Surety Bonds: New Mexico state law, which Los Alamos follows, requires a Contractor License Bond (typically \$10,000 minimum, or \$25,000 for general building). This bond serves as a form of "workmanship" protection for consumers against defective construction or license violations. ○ Workers' Compensation: Mandatory for all contractors with 3 or more employees, or for any contractor with no employees if required by the state. ○ Automobile Liability: Minimum of \$1,000,000 combined single limit per occurrence for vehicles used in performing services under county agreements.

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65	<u>Question</u> Will the discharge be able to be ground applied or will it need to be put in tanks?	<u>Answer</u> Existing tank can be drained to pond as top of ski hill using existing pumps.
66	<u>Question</u> Specified ABB ACH 550 VFD's are obsolete. Is ABB ACH580 or ACQ580 preferred as the replacement?	<u>Answer</u> Engineer has no preference – VFDs are to be furnished by pump system supplier as a package.
67	<u>Question</u> Bid Item 22- 8" Backflow preventer, piping, and vault. We could not find where these are located within the plans. If required, can a detail be provided? Please advise.	<u>Answer</u> See sheet C-005 and C-502 for detail. Bid item has been updated to 10" diameter.
68	<u>Question</u> Can you confirm the existing PLC make and model in the PS1-SCPC control panel.	<u>Answer</u> [DLW] PS1 SCP1 is new (this project scope). Existing SCP0, on the east side of the original reservoir tank, is an RTU that speaks 8-bit proprietary serial protocol. Owner will perform the integration to PLC via custom gateway that will speak Ethernet IP on the PLC side.
69	<u>Question</u> Please confirm which SCADA platform the system will communicate with. Additionally, is the contractor responsible only for providing the I/O tag list, or for assisting with integration into the SCADA system?	<u>Answer</u> [DLW] Ref: Spec 27 5410 para 1.2 (D) and (E) and para 1.6 (B) and (C) – Full assistance is required for the Owner to integrate new equipment into their SCADA program – network addresses, local setpoints, I/O tag list, alarms, etc. Owner will edit the program or separately contract to edit or upgrade the program.
	<u>Modification</u> REVISED BID FORM	Bid quantity has been updated See Updated Bid Form Below.

Bid Form

Base Bid:

ITEM NO.	ITEM DESCRIPTION:	UNIT:	QTY	UNIT PRICE	TOTAL
GENERAL ITEMS					
1	MOBILIZATION/DEMOBILIZATION	LS	1		
2	TRAFFIC CONTROL	LS	1		
3	CONSTRUCTION STAKING, CIP.	LS	1		
4	CONSTRUCTION SURVEY, CIP.	LS	1		
5	RELOCATION OF EXISTING UTILITIES	ALLOW	1	\$10,000.00	
6	MATERIALS TESTING	ALLOW	1	\$10,000.00	
7	LABORATORY TESTING	ALLOW	1	\$10,000.00	
BOOSTER STAIONS					
8	CMU BOOSTER BUILDING, INCL. BUILDING ELECTRICAL , APPURTENANCES, MECHANICAL, AND ALL RELATED ARCHITECTURAL ITEM, CIP	EA	4		
9	CMU BOOSTER BUILDING FOUNDATION, INCL SUBGRADE PREP AND RELATED WORK, CIP	EA	4		
10	RIPRAP SPLASH PADS	SF	64		
11	SITE GRADING, CIP	CY	352		
12	EXCAVATE & DISPOSE OF UNSUITABLE MATERIAL, COMPL.	CY	200		
13	MATERIAL WHEN NOT OBTAINED FROM WITHIN LIMITS OF CONSTRUCTION, COMPL.	CY	100		
14	CHAIN LINK FENCE, INCL. POSTS, HARDWARE & GATES, CIP.	SF	4152		
15	6" THK GRAVEL DRIVE PAD AND SUBGRADE PREP, CIP	SY	711		
16	BOOSTER PUMP SKID 1, INCL. PUMPS, PIPING, FITTINGS, CONTROLS, AND APPURTENANCES, CIP.	EA	1		
17	BOOSTER PUMP SKID 2, INCL. PUMPS, PIPING, FITTINGS, CONTROLS, AND APPURTENANCES, CIP.	EA	1		

18	BOOSTER PUMP SKID 3, INCL. PUMPS, PIPING, FITTINGS, CONTROLS, AND APPURTENANCES, CIP.	EA	1		
19	BOOSTER PUMP SKID 4, INCL. PUMPS, PIPING, FITTINGS, CONTROLS, AND APPURTENANCES, CIP.	LS	1		
20	BOOSTER STATION PIPING, INCL ALL FITTINGS, VALVES, APPURTANANCES AND RELATED ITEMS, CIP	LS	4		
21	8" BACK FLOW PREVENTER, INCL. PIPING, APPURTENANCES, AND VAULT, CIP.	EA	4		
22	2150 CHLORINATOR FOR BOOSTER STATION 4, INCL PIPING, INJECTION QUILL AND ALL APPURTENANCES PER SHEET C-505, CIP	LS	1		
23	CONNECT SITE PIPING TO EXISTING HDPE PIPING, CIP	EA	8		
24	CMP DRAIN PIPE CIP	LF	28		
ELECTRICAL AND FIBER OPTICS					
25	ELECTRICAL SITEWORK - PUMP STATION 1	LS	1		
26	ELECTRICAL SITEWORK - PUMP STATIONS 2,3,4	LS	3		
27	ELECTRICAL SITEWORK - UPPER RESERVOIR	LS	1		
28	ELECTRICAL PUMP STATIONS 1,2,3,4	EA	4		
29	INSTRUMENTATION - PUMP STATION 1	LS	1		
30	INSTRUMENTATION - PUMP STATIONS 2,3,4	EA	3		
31	INSTRUMENTATION - UPPER RESERVOIR	LS	1		
32	12 STRAND SINGLE-MODE FO BUNDLE	LF	25,893		
33	3 - 1+1/4" HDPE INNERDUCT IN EXISTING 4" PVC CONDUIT	LF	25,993		
TANK SITE AND SKI AREA					

34	DISINFECTION AND MECHANICAL SCRUBBING OF EXISTING SKI AREA PIPING, PER SHEET C-004	LS	1		
35	DISINFECTION AND MECHANICAL SCRUBBING OF EXISTING SKI AREA TANK, PER SHEET C-004	LS	1		
36	BACK FLOW PREVENTER AND METER, PER DETAIL SHEET C-502, INCL. PIPING AND APPURTENANCES, HOT BOX ENCLOSURE AND PAD, PER SHEET C-502, CIP.	LS	1		
37	CONNECTION TO EXISTING WATER LINE, CIP	EA	3		
38	2" METER AND BOX CONNECTION TO EXISTING SERVICE, CIP	EA	2		
39	1" METER AND BOX CONNECTION TO EXISTING SERVICE, CIP	EA	1		
MISSELANIOUS ITEMS					
40	PORTABLE CHANGEABLE MESSAGE SIGN-FULL MATRIX-COMPACT	EA	2		
41	ROCK EXCAVATION	CF	200		
42	ASPALT PATCHING (SP IV)	SY	500		
43	BASE COURSE	SY	500		
44	6" Steel Bollards (Electric Switches & Transformer Locations at Pump Station #3 & #4 and Heading up Ski Hill)	EA	30		

Total Bid Amount written in words:

_____ Dollars

Note: The bid amount shall exclude state gross receipts tax or local option tax, but shall include all other costs of doing business, including but not limited to bonds, insurance and profit. The Incorporated County of Los Alamos is required to pay the applicable tax including any increase in the applicable tax becoming effective after the date the contract is entered into. The applicable gross receipts tax or local option tax shall be shown as a separate amount on each billing or request for payment under contract. The Incorporated County of Los Alamos reserves the right to reduce or add quantities.