CITY OF COLUSA

425 Webster Street
Colusa, Ca 95932

BID OPENS
August 26, 2025 at 2:00 PM

BID ADDENDUM #3

City of Colusa
Colusa New Water Production Well, Pilot Testing, Upgrades to Wells Nos 4, 5 & 6, Abandon Wells 2 & 3 & Walnut Ranch Wells 1 & 2

TO ALL BID DOCUMENT HOLDERS:

The following are clarifications and answers along with some additional information to current bidders.

Pre-Bid Meeting Clarifications:

1. Well 6 will also be abandoned: 440' deep, 16" Diameter, Site will be cleared level and existing building demolished and all materials removed from the site and hauled to the PW yard on Will S Green.
2. Well 2 data: 0-90': 30" Diameter; 90-440' 14" Diameter; Site will be cleared level and existing building demolished and all materials removed from the site and hauled to the PW yard on Will S Green.
3. Well 3 data: 0-50': 30" Diameter; 50-440' 14" Diameter, Site will be cleared level and existing building demolished and all materials removed from the site and hauled to the PW yard on Will S Green.
4. Walnut Ranch Wells 1& 2 abandonments: The bidders shall assume the wells to be 12" diameter and 450' deep for bidding purposes. All piping and materials shall be removed from the site and cleared level and hauled to the PW yard on Will S Green.
5. Wells shall be abandoned per Colusa County Environmental Health Department and shall include fees
6. All air stripper have been removed from project plans
7. The number and configuration of filters will depend on the water quality tests. Bidders shall assume 3 as shown on the plans hereon.
8. Well 6A is being drilled under a separate contract, all treatment will be installed on the new well
9. Wells, 9, 6A, 5, 4 will all have VFD's; Well Horse powers are as follows: Well 9: 235 HP, Well 6A: 100 HP, Well 5 60 HP, Well 4, 75 HP. Well 6A's VFD will be relocated from the Existing Well 6.
10. Regarding integration of wells, we have included as-bults for current SCADA system and the City will expect the contractor's bid to include integration of all wells including Well 9 into the system.
11. Labor compliance is through DIR.
12. A sound wall will not be required.
13. The City will perform the construction staking, a construction staking request form will be sent out and will require 48 hours notice
14. The staging area is up to the contractor to find

15. Water source and cuttings disposal for well 9 site? Water source will be via a fire hydrant that's adjacent to the site. Cutting must be stockpiled and contained above ground in roll off containers. Disposal must be manifested appropriately.
16. Contractors shall be experienced in these types of public works projects and shall provide at least 3 municipal projects demonstrating experience with this type of work in the past 5 years below.

Name of Project	Municipality	Date of Completion

17. Please note the standby generator for Well 9 shall be a 250 kW and for Well 6A shall be a 150 kW. This has been reflected in the updated bid schedule.
18. Well 6- Bid Item 46, Prior to demo of existing building the contractor shall relocate the chemical feed system, VFD and Electrical panel.

Questions Received:

19. The Volume 6 Construction Provisions require multiple systems throughout the project to be sized after pilot testing as part of this contract. Should the pilot testing require changes to the as-bid equipment, please confirm that cost differences will be paid via change order. The design reflects the best information known at the time we did testing already, so if the pilot testing merely confirms the previous technical studies, then there would be no need for CCO's, based on your logic above. However, if the testing results modify the parameters to where the design needs to be updated, then it could result in either negative or positive CCO's.
20. Multiple long lead procurement items for the project cannot be sized and ordered till after a pilot study is completed, likely extending beyond the 120 working days to complete the project. How will these long lead items extending the project be handled during the contract, particularly in response to liquidated damages? We will handle these as necessary and realize that that possibility exists, but the funding agency has requested we build this within this time frame, at least to start with. If there are justifiable reasons to extend the contract timing, they will certainly be considered.
21. The Volume 6 Construction Provisions under the Quality Assurance section requires manufacturers be companies approved by the City of Colusa. Please provide a list of manufactured items and their approved suppliers pertaining to this bid. We don't maintain such a list. The intent is that we have experienced contractors whom understand and have provided like work successfully.
22. Well Site #9 receives a Well Head Building. Drawing D8 of 12, Section A indicates 3" HMA over 4" AB around the Well Head Slab. HMA shows up on two other details around the Fill Valve and Enclosure Detail 3/D2 and Flow Meter Detail 5/D2. Site Plan C1 for Well #9 calls for CLIIAB and C2 for Well #5 calls for CLIIAB. There is no asphalt concrete spec for the project, it has been crossed out of the technical specs. Does the City want HMA Asphalt under the Well Head Building; Fill Valve and Enclosure; and Flow Meter? No, we will update that. The site will just be base rock.
23. Please provide a description of Well #9 bid items 11, 37, 38, 40, 45, 50, 52, and 54 and where this work for Well #9 is clearly defined in the electrical drawings. Drawings have been revised with as-built information added. See attached spreadsheet at the end of this addendum for more information.
24. Please provide a description of Well #5 bid items 17, 22, 25 and where this work for Well #5 is clearly defined in the electrical drawings. Drawings have been revised with as-built information added. See attached spreadsheet at the end of this addendum for more information.

25. Please provide a description of Well #6 bid items 8, 10 and where this work for Well #5 is clearly defined in the electrical drawings. Drawings have been revised with as-built information added. See attached spreadsheet at the end of this addendum for more information.
26. Drawing G3 indicates a new VFD at Well #4; however, there are no electrical drawings. Please provide. Drawings have been revised with as-built information added. See attached spreadsheet at the end of this addendum for more information.
27. Drawing E1 provides a single line diagram. Which site does this apply to? Or is it a typical for Well #5 & #9? Typical
28. Drawing E2 provides a site plan. Which site does this apply to? Or is it a typical for Well #5 & #9? Typical
29. What type of PG&E connects are anticipated for the sites with new services? 600A at Well 9
30. Drawing E3 provides a luminaire schedule; however, no light fixtures are shown on the drawings. Please provide. We have eliminated any pole mounted lights from all well sites. The buildings shall have light packs installed on the exterior walls on 3 sides. 60W Commercial LED Wall Pack - Wattage & CCT Selectable - 8,250 Lumens - Integrated Photocell - Clear Lens - Dark Bronze Finish
31. Please provide the location of the standby generators on the electrical drawings. See site plan sheets
32. Please provide the location of the new RTU and the existing control panels shown on E4. See attached as-built data additional plan sheets.
33. Please provide the location of the air strippers at Wells #4 & #5 on the electrical drawings. Air stripper have been eliminated

<u>Well Site 9, 5, 6A</u>

34. Is it the intent that the General Contractor will hire Design Engineer to finish the design for the Filter System? No, the intent is that the manufacturer of the filters will be able to utilize the water test data to supply the size and layout once water quality data has been updated.
35. Is it the intent that the General Contractor will hire a Design Engineer to furnish the updated basis of design from the pilot study results or to provide the owner with the pilot study data to finalize design? Contractor shall work with the City, should the basis of design vary significantly based on water quality test data. The current design is based on data and water quality testing that was done in 2015.
36. Bid Item 2 Cut and Bid Item 3 Fill,
    a. Since there are no existing or finished grades on the plans, How will Bid Items be measured for quantities and paid? The cut amount is based on removal of native soils and installation of base rock section.
    b. Does this bid item quantity include excavation and backfill for all concrete slabs? No
    c. Does this bid item quantity include necessary excavation for site AB placement? Yes
37. Bid Item 32 - 12” C-900, Bid Item 7 – 8” C-900, and Bid Item 4 – 12” C-900, Are the Bid form quantities for C-900 Water Line inclusive of the Pipe above ground? This line 100 % underground or are some of these lines above ground and changes to Ductile Iron and fittings. We have included no Ductile Iron fittings in the bid quantities. All pipe quantities shown here on are below ground.

<u>Well Site 9 & 5</u>:

38. Bid Item 46 & 18 Filter Surface Wash Pump,
    a. Please define bid item for size and type of pump. Included within the filter package
39. Bid Item 47 & 19 Pneumatic Control Valves:
    a. Please define this bid item and indicate size and location. See SCADA drawings
40. Bid Item 48 & 20 Flow Control Valves
    a. Please define this bid item and indicate size and location. See SCADA drawings
41. <u>Well Site 5</u> Bid Item 4 calls for 6 EA Tree Removal on the Bid Item List as well as Plan page C2. At <u>Well Site 6A</u> on Plan Page C3 there are 2 EA EXISTING TREE TO BE REMOVED and no bid item. Please confirm these 2 tree removals are to be included in the Well 6A Bid Item 1 Clearing & Grubbing. Bid Schedule updated

<u>Well Site 6A,</u>

42. Bid item 5 – 8” water valves. Should these be 12” valves? Bid Schedule updated
43. Bid item 7 – 8” blow off valve. Should this be a 12” valve? Bid Schedule updated
44. Bid item 8 – 8” flow meter. Should this be a 12” flow meter? Bid Schedule updated

Well Site 9, 5

45. What filter system was used to derive the Type, number and size of the valve used in the Quantity Bid Items, the Single Multi-Cell Tank Alternative or 3 Individual Pressure Filters? 3 Individual Lowprest System
46. Pneumatic valves are called out on the bid form and a compressor section is included in the specifications, however no compressor system is indicated in the plan set. Please provide details on the compressed air system to run any pneumatic valves. To be done as a job submittal by contractor

47. During the Prebid meeting updated plans are being issued. Please confirm all changes in these drawings will be clouded or highlighted. Sheets with changes have a Delta 1, changes are not clouded or highlighted.

The undersigned has received and read this addendum. Bids submitted without a signed copy of this addendum may be considered non-responsive and may be rejected.

_____	_____
Contractor	Signature
_____	_____
Name (printed)	Date

WELL SITES ELECTRICAL MATRIX				
DESCRIPTION	WELL NO. 4	WELL NO. 5	WELL NO.6	WELL NO. 9
WELL PUMP	(E) 75 HP	(E) 60 HP	(E) 100 HP	(N) 235 HP
WELL PUMP MOTOR CONTROLLER	(N) VFD	(N) VFD	(E) VFD	(N) VFD
WELL PUMP CONDUCTORS	EXISTING	EXIISTING	EXISTING	NEW
SCADA PANEL - PLC/IO/OIT/RADIO/ MAST/CABLE/ ANTENNA/ COMMUNICATIONS/CP ENCLOSURE	EXISTING TO BE MODIFIED	EXISTING TO BE MODIFIED	EXISTING TO BE MODIFIED	NEW SCADA MAIN CONTROL PANEL COMPLETE
PLC ANALOG INPUTS	ONE FOR VFD EXISTING SPARES TO BE MODIFIED	ONE FOR VFD EXISTING SPARES TO BE MODIFIED	ONE EXISTING SPARES TO BE MODIFIED	NEW ONE FOR VFD, 2 VALVES, 3 FLOWMETERS, DP XMTR AND 2 PRESS XMTRS, 1 LEVEL
PLC ANALOG OUTPUTS	ONE FOR VFD EXISTING SPARES TO BE MODIFIED	ONE FOR VFD EXISTING SPARES TO BE MODIFIED	ONE EXISTING SPARES TO BE MODIFIED	NEW 1 FOR VFD
PLC DIGITAL INPUTS	4 FOR VFD, 3 FOR FCP EXISTING SPARES TO BE MODIFIED	4 FOR VFD, 3 FOR FCP EXISTING SPARES TO BE MODIFIED	ONE EXISTING SPARES TO BE MODIFIED	NEW 4 FOR VFD, 3 FOR FCP, 2 FOR RECYCLE. 2 FOR TANK LEVEL, PF
PLC DIGITAL OUTPUTS	TWO FOR VFD EXISTING SPARES TO BE MODIFIED	TWO FOR VFD EXISTING SPARES TO BE MODIFIED	ONE EXISTING SPARES TO BE MODIFIED	NEW 2 FOR VFD, 4 VALVE OPEN. 2 CHEM PUMP RECPT, RECYCLE PUMP
PLC PROGRAM	EXISTING TO BE MODIFIED	EXISTING TO BE MODIFIED	EXISTING TO BE MODIFIED	NEW
AIR STRIPPER CONTROL PANEL PLC	DELETED	DELETED	DELETED	DELETED
FeMg FILTER CONTROL PANEL	ADDED	ADDED	ADDED	REMAINS
FCP-MAIN CONTROL PANEL COMM	VIA I/O	VIA I/O	VIA I/O	VIA I/O
FLOWMETER	Existing	Existing	Existing	NEW
DIFFERENTIAL PRESSURE XMTR				
LEVEL TRANSMITTER				
PRESSURE TRANSMITTER	Existing Press Switch	Existing Press Switch	Existing PT	NEW
LEVEL SWITCH				
MCC	EXISTING	EXIISTING	EXISTING	NEW
UTILITY SERVICE EQUIPMENT	EXISTING	EXIISTING	EXISTING	NEW
SERVICE GROUND				NEW
AUTOMATIC TRANSFER SWITCH				NEW
GENERATOR				NEW 300 KW
PANELBOARD TRANSFORMER				NEW 10 KVA MIN
FIRST PANELBOARD	EXISTING	EXISTING	EXISTING	NEW 120/240V, 1PH
SECOND PANELBOARD			NEW 120/240V, 1PH	NEW 120/240V, 1PH
TYPE 1 LIGHT FIXTURE PLUS CONDUIT AND WIRE			NEW LED QUANTITY	NEW LED QUANTITY
EXTERIOR BUILDING LIGHTING: 60W Commercial LED Wall Pack - Wattage & CCT Selectable - 8,250 Lumens - Integrated Photocell - Clear Lens - Dark Bronze Finish		NEW	NEW	NEW
LIGHT SWITCH PLUS BOX, COVER, CONDUIT AND WIRE			NEW	NEW
DUPLEX RECPTACLES INTERIOR PLUS BOX, COVER, CONDUIT AND WIRE			4 New	4 New
DUPLEX RECEPTACLE EXTERIOR PLUS FS BOX, WP COVER, CONDUIT AND WIRE			None	None
HEAT TAPE, JUNCTION BOX, CONDUIT AND CONDUCTORS			3 NEW	3 NEW
RECYCLE PUMP AND STARTER, CONDUIT AND CONDUCTORS			NEW	NEW
TELCO DEMARK BOX			NEW	NEW
CHEM BLDG			NEW	NEW

CONTRACTOR'S BID- UPDATED WITH ADDENDUM 3

Well No. 9

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	BID COST
Earthwork and Site Preparation					
1	Clearing & Grubbing w/ 0.20' Clearing	0.3	AC		
2	Cut	484	CY		
3	Fill - Cost of Compaction (In Place)	242	CY		
4	Finish and cleanup	1	JOB		
Well Drilling and Pilot Study					
5	Drill 52-inch Borehole, furnish and install 40-inch OD x 3/8 inch wall ASTM A 139 Mild Steel Conductor Casing, Cement into Place	50	LF		
6	Drill 17.5 inch Pilot Bore Hole 50 ft to 800 feet	750	LF		
7	Provide Borehole Geophysical Surveys	800	LF		
8	Completing Well including test pumping, grouting, gravel well casing, screening and disinfecting.	800	LF		
9	Install Isolated Aquifer Zone Tool, Seals and Gravel Envelop, and Provide for Initial Development by Airlifting	4	EA		
10	Provide Temporary holding tanks, Temporary Conveyance piping, booster pumps and any other equipment necessary to provide for discharge routing to City SD.	1	LS		
11	Electrical Work – 3 110V Duplex Receptacles, VFD, Electrical Connection to PGE Power, Transformers and Panels, all electrical work to connect to SCADA and operate well site	1	EA		
12	Pump Isolated Aquifer Zones (est. 12 hrs per zone).	4	EA		
13	Connection of new well facilities to city water system 12" DI Pipe	4	EA		
14	Provide Isolated Aquifer Zone Test Laboratory Analysis		LS		
15	Ream Pilot Borehole to 34-inch 50 – 800 ft	750	LF		
16	Furnish and install 20-inch x 3/8" Wall ASTM A778 304L Stainless Steel Blank Casing +2 – 800 feet.	800	LF		

17	Furnish and install 20-inch x 5/16-inch Wall ASTM A778 304L Stainless Steel Ful-Flo louvered Well Screen with 0.060 inch slots 206' – 228' and 265' – 302' and 410' – 430' and 740-780.	119	LF		
18	Furnish and install two (2) 3-inch Sch. 40 304L Stainless Steel Gravel Feed Pipes +1 – 760'	760	LF		
19	Furnish and install 4-inch Sch. 40 304L Stainless Steel Camera Access Tube and 8-foot connection box +1-800 ft.	800	LF		
20	Furnish and install 2 inch SCH 40 Stainless Steel sounding Tube and 2 foot connection box. +1-800 ft.	800	LF		
21	Furnish and install Engineered Gravel Envelope and #60 Fine Transition Sand	1	LS		
22	Furnish and install 10.3 – sack Sand Cement Slurry Annular Seal	1	LS		
23	Provide initial development by Swabbing and Focused Intake Pumping	1	LS		
24	Provide, Install, and Remove Development Test Pump	1	LS		
25	Provide Final Development by Pumping and Surging	1	LS		
26	Conduct Aquifer Pumping Tests (8-hr step drawdown, 24 hr. constant rate drawdown, and 4-hr recovery tests)	1	LS		
27	Provide Downhole Video Survey	1	EA		
28	Provide Plumbness and Alignment Surveys	1	EA		
29	Provide Well Disinfection	1	EA		
30	Iron And Manganese Pilot Study	1	LS		
31	Chlorination/Oxidation Pilot Study	1	LS		

Treatment System

32	12" PVC-C900 Water Line	180	LF		
33	12" Water Valve	6	EA		
34	12" Check Valve	1	EA		
35	1" Air Release/Vacuum Valve	2	EA		
36	2" Flow Meter	1	EA		
37	250 kW Generator	1	EA		
38	Backwash Tank w/ Pump	1	EA		
39	10' Dia. X 39' Multicell Filter Unit (or 3 Filter Units)	1	EA		
40	16" Vertical Turbine Production Pump	1	EA		
41	16" Bowl Units	6	EA		
42	Pump Systems/Controls/SCADA	1	EA		
43	Filter Surface Wash Pump	3	EA		

44	Pneumatic Control Valves	6	EA		
45	Flow Control Valves	3	EA		
46	Chemical Pump, Hypochlorite, Appurtenances	2	EA		
47	Chemical Control Panel	1	EA		
48	Chemical Tank	2	EA		
49	Chemical Building	1	EA		
50	Treatment Control Building	1	EA		
51	Well Head Building	1	EA		
52	Generator Building	1	EA		

Paving and Site Work

53	10" (AB) Base, Class 2	8,000	SF		
54	18" Reinforced PCC	670	SF		
55	Trench Repair	20	LF		
56	Chain Link Fence	280	LF		
57	Man Gate	1	EA		
58	Vehicle Gate	1	EA		
59	Storm Drain Inlet	1	EA		
60	12" HDPE Type S- Storm Drain	60	LF		
61	4" Backwash Line	135	LF		
62	8" SDR-35 Sanitary Sewer Main	935	LF		
63	48" Diameter Sewer Manhole	3	EA		

WELL NO. 9 TOTAL BID COST: $_____

Well No. 5

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	BID COST
	Earthwork and Site Preparation				
1	Clearing & Grubbing w/ 0.20' Clearing	0.07	AC		
2	Cut	100	CY		
3	Tree Removal	6	EA		
	Pilot Study				
4	Iron And Manganese Pilot Study	1	LS		
5	Chlorination/Oxidation Pilot Study	1	LS		
	Treatment System				
6	8" PVC-C900 Water Line	150	LF		
7	8" Water Valve	3	EA		
8	8" Check Valve	1	EA		
9	1" Air Release/Vacuum Valve	2	EA		
10	2" Flow Meter	1	EA		
11	Backwash Tank w/ Pump	1	EA		
12	8' Dia. X 24' Multicell Filter Unit (or 3 Filter Units)	1	EA		
13	3 110V Duplex Receptacles, VFD, Electrical Connection to PGE Power, Transformers and Panels, all electrical work to connect to SCADA and operate well site	1	Job		
14	Filter Surface Wash Pump	3	EA		
15	Pneumatic Control Valves	6	EA		
16	Flow Control Valves	3	EA		
17	Chemical Pump, Hypochlorite, Appurtenances	2	EA		
18	Chemical Control Panel	1	EA		
19	Chemical Tank	2	EA		
20	Chemical Building	1	EA		
21	Treatment Control Building	1	EA		
	Paving and Site Work				
22	10" (AB) Base, Class 2	3,200	SF		
23	18" Reinforced PCC	670	SF		
24	Chain Link Fence	240	LF		
25	Man Gate	2	EA		
26	4" Backwash Line	35	LF		

WELL NO. 5 TOTAL BID COST: $_____

Well No. 6A

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	BID COST
Earthwork and Site Preparation					
1	Clearing & Grubbing w/ 0.20' Clearing	0.20	AC		
2	Cut	202	CY		
3	Demolish Existing Well Head Building	1	LS		
4	Tree Removal	4	EA		
Treatment System					
5	12" PVC-C900 Water Line	150	LF		
6	12" Water Valve	3	EA		
7	12" Check Valve	1	EA		
8	1" Air Release/Vacuum Valve	2	EA		
9	12" Blowoff Valve	1	EA		
10	12" Flow Meter	2	EA		
11	2" Flow Meter	1	EA		
12	150 kW Generator	1	EA		
13	Backwash Tank w/ Pump	1	EA		
14	10' Dia. X 39' Multicell Filter Unit (or 3 Filter Units)	1	EA		
15	Pump Systems/Controls/SCADA	1	EA		
16	Filter Surface Wash Pump	3	EA		
17	Pneumatic Control Valves	6	EA		
18	Flow Control Valves	3	EA		
19	Relocation of Chemical Feed System, VFD and Electrical Panel	2	EA		
20	Chemical Control Panel	1	EA		
21	Chemical Tank	2	EA		
22	Chemical Building	1	EA		
23	Treatment Control Building	1	EA		
24	Well Head Building	1	EA		
25	Generator Building	1	EA		
26	3 110V Duplex Receptacles, Electrical Connection to PGE Power, Transformers and Panels, all electrical work to connect to SCADA and operate well site	1	Job		
Paving and Site Work					
27	10" (AB) Base, Class 2	6,600	SF		
28	18" Reinforced PCC	670	SF		
29	Trench Repair	20	LF		
30	Chain Link Fence	330	LF		

31	Man Gate	1	EA		
32	Vehicle Gate	1	EA		
33	4" Backwash Line	140	LF		

WELL NO. 6A TOTAL BID COST: $_____

Well No. 4

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	BID COST
Treatment System					
1	Add VFD Unit to Pumping plant and integrate into well operations systems	1	EA		

WELL NO. 4 TOTAL BID COST: _____

Abandonment of Wells

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	BID COST
Treatment System					
1	Abandon City Wells No. 2 (440' deep), 3(440' deep) & 6 (440' deep) and Walnut Ranch Wells 1&2 (450' deep) pursuant to Colusa County Env. Health Dept Standards.	5	EA		

ABANDONMENT OF WELLS TOTAL BID COST: $_____

TOTAL CONTRACT BID:

WELLS: 9, 5, 6, 4 & ABANDONMENT OF WELLS TOTAL BID COST:

$_____