

DRAFT**BID FORM**

**Navajo Gallup Water Supply Project
Reaches 26.1 & 26.2**

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ARTICLE 1 – NECA’S REPRESENTATIONS

1.01 In submitting this Bid, NECA represents that:

- A. NECA has examined and carefully studied the Contract Documents, Drawings, and Technical Specification.
- A. NECA has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- B. NECA is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
- C. NECA has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Technical Specifications, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.
- D. NECA has considered the information known to NECA itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and any Site-related reports and drawings identified in the Contract Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the

Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by NECA ; and (3) NECA's safety precautions and programs.

- E. NECA agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Contract Documents.
- F. NECA is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.
- G. NECA has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that NECA has discovered in the Contract Documents, and confirms that the written resolution thereof by Engineer is acceptable to NECA .
- H. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- I. The submission of this Bid constitutes an incontrovertible representation by NECA that NECA has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Contract Documents.

ARTICLE 2 – BASIS OF BID

- 2.01 NECA will complete the Work in accordance with the Contract Documents for the following price(s):

BID**REACHES 26.1 & 26.2****Note: Tax not included.**

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
General and Miscellaneous					
1	Mobilization (75%) / demobilization (25%).	LS	1		
2	Testing allowance, (reimbursable lab fees only, incl. compaction, concrete, materials, water quality. Excludes bacteriological lab test fees.).	Allow.	1	\$500,000.00	\$500,000.00
3	Traffic control, per county and BIA requirements.	LS	1		
Erosion and Storm Water Controls					
4	Wire-caged riprap (item includes rock, wire cage, geotextile, and staking) or cable concrete final quantities, dimensions and locations TBD in field, CIP.	SY	416		
5	Uncaged riprap and rock check dams, final quantities, dimensions and locations TBD in field, CIP	CY	242		
6	Re-seeding of waterline ROW and TCE, CIP.	LF	97,014		
7	Re-seeding of sites, CIP	LS	1		
8	SWPPP pursuant to NPDES stormwater program and consistent with USEPA's general construction permit. Includes preparation of document, implementation of all BMPs required by SWPPP, filing of all notices and inspections required by EPA, etc.	LS	1		
Water Mainline					
9	12-inch PVC DR 18 C900 Pipeline, with appurtenances (incl. all fittings, adaptors and anchors not separately listed), includes fusible or bell and spigot joint as indicated on plans and specifications, CIP.	LF	14,077		

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
10	10-inch PVC DR 18 C900 Pipeline, with appurtenances (incl. all fittings, adaptors and anchors not separately listed), includes fusible or bell and spigot joint as indicated on plans and specifications, CIP.	LF	38,171		
11	10-inch PVC DR 14 C900 Pipeline, with appurtenances (incl. all fittings, adaptors and anchors not separately listed), includes fusible or bell and spigot joint as indicated on plans and specifications, CIP.	LF	43,986		
12	Flushing, disinfection and bacteriological testing, CIP.	LF	97,014		
13	Hydrostatic testing of main pipeline, CIP	LF	97,014		
14	Rock removal and processed / imported backfill material (excludes placement and compaction of backfill, embedment, or soil cement, which are incidental to pipe bid items), CIP.	VLF	35,000		
Water Valve Assemblies					
15	12-inch Gate valve assembly, CIP.	EA	5		
16	10-inch Gate valve assembly, CIP.	EA	12		
17	8-inch Gate valve assembly, CIP.	EA	13		
18	10-inch Ball valve assembly with 4" by-pass, CIP.	EA	10		
19	4-inch Flush valve assembly with wash outfall, (incl. main line tap, markers, ball valve assembly, orifice plate assembly, clean out assembly, meter can assembly, 20 LF steel pipe, rubber check valve, and other components not separately listed), CIP.	EA	4		
20	2-inch Flush valve assembly with above grade discharge, (incl. main line tap, markers, ball valve assembly, valve box assembly, and other components not separately listed), CIP.	EA	5		
21	4-inch Flush valve PVC drain line, CIP.	LF	540		
22	2-inch Vacuum breaker with 1-inch air release valve assembly with vault, CIP	EA	71		

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
23	Future Reach 26.3 stub-out including tee, 10-inch PVC pipe with appurtenances (incl. all fittings and adaptors not separately listed), CIP. Excludes gate valve.	LS	1		
Cathodic Protection					
	Cathodic protection of flush valve assemblies, CIP.	EA	4		
25	Cathodic protection of main line gate and ball valve assemblies, CIP.	EA	2		
26	Cathodic protection of 18-inch steel road casing, CIP	EA	2		
Road, Wash & Utility Crossings					
27	Open cut cased road crossings, incl. 24-inch dia. 0.375 wall steel casing and end seals, CIP. Excludes carrier pipe.	LF	260		
28	Bore and jack road crossing, incl. 24-inch dia. 0.375 wall steel casing and end seals, CIP. Excludes carrier pipe.	LF	150		
29	Open cut cased road crossings, incl. 18-inch dia. 0.375 wall steel casing and end seals, CIP. Excludes carrier pipe.	LF	290		
30	Bore and jack road crossing, incl. 18-inch dia. 0.375 wall steel casing and end seals, CIP. Excludes carrier pipe.	LF	150		
31	Open cut cased road crossing for Control Valve vault relief drainage, incl. 12-inch dia. 0.375 wall steel casing and end seals, CIP. Excludes carrier pipe.	LF	30		
32	Gas/petroleum line crossing, incl. 18-inch dia. PVC DR18 C905 casing, with petroleum-resistant gaskets and end seals, location and exposure of gas lines per gas company requirements, CIP. Covers all collocated petroleum lines. Excludes carrier pipe.	LF	450		
33	Horizontal Directional Drilling at wash crossing, including 10-inch PVC DR 14 C900 and all activities for construction, CIP.	LF	780		

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
Surge Tank and Site Work					
34	Pre-fabricated surge tank building, incl. doors, hardware, floor drains, foundation, tie-ins, and all other structural elements not separately listed, CIP.	LS	1		
35	198 Gallon surge tank incl. all piping, fittings, and appurtenances not separately listed, CIP.	LS	1		
36	Surge tank building piping, (including risers, fittings, valves, gauges, and other wetted components within building), CIP.	LS	1		
37	Surge tank site piping, (incl. all pipe, drains, appurtenances, and fittings within the surge tank site ROW not separately listed), CIP. Excludes flush valves, gate valves, and 12-inch main line beyond the tee.	LS	1		
38	Concrete walkways, and all other site concrete work not separately listed, CIP.	LS	1		
39	Site earthwork and grading for sub-foundations and driveways, incl. all earthwork and imported fill material, and material removal within the ROW for the surge tank not separately listed, per plans, specifications and geotechnical report, CIP. Excludes surfacing material and riprap.	LS	1		
Control Valve Vault and Site Work					
40	Prefabricated Control Valve Vault (incl. prefab concrete vault, access hatch, hardware, fittings, valves, 8" control valve, 6" pressure relief valve, gauges, and other components within vault), CIP.	LS	1		
41	Control Valve Vault site piping (incl. 6-inch sump and relief valve drain piping and outfalls beyond vault site fencing, and appurtenances, and fittings within the control valve vault site not separately listed), CIP. Excludes 10-inch main line within site.	LS	1		

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
42	Site earthwork and grading for sub-foundations and driveways, (incl. all earthwork and imported fill material, and material removal within the ROW for the control valve vault not separately listed, per plans, and specifications), CIP. Excludes surfacing material and riprap.	LS	1		
43	Solar Panel Concrete Pad Foundation (incl. concrete, rebar, earthwork, and all other structural elements), CIP.	LS	1		
Pueblo Pintado Tank and Site Work					
44	175,000 gallon water storage tank and cathodic protection system, welded steel with impressed current CP per Sections 33 16 19, 09 97 14 and 26 42 10, including installation, energizing, adjusting, and testing, CIP.	EA	2		
45	Tank foundation for 175,000 gallon welded steel tank, CIP.	EA	2		
46	Disinfection, filling, and bacteriological testing of new 175,000 gallon tank, CIP.	EA	2		
47	Demolition and removal of existing Pueblo Pintado tank and site, incl. existing foundation, piping, valving, and appurtenances, CIP.	LS	1		
48	Site earthwork and grading for sub-foundation, pads and driveways, site cable barriers, boulders, berms (incl. all earthwork and imported fill material within the ROW for the new and existing tanks not separately listed, per plans, specifications and geotechnical report), CIP. Excludes surfacing material and riprap.	LS	1		
49	Pueblo Pintado site piping, (incl. all new pipe, drain lines and outfalls, appurtenances, fittings, and all other plumbing components within the Pueblo Pintado site and drain line ROWs not separately listed), CIP. Excludes gate valves, air valves, and 10-inch main line.	LS	1		

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
50	Pressure Transducer vault, (incl. precast concrete manhole, manhole cover, pipe, valves, pressure gauge, wetted components, and all items not separately listed), CIP	LS	1		
Chlorination Facilities at Pueblo Pintado Tank Site					
51	Chlorinator building, (incl. prefab concrete bldg., doors, hardware, floor drains, sub-foundation, walkway concrete work, and all structural elements), CIP.	LS	1		
52	Chlorinator plumbing, (incl. all pipes, fittings, valves, electronic flow control valve with valve controller, pumps with appurtenances, hydropneumatic tank, gauges, and other plumbing not separately listed), CIP.	LS	1		
53	Gas chlorination equipment, (incl. gas cylinders, gas regulator, proportional flow gas control panel, injector, chain brackets, gas detector with auto-test, and all other gas-phase components not separately listed), CIP.	LS	1		
General Site Work					
54	Site surfacing with 2-inch gravel and 3-inch base course, CIP.	SY	2,546		
55	Fencing (8 ft. with 3-strand barbed wire), incl. 20' double swinging gates, CIP.	LF	950		
56	24-inch Corrugated metal culvert, incl. end sections and markers, CIP.	LF	25		
Electrical					
57	Surge tank site and building electrical (incl. meter pole and socket, power to surge tank building, primary conduit, grounding main disconnect, breakers, lightning protection, grounding, alarm system, solenoid system, control wiring, pressure transducers, lighting, TVSS, HVAC, and all other electrical equipment not separately listed), CIP. Excludes primary pole, primary conductor, transformer and meter provided by utility.	LS	1		

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
58	SCADA equipment for Surge Tank site, including radio, RTU/PLC, antenna, antenna mast, and all other SCADA equipment not separately listed, CIP.	LS	1		
59	Control Valve Vault site electrical (incl. electrical rack, grounding, wiring, conduits, lightning protection, and all other electrical equipment not separately listed), CIP.	LS	1		
60	Solar Power System for Control Valve vault (Skid mounted unit incl. solar panels, battery bank, enclosure, electrical system, wire, conduit, grounding, and all other solar power equipment not separately listed), CIP.	LS	1		
61	SCADA equipment for Control Valve Vault site, including radio, RTU/PLC, rack, antenna, antenna mast, and all other SCADA equipment not separately listed, CIP	LS	1		
62	Pueblo Pintado tank site electrical (incl. meter pole and socket, power supply, grounding, wiring, and all other electrical equipment not separately listed), CIP. Excludes primary pole, primary conductor, and meter.	LS	1		
63	Chlorination building electrical, (incl. gas cylinder scales with digital display, disconnect, breakers, lightning protection, TVSS, electronic meters, transducers, motors, panels, transformers, controls, wiring, lighting, HVAC, grounding, and all other electrical equipment not separately listed), CIP.	LS	1		
64	Pressure Transducer vault electrical, (incl. pressure transducer, all electrical appurtenances, grounding, and wiring), CIP.	EA	1		
65	SCADA equipment for Pueblo Pintado tank site, including radio, RTU/PLC, antenna, antenna mast, and all other SCADA equipment not separately listed, CIP	LS	1		

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
66	SCADA programming allowance, programming sub-contractor to be selected by Owner, CIP	Allow	1	\$15,000.00	\$15,000.00

TOTAL BASE BID: \$ _____
Tax not included
(Including both Reaches 26.1 and 26.2)

IN WORDS: _____

BID ALTERNATES

Note: Tax not included.

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
44A	175,000 gallon water storage tank and cathodic protection system, glass-fused bolted steel with passive anode CP per Section 33 16 21, including installation, energizing, adjusting, and testing, CIP.	EA	2		
45A	Tank foundation for 175,000 gallon glass-fused bolted steel tank, CIP.	EA	2		

TOTAL OF BID WITH BID ALTERNATES: \$ _____
Tax not included
(Including Base Bid total, substituting Bid Alternate items 44A & 45A for Base Bid)

IN WORDS: _____

NECA acknowledges that (1) each Bid Unit Price includes an amount considered by NECA to be adequate to cover NECA's overhead and profit for each separately identified item, and (2) estimated quantities are not guaranteed, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.