

# Kern Fan Groundwater Storage Project

RESPONSE TO DEC REVIEW FINDINGS

## Exhibit F: Superior Well Equipping Bid Summary

July 1, 2020



Envelope  
"A"

**PROPOSAL BIDDING SCHEDULE**  
**2014 DROUGHT RELIEF PROJECT**  
**EQUIPPING OF BANKING AND RECOVERY WELLS**  
**SUPERIOR WELLS 1, 2, 4, 5 AND 6**

**Bid Schedule A-1, B-1, and C-1**

All Items Furnished and Installed

The following Bid Schedule lists the items necessary to complete the Work. Bidder shall complete the schedule including the unit and total price of each item, including applicable sales and other taxes. If the total cost of any item or the total Base Bid is inconsistent with the unit cost, the unit cost shall prevail. If the dimensions of the specific portion of the work are revised, and the revisions result in an increase or decrease in the estimated quantity of the portion of the work, the final quantity for payment will be revised in the amount represented by the changes in the dimensions. If the specific portion of the work is eliminated, the final pay quantity designated for the specific portion of the work will be eliminated. All costs for completing the Work described in the Contract documents and on the plans shall be included in the bid items listed below. Bids will be compared in the manner described in the Contract Documents. Contractor shall include all costs to accomplish the project including (but not limited to): mobilization/demobilization, develop water supply, materials, equipment, labor, overhead, profit, taxes, delivery charges, permits etc.

**SCHEDULE "A-1" (Base Contract)**

Item No.	Description	Estimated Quantity	Unit	Unit Price	Amount
1	Mobilization (shall not to exceed 10% of base bid)	1	LS	\$ <u>170,000</u>	\$ <u>170,000.</u>
2	Demobilization and Cleanup	1	LS	\$ <u>19,225</u>	\$ <u>19,225</u>
3	Develop and Provide Water Supply	1	LS	\$ <u>22,800</u>	\$ <u>22,800.</u>
4	Environmental Compliance and Permitting	1	LS	\$ <u>31,600</u>	\$ <u>31,600.</u>



Item No.	Description	Estimated Quantity	Unit	Unit Price	Amount
5	Prepare, Maintain, and Restore Access Routes	1	LS	\$ <u>22,300</u>	\$ <u>22,300</u>
6	Site Grading and Furnish and Install 4-inch layer of ¾-inch Class 2 Aggregate Base	36,500	SF	\$ <u>1.40</u>	\$ <u>51,100</u>
7	Furnish and Install 6-foot Tall Chain-link Fencing and Gates	1	LS	\$ <u>47,500</u>	\$ <u>47,500</u>
8	Furnish and Install 12-foot x 12-foot Well Enclosure Concrete Foundation	5	EA	\$ <u>5,200</u>	\$ <u>26,000</u>
9	Furnish and Install 5-foot x 5-foot Pump Pedestal Concrete Foundation	5	EA	\$ <u>13,500</u>	\$ <u>67,500</u>
10	Furnish and Install 500 HP RVSS Well Pumping Unit with TEFC Electric Motor (SUP-1)	1	EA	\$ <u>231,000</u>	\$ <u>231,000</u>
11	Furnish and Install 400 HP RVSS Vertical Turbine Well Pumping Unit with TEFC Electric Motor (SUP-2)	1	EA	\$ <u>220,000</u>	\$ <u>220,000</u>
12	Furnish and Install 400 HP RVSS Vertical Turbine Well Pumping Unit with TEFC Electric Motor (SUP-4)	1	EA	\$ <u>203,000</u>	\$ <u>203,000</u>
13	Furnish and Install 400 HP RVSS Vertical Turbine Well Pumping Unit with TEFC Electric Motor (SUP-5)	1	EA	\$ <u>210,000</u>	\$ <u>210,000</u>
14	Furnish and Install 400 HP RVSS Vertical Turbine Well Pumping Unit with TEFC Electric Motor (SUP-6)	1	EA	\$ <u>213,500</u>	\$ <u>213,500</u>
15	Well Pump Factory Testing	5	EA	\$ <u>4,000</u>	\$ <u>20,000</u>
16	Well Pump Field Testing	5	EA	\$ <u>4,300</u>	\$ <u>21,500</u>

Proposal Bidding Schedule 2 of 8

2014 Drought Relief Project  
 Equipping of Banking and Recovery Wells  
 Superior Wells 1, 2, 4, 5 and 6.

June 2017  
 Proposal Bidding Schedule A-1, B-1, and C-1



Rosedale-Rio Bravo WSD

Item No.	Description	Estimated Quantity	Unit	Unit Price	Amount
17	Furnish and Install 12-inch Steel (Sch 40) Discharge Piping Assembly, complete with Isolation Valves, Flowmeter, Air Valves, Pressure Relief Valves, Couplings, Pipe Supports, Thrust Blocks, Concrete Pads, Connection to Existing Pipeline, Flushing, Pressure Testing, and all other Appurtenances at each Well Site	5	EA	\$ <u>48,000</u>	\$ <u>240,000</u> -
18	Furnish and Install Electrical Panel Shade Structure and Concrete Foundation	5	EA	\$ <u>22,500</u>	\$ <u>112,500</u> -
19	Furnish and Install Electrical Panel Security Structure	5	EA	\$ <u>8,000</u> -	\$ <u>40,000</u> -
20	Furnish and Install Well Enclosure	5	EA	\$ <u>20,000</u>	\$ <u>100,000</u> -
21	Furnish and Install 500-feet of Primary Trenching per PG&E Design Requirements.	5	EA	\$ <u>30,800</u>	\$ <u>154,000</u> <del>\$ 154,000</del> RCB
22	Furnish and Install Transformer Pad, Bollards, Secondary Service, and Grounding per PG&E Design Requirements	5	EA	\$ <u>20,400</u>	\$ <u>102,000</u>
23	Furnish and Install Switchboard, MCC with RVSS Starter, RTU Panel, including Wiring, Controls, and all other Electrical Appurtenances	5	EA	\$ <u>138,000</u>	\$ <u>690,000</u> -
24	Furnish and Install Conduits, Cables, Grounding System, Terminations, and all other Electrical Appurtenances	5	EA	\$ <u>40,000</u>	\$ <u>200,000</u> -
25	Furnish and Install Field Instrumentation and Appurtenances	5	EA	\$ <u>25,000</u>	\$ <u>125,000</u>

Proposal Bidding Schedule 3 of 8

2014 Drought Relief Project  
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Superior Wells 1, 2, 4, 5 and 6.

June 2017  
Proposal Bidding Schedule A-1, B-1, and C-1



Rosedale-Rio Bravo WSD

Item No.	Description	Estimated Quantity	Unit	Unit Price	Amount
26	Furnish and Install CCTV Security System	5	EA	\$ <u>3400</u>	\$ <u>17000</u>
27	Provide RTU Programming, Electrical Startup, Electrical Testing, Operation and Maintenance Manuals, and Final Record Drawings	5	EA	\$ <u>25000</u>	\$ <u>125000</u>
28	Furnish and Install Poles, Flood Lights with Motion Sensors, and Security Motion Sensors	5	EA	\$ <u>22600</u>	\$ <u>113000</u>
29	Furnish and Install Pole Mounted Radio Antenna, and Security System Beacon	5	EA	\$ <u>4000</u>	\$ <u>20,000</u>

**TOTAL BASE BID AMOUNT FOR SCHEDULE "A-1" (Base Contract)**  
(Item No. 1 through Item No. 29)

Base Bid Total Price      \$ 3,615,525

Proposal Bidding Schedule 4 of 8

2014 Drought Relief Project  
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June 2017  
Proposal Bidding Schedule A-1, B-1, and C-1



SCHEDULE "B-1" (Alternative Bid Items)

Item No.	Description	Estimated Quantity	Unit	Unit Price	Amount
30	Furnish and Install Switchboard, MCC with VFD Starter (Toshiba Plus Pack), and RTU Panel, including Wiring, Controls, and all other Electrical Appurtenances in lieu of RVSS	5	EA	\$ <u>178,000</u>	\$ <u>890,000</u>
31	Furnish and Install Switchboard, MCC with VFD Starter (Yaskawa iQPUMP1000 Configured), and RTU Panel, including Wiring, Controls, and all other Electrical Appurtenances in lieu of RVSS	5	EA	\$ <u>208,000</u>	\$ <u>1,040,000</u>
32	Well Pump Factory Testing (Non-Witnessed with Factory Calibrated Motor in lieu of Witnessed with Actual Job Motor)	5	EA	\$ <u>2215.-</u>	\$ <u>11,075.-</u>
33	Well Pump Factory Testing (Disassembly of Pump Following Factory Testing Not Required)	5	EA	\$ <u>3,900</u>	\$ <u>19,500.-</u>
34	Well Pump Field Testing (Field Vibration Testing Not Required)	5	EA	\$ <u>1,100.-</u>	\$ <u>5,500.-</u>
35	Furnish and Install 500 HP RVSS Well Pumping Unit with TEFC Electric Motor (SUP-1, Cast Head in lieu of Fabricated Head for Column Depth Less than 600 feet)	1	EA	\$ <u>221,000</u>	\$ <u>221,000.-</u>
36	Furnish and Install 400 HP RVSS Well Pumping Unit with TEFC Electric Motor (SUP-4, Cast Head in lieu of Fabricated Head for Column Depth Less than 600 feet)	1	EA	\$ <u>193,000</u>	\$ <u>193,000.-</u>

Proposal Bidding Schedule 5 of 8

2014 Drought Relief Project  
 Equipping of Banking and Recovery Wells  
 Superior Wells 1, 2, 4, 5 and 6.

June 2017  
 Proposal Bidding Schedule A-1, B-1, and C-1



Item No.	Description	Estimated Quantity	Unit	Unit Price	Amount
37	Furnish and Install 400 HP RVSS Well Pumping Unit with TEFC Electric Motor (SUP-5, Cast Head in lieu of Fabricated Head for Column Depth Less than 600 feet)	1	EA	\$ <u>198,000</u>	\$ <u>198,000</u>
38	Furnish and Install 500 HP RVSS Well Pumping Unit with TEFC Electric Motor (SUP-1, Schedule 30 column pipe in lieu of Schedule 40)	1	EA	\$ <u>210,000</u>	\$ <u>210,000</u>
39	Furnish and Install 400 HP RVSS Vertical Turbine Well Pumping Unit with TEFC Electric Motor (SUP-2, Schedule 30 column pipe in lieu of Schedule 40)	1	EA	\$ <u>198,000</u>	\$ <u>198,000</u>
40	Furnish and Install 400 HP RVSS Vertical Turbine Well Pumping Unit with TEFC Electric Motor (SUP-4, Schedule 30 column pipe in lieu of Schedule 40)	1	EA	\$ <u>183,000</u>	\$ <u>183,000</u>
41	Furnish and Install 400 HP RVSS Vertical Turbine Well Pumping Unit with TEFC Electric Motor (SUP-5, Schedule 30 column pipe in lieu of Schedule 40)	1	EA	\$ <u>187,300</u>	\$ <u>187,300</u>
42	Furnish and Install 400 HP RVSS Vertical Turbine Well Pumping Unit with TEFC Electric Motor (SUP-6, Schedule 30 column pipe in lieu of Schedule 40)	1	EA	\$ <u>192,000</u>	\$ <u>192,000</u>
43	Furnish and Install 500 HP RVSS Well Pumping Unit with WPI (in lieu of TEFC) Electric Motor (SUP-1)	1	EA	\$ <u>199,000</u>	\$ <u>199,000</u>

Proposal Bidding Schedule 6 of 8

2014 Drought Relief Project  
 Equipping of Banking and Recovery Wells  
 Superior Wells 1, 2, 4, 5 and 6.

June 2017  
 Proposal Bidding Schedule A-1, B-1, and C-1

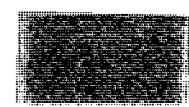


Item No.	Description	Estimated Quantity	Unit	Unit Price	Amount
44	Furnish and Install 400 HP RVSS Vertical Turbine Well Pumping Unit with WPI (in lieu of TEFC) Electric Motor (SUP-2)	1	EA	\$ <u>199,000</u>	\$ <u>199,000</u> -
45	Furnish and Install 400 HP RVSS Vertical Turbine Well Pumping Unit with WPI (in lieu of TEFC) Electric Motor (SUP-4)	1	EA	\$ <u>180,500</u>	\$ <u>180,500</u> -
46	Furnish and Install 400 HP RVSS Vertical Turbine Well Pumping Unit with WPI (in lieu of TEFC) Electric Motor (SUP-5)	1	EA	\$ <u>185,000</u>	\$ <u>185,000</u> -
47	Furnish and Install 400 HP RVSS Vertical Turbine Well Pumping Unit with WPI (in lieu of TEFC) Electric Motor (SUP-6)	1	EA	\$ <u>192,000</u>	\$ <u>192,000</u> -
48	Furnish and Install 500 HP RVSS Well Pumping Unit (Floway, Peerless, or Fairbanks-Nijhuis in lieu of Flowserve or Xylem-Goulds) with TEFC Electric Motor (SUP-1)	1	EA	\$ <u>252,000</u>	\$ <u>252,000</u> -
49	Furnish and Install 400 HP RVSS Vertical Turbine Well Pumping Unit (Floway, Peerless, or Fairbanks-Nijhuis in lieu of Flowserve or Xylem-Goulds) with TEFC Electric Motor (SUP-2)	1	EA	\$ <u>247,000</u>	\$ <u>247,000</u> -
50	Furnish and Install 400 HP RVSS Vertical Turbine Well Pumping Unit (Floway, Peerless, or Fairbanks-Nijhuis in lieu of Flowserve or Xylem-Goulds) with TEFC Electric Motor (SUP-4)	1	EA	\$ <u>229,000</u>	\$ <u>229,000</u> -

Proposal Bidding Schedule 7 of 8

2014 Drought Relief Project  
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June 2017  
 Proposal Bidding Schedule A-1, B-1, and C-1





Item No.	Description	Estimated Quantity	Unit	Unit Price	Amount
51	Furnish and Install 400 HP RVSS Vertical Turbine Well Pumping Unit (Floway, Peerless, or Fairbanks-Nijhuis in lieu of Flowserve or Xylem-Goulds) with TEFC Electric Motor (SUP-5)	1	EA	\$ <u>236,000</u>	\$ <u>236,000</u>
52	Furnish and Install 400 HP RVSS Vertical Turbine Well Pumping Unit (Floway, Peerless, or Fairbanks-Nijhuis in lieu of Flowserve or Xylem-Goulds) with TEFC Electric Motor (SUP-6)	1	EA	\$ <u>245,000</u>	\$ <u>245,000</u>
53	Furnish and Install 12-inch Steel (Schedule 30 in lieu of Schedule 40) Discharge Piping Assembly, complete with Isolation Valves, Flowmeter, Air Valves, Pressure Relief Valves, Couplings, Pipe Supports, Thrust Blocks, Connection to Existing Pipeline, Flushing, and Pressure, and all other Appurtenances at each Well Site	5	EA	\$ <u>48,000</u>	\$ <u>240,000</u>

**SCHEDULE "C-1" (Adds/Deducts (Not Included In Bid Totals))**

Item No.	Description	Estimated Quantity	Unit	Unit Price	Amount
54	Addition or Deduction for Electric Utility Primary Trench Linear Foot Cost (for adjustment from 500' in Schedule A-1, line 21)	N/A	Per/ Ft	\$ <u>24.23</u>	

Bid Submitted by (Four-digit Contractor Identification Number) 8 - 7 - 2 - 4

Date 6/26/17

Proposal Bidding Schedule 8 of 8

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Proposal Bidding Schedule A-1, B-1, and C-1

