

WQCF North Plant Aeration Basin Efficiency Improvements

Engineers Estimate \$2,800,000

June 12, 2014

C. OVERRA & CO., RICHMOND, CA

ITEM NO.	ITEM DESCRIPTION	UNIT	EXTENDED PRICE
1	Mobilization, submittals, bonds, licenses, permits, fees, and insurance (maximum of 4% of total bid amount)	LS	\$65,000.00
2	Demolition of existing blower piping, and associated blower equipment and disassembly and removal of existing blowers.	LS	\$20,000.00
3	Salvage value of the existing blowers (add or deduct)	LS	\$0.00
4	Demolition of aeration fine bubble diffusers, supports, and anchors.	LS	\$35,000.00
5	Demolition of existing MCC B, conduits, and supports in MCC room.	LS	\$2,000.00
6	Demolition of existing doors, louvers, concrete pads, and other miscellaneous items.	LS	\$1,500.00
7	Relocation of existing Pod Fine Bubble Aeration diffusers from Aeration Basin No. 5 to remaining aeration basins and installation of new diffuser membranes onto the exiting Pod diffusers.	LS	\$80,000.00
8	Purchase and installation of motorized valves for the aeration basins.	LS	\$150,000.00
9	Modifications to aeration basin drop leg piping to install air flow conditioners, air flow meters, valves, hoses, and supports.	LS	\$100,000.00
10	Modifications to existing main (10" and 12") air headers in Basins 1, 2, and 3.	LS	\$10,000.00
11	Purchase of new Pod Fine Bubble Membrane Aeration System from OTT. Pre-negotiated price with manufacturer. (Not alternate allowed).	LS	\$235,750.00
12	Tax, markup, assembly and installation of new fine bubble diffusers in all aeration basins.	LS	\$100,000.00
13	Purchase of new High Efficiency Turbo blowers, control panels, control equipment, and warranties from Neuros. Pre-negotiated price with manufacturer. (No alternate allowed).	LS	\$624,000.00
14	Tax, markup, assembly and installation of new High Efficiency Turbo blowers.	LS	\$100,000.00
15	Installation of Piping, valves, fittings, and supports in the Blower Gallery.	LS	\$25,000.00
16	Purchase and installation of new doors and hardware.	LS	\$2,000.00
17	Purchase and installation of new HVAC ducting, filters, louvers and miscellaneous HVAC equipment.	LS	\$33,000.00
18	Mechanical equipment testing and other specified tests.	LS	\$10,000.00

19	Coatings al all new equipment, piping, doors and all other miscellaneous coatings.	LS	\$20,000.00
20	Purchase and installation of MCC B.	LS	\$7,000.00
21	Installation of exposed electrical conduit and supports.	LS	\$200,000.00
22	Installation of all electrical wiring, terminations, and labeling.	LS	\$90,000.00
23	Purchase and installation of all instruments and preparation of interconnect and loop drawings.	LS	\$217,000.00
24	Installation and Testing of SCADA Programming and Coordination by MCC. Pre-negotiated price with Vendor. (No alternate allowed).	LS	\$140,540.00
25	Electrical equipment testing, wire testing, and other specified tests.	LS	\$13,000.00
26	Startup of aeration system and all other systems and owner training.	LS	\$11,000.00
27	Demobilization and project closeout.	LS	\$74,000.00
28	Miscellaneous items specified or indicated elsewhere but not listed above.	LS	\$179,229.00
29	Additional cost for providing all shoring and bracing on all bid items above including but not limited to that as required by Section 6700-6708 of the Labor Code.	LS	\$0.00
TOTAL BASE BID			\$2,545,019.00

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MOUNTAIN CASCADE INC., LIVERMORE, CA

ITEM NO.	ITEM DESCRIPTION	UNIT	EXTENDED PRICE
1	Mobilization, submittals, bonds, licenses, permits, fees, and insurance (maximum of 4% of total bid amount)	LS	\$120,000.00
2	Demolition of existing blower piping, and associated blower equipment and disassembly and removal of existing blowers.	LS	\$30,000.00
3	Salvage value of the existing blowers (add or deduct)	LS	\$10.00
4	Demolition of aeration fine bubble diffusers, supports, and anchors.	LS	\$40,000.00
5	Demolition of existing MCC B, conduits, and supports in MCC room.	LS	\$10,000.00
6	Demolition of existing doors, louvers, concrete pads, and other miscellaneous items.	LS	\$30,000.00
7	Relocation of existing Pod Fine Bubble Aeration diffusers from Aeration Basin No. 5 to remaining aeration basins and installation of new diffuser membranes onto the exiting Pod diffusers.	LS	\$25,000.00
8	Purchase and installation of motorized valves for the aeration basins.	LS	\$250,000.00
9	Modifications to aeration basin drop leg piping to install air flow conditioners, air flow meters, valves, hoses, and supports.	LS	\$275,000.00
10	Modifications to existing main (10" and 12") air headers in Basins 1, 2, and 3.	LS	\$6,000.00
11	Purchase of new Pod Fine Bubble Membrane Aeration System from OTT. Pre-negotiated price with manufacturer. (Not alternate allowed).	LS	\$235,750.00
12	Tax, markup, assembly and installation of new fine bubble diffusers in all aeration basins.	LS	\$215,000.00
13	Purchase of new High Efficiency Turbo blowers, control panels, control equipment, and warranties from Neuros. Pre-negotiated price with manufacturer. (No alternate allowed).	LS	\$624,000.00
14	Tax, markup, assembly and installation of new High Efficiency Turbo blowers.	LS	\$200,000.00
15	Installation of Piping, valves, fittings, and supports in the Blower Gallery.	LS	\$45,000.00
16	Purchase and installation of new doors and hardware.	LS	\$12,000.00
17	Purchase and installation of new HVAC ducting, filters, louvers and miscellaneous HVAC equipment.	LS	\$40,000.00
18	Mechanical equipment testing and other specified tests.	LS	\$25,000.00

19	Coatings at all new equipment, piping, doors and all other miscellaneous coatings.	LS	\$10,000.00
20	Purchase and installation of MCC B.	LS	\$90,000.00
21	Installation of exposed electrical conduit and supports.	LS	\$240,000.00
22	Installation of all electrical wiring, terminations, and labeling.	LS	\$60,000.00
23	Purchase and installation of all instruments and preparation of interconnect and loop drawings.	LS	\$220,000.00
24	Installation and Testing of SCADA Programming and Coordination by MCC. Pre-negotiated price with Vendor. (No alternate allowed).	LS	\$140,540.00
25	Electrical equipment testing, wire testing, and other specified tests.	LS	\$80,000.00
26	Startup of aeration system and all other systems and owner training.	LS	\$25,000.00
27	Demobilization and project closeout.	LS	\$20,000.00
28	Miscellaneous items specified or indicated elsewhere but not listed above.	LS	\$10,000.00
29	Additional cost for providing all shoring and bracing on all bid items above including but not limited to that as required by Section 6700-6708 of the Labor Code.	LS	\$1,000.00
TOTAL BASE BID			\$3,079,300.00

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TNT INDUSTRIAL CONTRACTORS, INC., SACRAMENTO, CA

ITEM NO.	ITEM DESCRIPTION	UNIT	EXTENDED PRICE
1	Mobilization, submittals, bonds, licenses, permits, fees, and insurance (maximum of 4% of total bid amount)	LS	\$6,738.00
2	Demolition of existing blower piping, and associated blower equipment and disassembly and removal of existing blowers.	LS	\$14,529.00
3	Salvage value of the existing blowers (add or deduct)	LS	\$0.00
4	Demolition of aeration fine bubble diffusers, supports, and anchors.	LS	\$35,997.00
5	Demolition of existing MCC B, conduits, and supports in MCC room.	LS	\$18,114.00
6	Demolition of existing doors, louvers, concrete pads, and other miscellaneous items.	LS	\$27,695.00
7	Relocation of existing Pod Fine Bubble Aeration diffusers from Aeration Basin No. 5 to remaining aeration basins and installation of new diffuser membranes onto the exiting Pod diffusers.	LS	\$6,547.00
8	Purchase and installation of motorized valves for the aeration basins.	LS	\$182,286.00
9	Modifications to aeration basin drop leg piping to install air flow conditioners, air flow meters, valves, hoses, and supports.	LS	\$66,961.00
10	Modifications to existing main (10" and 12") air headers in Basins 1, 2, and 3.	LS	\$5,652.00
11	Purchase of new Pod Fine Bubble Membrane Aeration System from OTT. Pre-negotiated price with manufacturer. (Not alternate allowed).	LS	\$235,750.00
12	Tax, markup, assembly and installation of new fine bubble diffusers in all aeration basins.	LS	\$54,707.00
13	Purchase of new High Efficiency Turbo blowers, control panels, control equipment, and warranties from Neuros. Pre-negotiated price with manufacturer. (No alternate allowed).	LS	\$624,000.00
14	Tax, markup, assembly and installation of new High Efficiency Turbo blowers.	LS	\$69,213.00
15	Installation of Piping, valves, fittings, and supports in the Blower Gallery.	LS	\$23,437.00
16	Purchase and installation of new doors and hardware.	LS	\$30,990.00
17	Purchase and installation of new HVAC ducting, filters, louvers and miscellaneous HVAC equipment.	LS	\$44,672.00
18	Mechanical equipment testing and other specified tests.	LS	\$6,413.00

19	Coatings at all new equipment, piping, doors and all other miscellaneous coatings.	LS	\$7,849.00
20	Purchase and installation of MCC B.	LS	\$99,022.00
21	Installation of exposed electrical conduit and supports.	LS	\$254,819.00
22	Installation of all electrical wiring, terminations, and labeling.	LS	\$64,002.00
23	Purchase and installation of all instruments and preparation of interconnect and loop drawings.	LS	\$247,555.00
24	Installation and Testing of SCADA Programming and Coordination by MCC. Pre-negotiated price with Vendor. (No alternate allowed).	LS	\$140,540.00
25	Electrical equipment testing, wire testing, and other specified tests.	LS	\$18,114.00
26	Startup of aeration system and all other systems and owner training.	LS	\$16,598.00
27	Demobilization and project closeout.	LS	\$5,405.00
28	Miscellaneous items specified or indicated elsewhere but not listed above.	LS	\$268,025.00
29	Additional cost for providing all shoring and bracing on all bid items above including but not limited to that as required by Section 6700-6708 of the Labor Code.	LS	\$16,000.00
TOTAL BASE BID			\$2,591,630.00