



Procurement Form (FOR)

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Contract No./Title: 2004474 UPS Maintenance Service Contract for CSO & WRRF Facilities
Date: 11/5/2021

CSOs					CRITICAL POWER SYSTEMS, LLC				PCI VETRIX, LLC			
Item Number	CSO Facility	Qty Req	U of M	Contract Term (Years)	Contract Term Cost (3 Years)	Renewal Option 1 Cost (Year 4)	Renewal Option 2 Cost (Year 5)	Total	Contract Term Cost (3 Years)	Renewal Option 1 Cost (Year 4)	Renewal Option 2 Cost (Year 5)	Total
Hubbell Southfield												
#2-1	Part 1	1	Lump Sum	3	\$ 1,680.00	\$ 580.00	\$ 595.00	\$ 2,855.00	\$ 1,027.08	\$ 352.63	\$ 363.21	\$ 1,742.92
#2-2	Part 2	1	Lump Sum	3	\$ 2,085.00	\$ 715.00	\$ 745.00	\$ 3,545.00	\$ 1,802.25	\$ 618.77	\$ 637.34	\$ 3,058.36
#2-3	Part 3	1	Lump Sum	3	\$ 3,300.00	\$ 1,155.00	\$ 1,200.00	\$ 5,655.00	\$ 4,432.32	\$ 1,521.76	\$ 1,567.42	\$ 7,521.50
7 Mile RTB (3)												
#3-1	Part 1	1	Lump Sum	3	\$ 1,680.00	\$ 580.00	\$ 595.00	\$ 2,855.00	\$ 1,027.08	\$ 352.63	\$ 363.21	\$ 1,742.92
#3-2	Part 2	1	Lump Sum	3	\$ 2,085.00	\$ 715.00	\$ 745.00	\$ 3,545.00	\$ 1,802.25	\$ 618.77	\$ 637.34	\$ 3,058.36
#3-3	Part 3	1	Lump Sum	3	\$ 1,650.00	\$ 590.00	\$ 625.00	\$ 2,865.00	\$ 2,954.88	\$ 1,014.51	\$ 1,044.94	\$ 5,014.33
Puritan Fenkell												
#4-1	Part 1	1	Lump Sum	3	\$ 1,680.00	\$ 580.00	\$ 595.00	\$ 2,855.00	\$ 1,027.08	\$ 352.63	\$ 363.21	\$ 1,742.92
#4-2	Part 2	1	Lump Sum	3	\$ 2,085.00	\$ 715.00	\$ 745.00	\$ 3,545.00	\$ 1,802.25	\$ 618.77	\$ 637.34	\$ 3,058.36
#4-3	Part 3	1	Lump Sum	3	\$ -	\$ -	\$ -	\$ -	\$ 1,477.44	\$ 507.25	\$ 522.47	\$ 2,507.17
Conner Creek (3)												
#5-1	Part 1	1	Lump Sum	3	\$ 5,550.00	\$ 1,975.00	\$ 2,025.00	\$ 9,550.00	\$ 4,450.68	\$ 1,763.15	\$ 1,452.84	\$ 7,666.67
#5-2	Part 2	1	Lump Sum	3	\$ 6,000.00	\$ 2,150.00	\$ 2,250.00	\$ 10,400.00	\$ 5,406.75	\$ 1,856.32	\$ 1,912.01	\$ 9,175.07
#5-3	Part 3	1	Lump Sum	3	\$ 14,400.00	\$ 5,050.00	\$ 5,150.00	\$ 24,600.00	\$ 19,206.72	\$ 6,594.31	\$ 6,792.14	\$ 32,593.16
#5-4	Part 4	2	Lump Sum	4	\$ -	\$ -	\$ -	\$ -	\$ 7,727.40	\$ -	\$ 3,979.61	\$ 11,707.01
Oakwood RTB (3)												
#6-1	Part 1	1	Lump Sum	3	\$ 6,300.00	\$ 2,150.00	\$ 2,250.00	\$ 10,700.00	\$ 5,477.76	\$ 2,115.78	\$ 1,816.05	\$ 9,409.59
#6-2	Part 2	1	Lump Sum	3	\$ 7,650.00	\$ 2,625.00	\$ 2,750.00	\$ 13,025.00	\$ 7,209.00	\$ 2,475.09	\$ 2,549.34	\$ 12,233.43
#6-3	Part 3	1	Lump Sum	3	\$ 4,500.00	\$ 1,575.00	\$ 1,650.00	\$ 7,725.00	\$ 1,477.44	\$ 507.25	\$ 522.47	\$ 2,507.17
#6-4	Part 4	2	Lump Sum	4	\$ -	\$ -	\$ -	\$ -	\$ 7,727.40	\$ -	\$ 3,979.61	\$ 11,707.01
Belle Isle RTB (3)												
#7-1	Part 1	1	Lump Sum	3	\$ 1,680.00	\$ 580.00	\$ 595.00	\$ 2,855.00	\$ 1,027.08	\$ 352.63	\$ 363.21	\$ 1,742.92
#7-2	Part 2	1	Lump Sum	3	\$ 2,085.00	\$ 715.00	\$ 745.00	\$ 3,545.00	\$ 1,802.25	\$ 618.77	\$ 637.34	\$ 3,058.36
#7-3	Part 3	1	Lump Sum	3	\$ 3,300.00	\$ 1,190.00	\$ 1,250.00	\$ 5,740.00	\$ 2,954.88	\$ 1,014.51	\$ 1,044.94	\$ 5,014.33



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Baby Creek SDF (3)													
#8-1	Part 1	1	Lump Sum	3		\$ 1,680.00	\$ 580.00	\$ 595.00	\$ 2,855.00	\$ 1,027.08	\$ 352.63	\$ 363.21	\$ 1,742.92
#8-2	Part 2	1	Lump Sum	3		\$ 2,085.00	\$ 715.00	\$ 745.00	\$ 3,545.00	\$ 1,802.25	\$ 618.77	\$ 637.34	\$ 3,058.36
#8-3	Part 3	1	Lump Sum	3		\$ 3,300.00	\$ 1,190.00	\$ 1,250.00	\$ 5,740.00	\$ 4,432.32	\$ 1,521.76	\$ 1,567.42	\$ 7,521.50
Leib SDF (3)													
#9-1	Part 1	1	Lump Sum	3		\$ -	\$ -	\$ -	\$ -				\$ -
#9-2	Part 2	1	Lump Sum	3		\$ -	\$ -	\$ -	\$ -				\$ -
#9-3	Part 3	1	Lump Sum	3		\$ 4,800.00	\$ 1,695.00	\$ 1,895.00	\$ 8,390.00	\$ 5,909.76	\$ 2,029.02	\$ 2,089.89	\$ 10,028.67
St. Aubin SDF (3)													
#10-1	Part 1	1	Lump Sum	3		\$ -	\$ -	\$ -	\$ -				\$ -
#10-2	Part 2	1	Lump Sum	3		\$ -	\$ -	\$ -	\$ -				\$ -
#10-3	Part 3	1	Lump Sum	3		\$ 4,800.00	\$ 1,695.00	\$ 1,895.00	\$ 8,390.00	\$ 5,909.76	\$ 2,029.02	\$ 2,089.89	\$ 10,028.67
CSO Repair Service Labor (2)													
#11-1	Hourly Services at CSO Facilities 6am-6pm	200	Hours	3		\$ 75,000.00	\$ 25,000.00	\$ 76,800.00	\$ 176,800.00	\$ 51,000.00	\$ 17,510.00	\$ 18,035.30	\$ 86,545.30
#11-2	Hourly Services at CSO Facilities 6pm-6am	100	Hours	3		\$ 56,700.00	\$ 18,900.00	\$ 19,200.00	\$ 94,800.00	\$ 29,700.00	\$ 10,197.00	\$ 10,502.91	\$ 50,399.91
Provisional													
#12-1	Provisional Allowance	\$ 80,000.00	Yearly	3		\$ 240,000.00	\$ 80,000.00	\$ 80,000.00	\$ 400,000.00	\$ 240,000.00	\$ 80,000.00	\$ 80,000.00	\$ 400,000.00
Total Cost									\$ 816,380.00				\$ 705,586.89



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WRRF Repair Service Labor (2)														
#1-1	Part 1	1	Each	3		\$ 125,400.00	\$ 43,000.00	\$ 44,199.00	\$ 212,599.00		\$ 32,866.56	\$ 12,694.71	\$ 10,896.29	\$ 56,457.56
#1-2	Part 2	1	Each	3		\$ -	\$ -	\$ -	\$ -		\$ 43,254.00	\$ 14,850.54	\$ 15,296.06	\$ 73,400.60
#1-3	Part 3	2	Each	3		\$ -	\$ -	\$ -	\$ -		\$ 62,052.48	\$ 21,304.68	\$ 21,943.83	\$ 105,300.99
#1-4	Part 4	1	Each	3		\$ -	\$ -	\$ -	\$ -		\$ 46,364.40	\$ -	\$ 23,877.67	\$ 70,242.07
#2-1	Hourly Services at CSO Facilities 6pm-6am	200	Hours	3		\$ 75,000.00	\$ 25,000.00	\$ 25,600.00	\$ 125,600.00		\$ 51,000.00	\$ 17,510.00	\$ 18,035.30	\$ 86,545.30
#2-2	Hourly Services at CSO Facilities 6pm-6am	100	Hours	4		\$ 56,700.00	\$ 18,900.00	\$ 19,200.00	\$ 94,800.00		\$ 29,700.00	\$ 10,197.00	\$ 10,502.91	\$ 50,399.91
Provisional Allowance (1)														
#12-1	Provisional Allowance	\$150,000.00	Yearly	3		\$ 450,000.00	\$150,000.00	\$150,000.00	\$ 750,000.00		\$ 450,000.00	\$150,000.00	\$150,000.00	\$ 750,000.00
Total Cost									\$ 1,182,999.00					\$ 1,192,346.43



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UPS Replacement Cost		
<u>Unit Location (as Referenced in Table-A)</u>	<u>Critical Cost</u>	<u>PCI Cost</u>
Pump Station 2---2nd Floor Electrical Room	\$ 66,985.00	\$ 68,739.98
Pickle Liquor Building, wall mounted in NEMA 4X panel	\$ 2,100.00	\$ 5,459.76
Polymer Utilization Building, wall mounted in NEMA 4X panel	\$ 2,100.00	\$ 5,459.76
Stock Rm. Next to Electrical Shop	\$ 2,100.00	\$ 5,301.39
ROS Building at Secondary Clarifier B1, inside ROS panel	\$ 3,625.00	\$ 6,619.58
ROS Building at Secondary Clarifier B8, inside ROS panel	\$ 3,625.00	\$ 6,619.58
Electrical Building EB-12, inside ROS panel	\$ 3,625.00	\$ 6,619.58
ROS Building at Secondary Clarifier B17, inside ROS panel	\$ 3,625.00	\$ 6,619.58
Sludge Thickening Complex A Control Room, inside ROS panel,	\$ 29,200.00	\$ 30,771.83
4th Floor Mechanical Room Sludge Dewatering Complex 2 for	\$ 29,200.00	\$ 30,771.83
Westphalia Centrifuges	\$ 32,550.00	\$ 29,328.38
Electrical Room #2 Basement Complex 1 Dewatering, wall	\$ 3,200.00	\$ 6,116.91
NAB Basement Room. #B3 for PCC	\$ 79,995.00	\$ 73,336.75
Scum #10	\$ 2,100.00	\$ 5,459.76
Scum #12	\$ 2,100.00	\$ 5,459.76
Scum #14	\$ 2,100.00	\$ 5,459.76
Scum #13	\$ 2,100.00	\$ 5,459.76
Scum #11	\$ 2,100.00	\$ 5,459.76
Scum #9	\$ 2,100.00	\$ 5,459.76
Scum #8	\$ 2,100.00	\$ 5,459.76
Conner Creek CSO - Electrical Room	\$ 75,558.80	\$ 31,291.65
Oakwood CSO (Emergency Lighting UPS) - Screening Room	\$ 39,585.00	\$ 48,886.34
Total UPS Replacement Cost	\$ 391,773.80	\$ 400,161.22
Total Cost	\$2,391,152.80	\$2,298,094.54