LA HABRA HEIGHTS COUNTY WATER DISTRICT

SPECIAL BOARD MEETING

DECEMBER 17, 2024

AGENDA FOR REGULAR MEETING
BOARD OF DIRECTORS
LA HABRA HEIGHTS COUNTY WATER DISTRICT
December 17, 2024 @ 4:00PM

1. **Roll call of Directors by Secretary**

2. **Notation of staff members and others present**

3. **Swearing in of Appointed Directors**

4. **Public Communications** (Comments will be limited to 3 minutes)

5. **Election of President and Vice-President for the Board of Directors**

6. **Directors Report – Individual, Subcommittees and/or Attended Events**

7. **Consent Items**: It is recommended these items be acted upon simultaneously unless separate discussion or action is requested by a member of the public or a Director.

   a. Minutes of Regular Board meeting for November 12, 2024 (approve)

   b. Financial Reports – November 2024 (approve)

8. **Approval of warrants and authorize signatures per warrant list**

9. **Report of Superintendent**

10. **Report and recommendations of General Manager:**

    a. Discuss and Action – Approve Memorandum of Understanding by and between La Habra Heights County Water District and The Water Replenishment District of Southern California regarding funding under the United States Environmental Protection Agency Community Grants Program

b. Discuss and Action – Approve RFP for Procurement of PFAS Ion Exchange Treatment System

c. Discuss and Action – Investment into Wells Fargo money market account

d. Discuss and Action – Approve increase in 2024/2025 salary schedule

e. Report on succession plan for District Treasurer

f. Report on Hazard Mitigation plan requirements

11. Closed Session

12. Adjournment

Any documents that are provided to the Board of Directors regarding items on this agenda less than 72 hours prior to this meeting will be available for public inspection at the front counter of the District office located at 1271 N. Hacienda Road, La Habra Heights, California 90631

MINUTES

MINUTES OF THE REGULAR BOARD MEETING
OF THE BOARD OF DIRECTORS
LA HABRA HEIGHTS COUNTY WATER DISTRICT
November 12, 2024

A regular meeting of the Board of Directors of La Habra Heights County Water District was held on November 12, 2024, at 4:00 p.m., at the office of the District, located at 1271 North Hacienda Road, La Habra Heights.

Item 1. Roll call of Directors by Secretary/General Manager, Joe Matthews (by telecommunication).

PRESENT: Directors Baroldi, Cooke, Crabb, McVicar, and Perumean

ABSENT: None

Item 2. Staff members and others present. Staff: Joe Matthews, Secretary/General Manager. Others present. Michael Silander, Attorney at Law.

Item 3. Public Communications – None

Item 4. Directors Report – Individual, Subcommittees, and/or Attended Events. –

Director McVicar discussed Wells Fargo money market accounts and the December Investment subcommittee meeting.

Items 5.a.b. & c. Minutes of Regular Meeting for October 22, 2024, Financial Reports August and September 2024 and Status of Investments. After discussion, there was a motion by Director McVicar and seconded by Director Perumean to approve minutes, financial reports and status of investments. The vote was as follows:

AYES: Directors Baroldi, Cooke, Crabb, McVicar, and Perumean

NOES: None

ABSENT: None

Item 6. Approval of warrants and authorized signatures per warrant list. After discussion, there was a motion made by Director McVicar and seconded by Director Baroldi that warrant numbers 47330 through 47361 in the amount of $183,269.73 and EFT transfers in the amount of $7,419.54 be approved and signatures be authorized. The vote was as follows:

AYES: Directors Baroldi, Cooke, Crabb, McVicar, and Perumean

NOES: None

ABSENT: None

Item 7. Report of Superintendent. Joe Matthews informed that a District's water main was hit by a contractor that did not follow dig alert guidelines on Hacienda frontage road and we filed a damage report with Dig Alert. Mike Silander will produce a demand letter for contractor to produce insurance information to send to the contractor, and firm that hired contractor. Ethics training for the Board will be scheduled in January. Directors will have two months to complete web-based training. Cabinets ordered for the Board room arrived damaged. Replacement order is due to arrive this week and installation will be scheduled once we verify replacements are in good condition. The Central Basin Small Water Producer's group met and agreed to work together in the future when purchasing IX media to attempt to reduce the overall costs of PFAS treatment.

Item 8.a. Discuss and Action – Investing in Wells Fargo money market account. After discussion, there was a motion by Director McVicar and seconded by Director Baroldi to investigate Wells Fargo money market accounts and report to the Investment subcommittee. The vote was as follows:

AYES: Directors Baroldi, Cooke, Crabb, McVicar, and Perumean

NOES: None

ABSENT: None

Item 8.b. Discuss and Approve – Resolution 24-12 amending the District's Employee Policies and Procedures Manual section I. Disciplinary Action.
After discussion, there was a motion by Director Perumean and seconded by Director McVicar to approve changes with minor additions by District counsel. The vote was as follows:

AYES: Directors Baroldi, Cooke, Crabb, McVicar, and Perumean

NOES: None

ABSENT: None

Item 8.c. Discuss and Approve - Memorandum of Understanding by and between La Habra Heights County Water District and the Water Replenishment District of

Southern California regarding funding under the United States Environmental Protection Agency Community Grants Program. This item was tabled for the next scheduled board meeting.

(The closed session began at 6:12 p.m. and ended at 6:15 p.m.)

CLOSED SESSION

Item 9.a. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION: In re: Aqueous Film-Forming Foams Products Liability. Case No. 2:18-mn-2873-RMG, pending in the United States District Court for the District of South Carolina, Charleston Division. Discussion of existing litigation pursuant to Government Code section 54956.9, paragraph (1) of subdivision (d). No reportable action was taken.

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Item 10. There being no further business to come before the Board, a motion was made by Director Cooke and seconded by Director McVicar that the meeting be adjourned at 6:15 p.m. The vote was as follows:

AYES: Directors Baroldi, Cooke, Crabb, McVicar, and Perumean

NOES: None

ABSENT: Director

Dated: December 17, 2024

_____
Brad Cooke, President

(SEAL)

_____
Joe Matthews, Secretary

FINANCIAL REPORT

LA HABRA HEIGHTS COUNTY WATER DISTRICT

STATEMENTS OF NET POSITION

November 30, 2023 and November 30, 2024

	2023	2024
ASSETS:		
Current Assets:		
CASH-PETTY	300.00	300.00
CASH-CHECKING	808,851.61	990,374.84
CASH-SWEEP	-	668.12
INVESTMENT-LAIF	5,489,585.96	4,016,787.12
INVESTMENT-TREASURY BILLS	-	1,040,023.43
ACCOUNTS RECEIVABLE-WATER	424,754.82	504,824.26
ACCOUNTS RECEIVABLE-OTHER	276,095.49	302,356.57
TAXES RECEIVABLE	-	-
LEASE RECEIVABLE	-	127,183.86
ACCRUED INTEREST RECEIVABLE	33,409.00	30,441.00
INVENTORY	207,068.81	222,935.43
PREPAID EXPENSES	101,484.40	150,769.03
Total Current Assets	7,341,550.09	7,386,663.66
Noncurrent Assets:		
Capital Assets:		
LAND	532,743.65	532,743.65
WATER RIGHTS	1,640,490.80	1,640,490.80
SOURCE OF SUPPLY	2,271,079.60	2,278,699.92
PUMPING PLANT	1,668,932.77	1,668,932.77
TRANSMISSION & DISTRIBUTION	26,535,449.89	26,563,079.47
GENERAL PLANT	1,648,500.03	1,663,545.78
CONSTRUCTION IN PROGRESS	216,279.69	1,832,810.62
Total Capital Assets	34,513,476.43	36,180,303.01
Accumulated Depreciation	(19,717,180.60)	(20,347,152.08)
Net Capital Assets	14,796,295.83	15,833,150.93
Other Noncurrent Assets:		
CONSTRUCTION ADVANCE RECEIVABLE	9,960.19	-
INVESTMENTS-CAL DOMESTIC WATER CO	591.00	591.00
LEASE RECEIVABLE	2,420,130.69	2,169,797.16
Total Other Noncurrent Assets	2,430,681.88	2,170,388.16
Total Assets	24,568,527.80	25,390,202.75
DEFERRED OUTFLOWS OF RESOURCES- Deferred amount from pension plan	771,900.00	853,967.00
DEFERRED OUTFLOWS OF RESOURCES- Deferred amount from OPEB	225,139.00	185,895.00
Total Deferred Outflows of Resources	997,039.00	1,039,862.00

LA HABRA HEIGHTS COUNTY WATER DISTRICT

STATEMENTS OF NET POSITION

November 30, 2023 and November 30, 2024

	2023	2024
LIABILITIES		
Current Liabilities:		
ACCOUNTS PAYABLE	320,885.27	517,558.28
CURR PORTION-LONG TERM DEBT	61,359.75	-
ACCRUED INTEREST-CONTRACT PAYABLE-D/G	612.25	-
DEPOSITS-CUSTOMERS	5,750.00	3,000.00
DEPOSITS-CONSTRUCTION	40,579.82	14,000.00
ACCRUED PROPERTY TAXES	-	-
ACCRUED PAYROLL	-	-
ACCRUED EMPLOYEE BENEFITS	157,407.33	121,805.03
DEFERRED RENTAL INCOME	-	-
ACCRUED RETIREMENT CONTRIBUTIONS	-	-
NET OPEB OBLIGATION	1,038,484.00	1,076,358.00
NET PENSION LIABILITY	1,248,389.00	1,431,442.00
Total Current Liabilities	2,873,467.42	3,164,163.31
Total Liabilities	2,873,467.42	3,164,163.31
DEFERRED INFLOWS OF RESOURCES- Deferred amounts from pension plan	25,928.00	176,276.00
DEFERRED INFLOWS OF RESOURCES- Deferred amounts from OPEB	1,014,037.00	914,390.00
DEFERRED INFLOWS OF RESOURCES- Deferred amounts from Leases	2,366,451.69	2,244,591.21
Total Deferred Inflows of Resources	3,406,416.69	3,335,257.21
Net Position:		
INVESTED IN CAPITAL ASSETS,NET RELATED DEBT	14,734,936.08	15,833,150.93
UNRESTRICTED	4,540,786.42	4,097,493.30
RESTRICTED	9,960.19	-
Total Net Position	19,285,682.69	19,930,644.23

LA HABRA HEIGHTS COUNTY WATER DISTRICT

STATEMENTS OF REVENUE, EXPENSES AND CHANGES IN NET POSITION

For Five Months Ending November 30, 2023 and November 30, 2024

	Last Year Current Month Actual	Current Month Actual	Last Year YTD Actual	Current YTD Actual	Current Budget	Actual 11/30/2024 % of budget 2024/25
	11/30/2023	11/30/2024	11/30/2023	11/30/2024	2024/25	42%
Operating Revenue:	435,553.35	478,888.87	2,355,605.02	2,652,624.57	5,871,412.00	45%
Operating Expenses:						
Source of Supply	137,328.10	169,404.51	872,385.74	1,022,692.65	2,145,853.00	48%
Pumping	10,162.56	6,772.93	35,838.04	43,160.08	133,523.00	32%
Treatment	5,510.33	10,781.12	25,658.71	35,263.43	77,146.00	46%
Transmission & Distribution	24,106.04	43,008.38	285,592.69	194,052.98	723,007.00	27%
Customer Accounts	8,245.68	11,768.77	125,676.71	80,428.82	199,040.00	40%
Administrative and General	118,058.59	119,979.19	721,677.81	786,380.34	1,851,365.00	43%
Capital Improvements	126,340.58	154,511.75	631,702.90	772,558.75	1,854,141.00	42%
Other	7,133.36	7,064.44	40,147.08	38,231.37	94,089.00	41%
TOTAL OPERATING EXPENSES	436,885.24	523,291.09	2,738,679.68	2,972,768.42	7,078,164.00	42%
OPERATING INCOME (LOSS)	(1,331.89)	(44,402.22)	(383,074.66)	(320,143.85)	(1,206,752.00)	27%
Non-Operating Revenues	45,438.36	44,163.04	160,291.97	213,900.44	1,351,095.00	16%
Non-Operating Expenses	1,422.45	1,000.00	2,912.25	2,100.00	14,424.00	15%
NET NON-OPERATING REVENUES (EXPENSES)	44,015.91	43,163.04	157,379.72	211,800.44	1,336,671.00	16%
NET INCOME (LOSS) BEFORE CAPITAL CONTRIBUTIONS	42,684.02	(1,239.18)	(225,694.94)	(108,343.41)	129,919.00	-83%
SYSTEM BUY IN FEE			36,165.00	36,166.00		
CAPITAL CONTRIBUTIONS			4,242.90	15,906.21		
NET INCOME (LOSS) IN NET POSITION			(185,287.04)	(56,271.20)		
NET POSITION-BEGINNING OF YEAR			19,470,969.73	19,986,915.43		
NET POSITION-END OF PERIOD			19,285,682.69	19,930,644.23		

LA HABRA HEIGHTS COUNTY WATER DISTRICT

STATEMENTS OF REVENUE AND EXPENSES

For Five Months Ending November 30, 2023 and November 30, 2024

	Last Year Current Month Actual 11/30/2023	Current Month Actual 11/30/2024	Last Year YTD Actual 11/30/2023	Current YTD Actual 11/30/2024	Current Budget 2024/25	Actual 11/30/2024 % of budget 2024/25 42%
OPERATING REVENUES						
SALES-WATER	229,982.28	254,331.82	1,326,383.62	1,544,496.47	3,238,075.00	48%
SALES-READINESS TO SERVE	201,760.75	217,275.32	1,011,477.59	1,079,801.07	2,564,254.00	42%
SALES-MISCELLANEOUS	3,810.32	7,281.73	17,743.81	28,327.03	34,462.00	82%
LEASE-WATER RIGHTS	-	-	-	-	34,621.00	0%
TOTAL OPERATING REVENUES	435,553.35	478,888.87	2,355,605.02	2,652,624.57	5,871,412.00	45%
OPERATING EXPENSES						
PURCHASED WATER	3,309.71	4,602.82	40,463.95	24,418.26	273,803.00	9%
GROUND WATER REPLENISHMENT ASSMT	78,635.70	85,874.87	480,794.49	551,769.31	1,105,821.00	50%
POWER	55,382.69	78,926.82	351,127.30	446,505.08	766,229.00	58%
TOTAL SOURCE OF SUPPLY	137,328.10	169,404.51	872,385.74	1,022,692.65	2,145,853.00	48%
LABOR-PUMPING	5,161.56	4,028.54	23,604.87	22,491.71	63,706.00	35%
MAINTENANCE-PUMPING	5,001.00	2,744.39	12,233.17	20,668.37	69,817.00	30%
TOTAL PUMPING	10,162.56	6,772.93	35,838.04	43,160.08	133,523.00	32%
MAINT & LABOR-TREATMENT	5,510.33	10,781.12	25,658.71	35,263.43	77,146.00	46%
TOTAL TREATMENT	5,510.33	10,781.12	25,658.71	35,263.43	77,146.00	46%
LABOR-TRANS & DISTRIBUTION	24,064.78	18,382.09	113,048.48	91,728.21	254,222.00	36%
MAINT-TRANS & DISTRIBUTION	5,907.10	842.18	116,776.07	32,727.00	270,102.00	12%
JOINT FACILITIES-WELL,LM CONDUIT&RES	10,120.77	25,277.52	138,337.05	137,462.35	403,284.00	34%
ORCHARD DALE PORTION	(15,986.61)	(1,493.41)	(82,568.91)	(67,864.58)	(204,601.00)	33%
TOTAL TRANSMISSION&DISTRIBUTION	24,106.04	43,008.38	285,592.69	194,052.98	723,007.00	27%
LABOR&MAINT-CUSTOMER ACCOUNTS	8,245.68	11,373.60	125,297.43	80,033.65	195,103.00	41%
UNCOLLECTIBLE ACCOUNTS	-	395.17	379.28	395.17	3,937.00	10%
TOTAL CUSTOMER ACCOUNTS	8,245.68	11,768.77	125,676.71	80,428.82	199,040.00	40%
TOTAL OTHER OPERATING EXPENSES	48,024.61	72,331.20	472,766.15	352,905.31	1,132,716.00	31%
TOTAL SOURCE OF SUPPLY & OPERATING EXPENSES	185,352.71	241,735.71	1,345,151.89	1,375,597.96	3,278,569.00	42%
ADMINISTRATIVE & GENERAL EXPENSES						
LABOR-FIELD-SICK,VAC,HOLIDAY	10,483.57	7,115.76	31,236.22	27,300.77	75,125.00	36%
WAGES-MANAGEMENT	13,375.72	11,125.59	67,533.35	57,261.06	158,194.00	36%
WAGES-OFFICE	18,232.95	22,624.97	107,802.04	92,027.53	296,395.00	31%
WAGES-MGMT&OFFICE-SICK,VAC,HOLIDAY	8,936.48	7,123.29	29,025.66	27,857.09	98,527.00	28%
OFFICE SUPPLIES	2,785.66	470.80	11,701.82	10,212.72	45,080.00	23%
AUTO SERVICE	4,095.49	2,679.37	21,318.32	29,795.81	52,853.00	56%
BANK SERVICE CHARGE	550.96	587.11	1,926.10	2,385.22	10,527.00	23%
DUES & SUBCRIPTIONS	871.00	1,198.00	18,977.98	22,914.39	29,953.00	77%
BUILDING SERVICE	735.00	2,189.26	9,845.02	18,201.14	22,671.00	80%
OFFICE EQUIPMENT MAINT	1,680.65	651.24	10,704.64	6,941.28	39,519.00	18%
PROFESSIONAL SERVICES	4,242.45	5,289.00	48,798.86	57,745.00	114,604.00	50%
EDUCATION & MEETINGS	2,633.33	2,172.72	7,025.62	5,947.14	17,495.00	34%

LA HABRA HEIGHTS COUNTY WATER DISTRICT

STATEMENTS OF REVENUE AND EXPENSES

For Five Months Ending November 30, 2023 and November 30, 2024

	Last Year Current Month Actual 11/30/2023	Current Month Actual 11/30/2024	Last Year YTD Actual 11/30/2023	Current YTD Actual 11/30/2024	Current Budget 2024/25	Actual 11/30/2024 % of budget 2024/25 42%
LEGAL	4,412.50	-	17,925.00	19,475.00	61,594.00	32%
UTILITIES	2,560.08	6,290.34	14,683.90	37,608.33	43,622.00	86%
ENGINEERING	(194.01)	600.00	6,516.49	8,375.00	37,995.00	22%
INSUR-AUTO,LIABILITY&PROPERTY	9,101.91	12,364.88	40,671.45	55,280.24	115,065.00	48%
INSUR-GROUP HEALTH & LIFE	15,227.84	17,018.52	76,133.81	84,990.78	223,968.00	38%
EMPLOYEE WORKERS COMPENSATION	233.19	130.94	8,985.31	8,419.62	31,273.00	27%
DENTAL	970.20	514.40	5,195.00	7,142.72	10,180.00	70%
RETIREMENT-CALPERS	12,890.00	11,314.62	53,426.65	54,847.97	160,053.00	34%
RETIREMENT-DEFERRED COMP	1,730.30	1,512.78	8,341.34	8,363.65	22,088.00	38%
RETIREMENT-CALPERS UNFUND ACCR LIAB	-	-	80,813.00	108,463.00	112,090.00	97%
MAINTENANCE-GENERAL PLANT	2,503.32	7,005.60	43,090.23	34,824.88	72,494.00	48%
CAPITAL IMPROVEMENTS	126,340.58	154,511.75	631,702.90	772,558.75	1,854,141.00	42%
PROPERTY TAXES	444.73	445.69	2,221.67	2,773.04	5,547.00	50%
PAYROLL TAXES	6,688.63	6,618.75	37,925.41	35,458.33	88,542.00	40%
TOTAL ADMIN & GENERAL EXP	251,532.53	281,555.38	1,393,527.79	1,597,170.46	3,799,595.00	42%
TOTAL OPERATING EXPENSES	436,885.24	523,291.09	2,738,679.68	2,972,768.42	7,078,164.00	42%
OPERATING INCOME (LOSS)	(1,331.89)	(44,402.22)	(383,074.66)	(320,143.85)	(1,206,752.00)	27%
NONOPERATING REVENUES						
INTEREST INCOME	17,766.99	15,765.93	81,679.20	94,418.84	202,727.00	47%
PROPERTY TAX INCOME	15,538.33	16,479.39	15,538.76	54,037.40	1,004,509.00	5%
RENT INCOME	10,958.80	11,057.42	55,025.83	52,981.84	126,683.00	42%
OIL ROYALTIES	1,174.24	860.30	5,260.96	4,904.86	12,982.00	38%
MISCELLANEOUS INCOME	-	-	2,787.22	-	4,194.00	0%
GAIN ON ASSET SOLD	-	-	-	7,557.50	-	0%
TOTAL NONOPERATING REVENUES	45,438.36	44,163.04	160,291.97	213,900.44	1,351,095.00	16%
NONOPERATING EXPENSES						
INTEREST EXPENSE-D/G LOAN	122.45	-	612.25	-	-	
LOSS ON INVESTMENT	-	-	-	-	-	0%
DIRECTORS FEES	1,300.00	1,000.00	2,300.00	2,100.00	9,900.00	21%
DIRECTORS EXPENSES	-	-	-	-	4,524.00	0%
ELECTION	-	-	-	-	-	0%
TOTAL NONOPERATING EXPENSES	1,422.45	1,000.00	2,912.25	2,100.00	14,424.00	15%
NET NONOPER REVENUES(EXPENSES)	44,015.91	43,163.04	157,379.72	211,800.44	1,336,671.00	16%
NET INCOME (LOSS) IN NET POSTION	42,684.02	(1,239.18)	(225,694.94)	(108,343.41)	129,919.00	-83%

WARRANTS

La Habra Heights County Water District

AP Check Register (Current by Bank)

Check No.	Date	Status*	Vendor ID	Payee Name	Amount
BANK ID: 13100 - EFT TRANSFERS					
1002773186	11/07/24	M	0130	CALPERS	$4,955.03
1002773187	11/07/24	M	0130	CALPERS	$1,908.86
1002781251	11/20/24	M	0130	CALPERS	$4,621.52
1002781252	11/20/24	M	0130	CALPERS	$1,540.78
1002790776	12/04/24	M	0130	CALPERS	$4,969.02
1002790777	12/04/24	M	0130	CALPERS	$1,540.78
**					
				BANK 13100 REGISTER TOTAL:	**$19,535.99**
BANK ID: 13110 - CHECKING- WELLS FARGO					
47362	11/12/24	P	0116	ACWA-JPIA	$34,460.92
47362	11/13/24	V	0116	ACWA-JPIA	($34,460.92)
47363	11/12/24	P	0139	ACWA/JPIA	$108,416.95
47364	11/12/24	P	0385	ADMIRAL PEST CONTROL	$93.00
47365	11/12/24	P	0511	AKESO OCCUPATIONAL HEALTH	$35.00
47366	11/12/24	P	0353	ARCO BUSINESS SOLUTIONS	$2,296.94
47367	11/12/24	P	0013	CANNINGS HARDWARE	$46.93
47368	11/12/24	P	0441	CINTAS CORPORATION	$79.37
47369	11/12/24	P	0558	CONEXWEST	$230.42
47370	11/12/24	P	0164	EXCEL TELEMESSAGING	$140.00
47371	11/12/24	P	0389	FRONTIER COMMUNICATIONS	$103.26
47372	11/12/24	P	0124	G M SAGER CONSTRUCTION CO	$14,900.00
47373	11/12/24	P	0569	GOTO COMMUNICATIONS, INC.	$325.93
47374	11/12/24	P	0099	GRAINGER INC	$1,589.97
47375	11/12/24	P	0369	HIGHROAD INFO TECHNOLOGY	$6,237.00
47376	11/12/24	P	0153	HOME DEPOT CR SERVICES	$13,056.90
47377	11/12/24	P	0252	INFOSEND, INC	$1,540.70
47378	11/12/24	P	0447	IVAN RAMIREZ	$58.00
47379	11/12/24	P	0205	JOE MATTHEWS	$323.80
47380	11/12/24	P	0133	KONICA MINOLTA	$132.73
47381	11/12/24	P	0050	LA COUNTY TAX COLLECTOR	$20,633.39
47382	11/12/24	P	0001	LESLIE J. CONTRERAS	$225.60
47383	11/12/24	P	0051	LINCOLN FINANCIAL GROUP	$4,336.11
47384	11/12/24	P	ONETIM	MARIA E. DE LA ROSA	$22.25
47385	11/12/24	P	0430	MICHAEL SILANDER	$5,937.50
47386	11/12/24	P	0231	O'REILLY AUTO PARTS	$243.71
47387	11/12/24	P	0534	ODP BUSINESS SOLUTIONS, LLC.	$166.71
47388	11/12/24	P	0187	PLAINSITE BUSINESS SYSTEMS,INC	$583.96
47389	11/12/24	P	ONETIM	ROCIO SCOTT	$422.81
47390	11/12/24	P	0258	S&J SUPPLY CO, INC	$221.00
47391	11/12/24	P	0470	SALINAS TIRES & WHEELS	$2,446.30
47392	11/12/24	P	0068	SOUTHERN CALIF EDISON CO	$123,301.97
47393	11/12/24	P	0427	TPX COMMUNICATIONS	$3,903.23
47394	11/12/24	P	0078	UNDERGROUND SERVICE ALERT	$195.00
47395	11/12/24	P	0268	UNIVAR USA, INC	$1,965.07
47396	11/12/24	P	0562	VERIZON	$370.30
47397	11/12/24	P	0012	VULCAN MATERIALS COMPANY	$3,612.28
47398	11/12/24	P	0577	WARE DISPOSAL	$331.39
47399	11/12/24	P	0016	WATER REPLENISHMENT DISTRICT	$115,765.67
47400	11/12/24	P	0094	WECK LABORATORIES, INC	$1,863.00
47401	11/13/24	P	0116	ACWA-JPIA	$17,231.66
47402	11/13/24	P	0267	STAMPS BY MAIL	$146.00
47403	11/13/24	P	0205	JOE MATTHEWS	$99.00
47404	11/25/24	P	0013	CANNINGS HARDWARE	$78.65
47404	11/25/24	V	0013	CANNINGS HARDWARE	($78.65)

La Habra Heights County Water District

AP Check Register (Current by Bank)

Check No.	Date	Status*	Vendor ID	Payee Name	Amount
47405	11/25/24	P	0014	CENTRAL BASIN MWD	$5,923.30
47405	11/25/24	V	0014	CENTRAL BASIN MWD	($5,923.30)
47406	11/25/24	P	0432	CHARTER COMMUNICATIONS	$599.00
47406	11/25/24	V	0432	CHARTER COMMUNICATIONS	($599.00)
47407	11/25/24	P	0441	CINTAS CORPORATION	$80.19
47407	11/25/24	V	0441	CINTAS CORPORATION	($80.19)
47408	11/25/24	P	0283	CONTINENTAL UTILITY SOLUTIONS	$25.40
47408	11/25/24	V	0283	CONTINENTAL UTILITY SOLUTIONS	($25.40)
47409	11/25/24	P	0282	D&H WATER SYSTEMS	$892.71
47409	11/25/24	V	0282	D&H WATER SYSTEMS	($892.71)
47410	11/25/24	P	0464	ENVIROKLEEN USA	$650.00
47410	11/25/24	V	0464	ENVIROKLEEN USA	($650.00)
47411	11/25/24	P	0389	FRONTIER COMMUNICATIONS	$838.95
47411	11/25/24	V	0389	FRONTIER COMMUNICATIONS	($838.95)
47412	11/25/24	P	ONETIM	GLORIA McNEIL	$1,570.65
47413	11/25/24	P	0099	GRAINGER INC	$1,680.47
47414	11/25/24	P	0579	KONICA MINOLTA BUSINESS SOL.	$67.49
47415	11/25/24	P	0051	LINCOLN FINANCIAL GROUP	$4,091.66
47416	11/25/24	P	0453	MATTHEW CERDA	$66.40
47417	11/25/24	P	0503	MICHELLE SAVAGE	$187.20
47418	11/25/24	P	0534	ODP BUSINESS SOLUTIONS, LLC.	$75.63
47419	11/25/24	P	0404	ROBERT T LUITWIELER	$120.00
47420	11/25/24	P	0415	SAMUEL MUNOZ	$1,400.00
47421	11/25/24	P	0147	SAN GABRIEL VALLEY WATER CO	$79.94
47422	11/25/24	P	0069	SOCALGAS	$1.66
47423	11/25/24	P	0068	SOUTHERN CALIF EDISON CO	$2,277.70
47424	11/25/24	P	0243	TAMMY WAGSTAFF	$595.76
47425	11/25/24	P	0268	UNIVAR USA, INC	$1,776.06
47426	11/25/24	P	0577	WARE DISPOSAL	$331.13
47427	11/25/24	P	0094	WECK LABORATORIES, INC	$220.00
47428	11/25/24	P	0013	CANNINGS HARDWARE	$78.65
47429	11/25/24	P	0014	CENTRAL BASIN MWD	$5,923.30
47430	11/25/24	P	0432	CHARTER COMMUNICATIONS	$599.00
47431	11/25/24	P	0441	CINTAS CORPORATION	$80.19
47432	11/25/24	P	0283	CONTINENTAL UTILITY SOLUTIONS	$25.40
47433	11/25/24	P	0282	D&H WATER SYSTEMS	$892.71
47434	11/25/24	P	0464	ENVIROKLEEN USA	$650.00
47435	11/25/24	P	0389	FRONTIER COMMUNICATIONS	$838.95
47436	12/10/24	P	0116	ACWA-JPIA	$16,635.51
47437	12/10/24	P	0385	ADMIRAL PEST CONTROL	$93.00
47438	12/10/24	P	0565	ALERT 360	$106.08
47439	12/10/24	P	0353	ARCO BUSINESS SOLUTIONS	$1,783.46
47440	12/10/24	P	ONETIM	CALLAND ENGINEERING, INC.	$958.82
47441	12/10/24	P	0013	CANNINGS HARDWARE	$59.49
47442	12/10/24	P	0432	CHARTER COMMUNICATIONS	$599.00
47443	12/10/24	P	0441	CINTAS CORPORATION	$72.38
47444	12/10/24	P	0145	CIVILTEC ENGINEERING INC	$55,120.00
47445	12/10/24	P	0558	CONEXWEST	$230.42
47446	12/10/24	P	0283	CONTINENTAL UTILITY SOLUTIONS	$22.10
47447	12/10/24	P	0575	D.L. AUTO, INC.	$60.00
47448	12/10/24	P	0036	EPM POWER & WATER SOLUTIONS	$11,695.04
47449	12/10/24	P	0164	EXCEL TELEMESSAGING	$190.00
47450	12/10/24	P	0389	FRONTIER COMMUNICATIONS	$103.26
47451	12/10/24	P	0519	GK CONSULTING	$910.00
47452	12/10/24	P	0569	GOTO COMMUNICATIONS, INC.	$325.93
47453	12/10/24	P	0099	GRAINGER INC	$269.21
47454	12/10/24	P	0369	HIGHROAD INFO TECHNOLOGY	$6,237.00

La Habra Heights County Water District

AP Check Register (Current by Bank)

Check No.	Date	Status*	Vendor ID	Payee Name	Amount
47455	12/10/24	P	0153	HOME DEPOT CR SERVICES	$1,225.07
47456	12/10/24	P	0447	IVAN RAMIREZ	$260.80
47457	12/10/24	P	0033	J A SALAZAR CONSTRUCTION	$33,308.64
47458	12/10/24	P	0205	JOE MATTHEWS	$1,622.72
47459	12/10/24	P	0579	KONICA MINOLTA BUSINESS SOL.	$67.49
47460	12/10/24	P	0051	LINCOLN FINANCIAL GROUP	$4,132.18
47461	12/10/24	P	0231	O'REILLY AUTO PARTS	$163.50
47462	12/10/24	P	0534	ODP BUSINESS SOLUTIONS, LLC.	$92.25
47463	12/10/24	P	0245	PASO ROBLES TANK, INC	$63,889.69
47464	12/10/24	P	0474	PUENTE HILLS FORD	$545.60
47465	12/10/24	P	0258	S&J SUPPLY CO, INC	$567.04
47466	12/10/24	P	0068	SOUTHERN CALIF EDISON CO	$94,601.42
47467	12/10/24	P	0037	SWRCB	$881.00
47468	12/10/24	P	ONETIM	TIMEA BARABAS	$838.17
47469	12/10/24	P	0427	TPX COMMUNICATIONS	$3,903.23
47470	12/10/24	P	0078	UNDERGROUND SERVICE ALERT	$141.35
47471	12/10/24	P	0562	VERIZON	$507.04
47472	12/10/24	P	0386	VERIZON WIRELESS	$489.65
47473	12/10/24	P	0016	WATER REPLENISHMENT DISTRICT	$103,590.85
47474	12/10/24	P	0094	WECK LABORATORIES, INC	$535.00
				BANK 13110 REGISTER TOTAL:	**$884,094.15**
				GRAND TOTAL :	**$903,630.14**

*** Check Status Types: "P" - Printed ; "M" - Manual ; "V" - Void (Void Date); "A" - Application; "E" - EFT** Denotes broken check sequence.**

Michael Silander
Attorney at Law
2629 Townsgate Road, Suite 235
Westlake Village, CA 91361

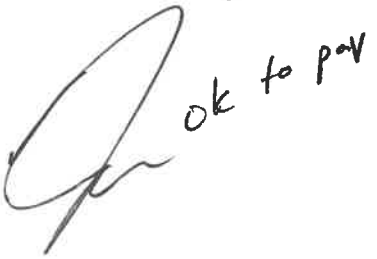
INVOICE

DATE: NOVEMBER 1, 2024

TO:
La Habra Heights County Water District
1271 Hacienda Road
La Habra Heights, CA 90631

PLEASE REMIT PAYMENT TO:
Michael Silander
2629 Townsgate Road, Suite 235
Westlake Village, CA 91361

SPECIFICATIONS:
LHHCWD/TOTAL
Invoice for legal services rendered in October 2024.



MATTER	HOURS	AMOUNT
Transactional - General	37.5	$4,687.50
Retainer	Flat fee	$1,250.00
		TOTAL: $5,937.50

Please make all checks payable to Michael Silander
If you have any questions concerning this invoice,
please email michael@silanderlaw.com or call 805-490-9247

CIVILTEC
engineering inc.

Civil, Water, Wastewater, Drainage and Transportation Engineering
Construction Management • Surveying
California • Arizona

OK to pay

November 5, 2024

La Habra Heights County Water District
1271 North Hacienda Road
La Habra Heights, CA 90631

Attention: Joe Matthews, General Manager

Subject: Engineering Activities for the Month of **October 2024**
Invoice Backup Support - Billing Period through November 1, 2024

Dear Mr. Matthews:

The La Habra Heights County Water District requires Engineering Support from ***CIVILTEC engineering, inc.*** (***Civiltec***) at times on various projects. This work is provided on a time and materials basis when requested and directed by LHHCWD management. Following is an explanation of time spent to back up the **October 2024** invoicing. The numbering system is the ***Civiltec*** project number and tracking system.

2024140.00 – General Engineering Support FY24-25. This project has been established to aid the District in general engineering inquiries, participate in meetings, hydraulic modeling and calibration and overall engineering support. The total budget for General Engineering Support has been established at $25,000.00 for each Fiscal Year. Below is an accounting of expenditures under this ***Civiltec*** job number for FY 2024-25.

There were no expenditures in October 2024. The remaining budget is $22,025.00.

2024141.00 – Engineering Fireflow Modeling FY24-25. This project has been established to aid the District with computer model simulations for fireflow requests by LHHCWD customers. Below is an accounting of expenditures under this ***Civiltec*** job number for FY 2024-25.

There were expenditures in the month of October 2024 totaling $600.00. We have set up new project numbers per fire flow simulation. We are using this main number 2024141 and have put extensions starting with .01 for the first request.

2024141.11 Fire Flow Modeling for 702 Church Hill Rd $600.00 ✓

2022169.00 – Well No. 12 Well Siting Study. LHHCWD plans to drill a new well in the Judson Well Field. The overall budget for the project is $157,770.00. There were no expenditures in October 2024. The District is currently considering the destruction of Well No. 9 and civil improvements to the Well No. 9 discharge pit. The remaining budget is $27,946.50.

2023149.00 – Reservoir 10A Rehabilitation. The Reservoir 10A project is complete and in service. PRT has completed the punch list items. The Notice of Completion has been signed by all parties. It will be recorded by November 14, 2024. The overall budget is $140,430.00. There were expenditures in the month of October 2024 totaling $791.25. The remaining budget is $2,191.25.

2024807.00 – PFAS Grant Application. LHHCWD is working with WRD to secure grant funding for a new PFAS Treatment Plant. Grace Kast is preparing the grant funding applications to WRD and assisting with the EPA grant. ***Civiltec*** staff is supporting Ms. Kast with as needed cost estimating and preparing exhibits. The budget established for the ***Civiltec*** effort is $15,915.00. There were expenditures in the month of October 2024 totaling $265.00. The remaining budget is $2,496.25.

2024814.00 – PFAS Treatment Plant Design. LHHCWD and ***Civiltec*** have executed a professional services agreement for the design of the new PFAS Treatment Plant. The design team is currently in the final stages of developing of the Basis of Design Report (BODR 30% submittal) and expect to issue as a draft for LHHCWD review by mid November. The geotechnical report has been completed and with it in hand. We plan to complete the draft RFP for LHHCWD, expected also by mid November. Preliminary well equipment for Wells 10 and 11 has been selected and it is anticipated to have the capacity to meet production goals at both the current near historic high aquifer level and historic low aquifer level for drought resilience. The budget established for the ***Civiltec*** effort is $421,360.00. There were expenditures in the month of October 2024 totaling $53,463.75. The remaining budget is $316,550.00.

I hope this information helps with your processing of the project invoices. Please let me know if you have any questions.

Very truly yours,

CIVILTEC engineering, inc.

W. David Byrum, P.E.
President, Principal Engineer

X:\Agency\CA\Water District\LaHabraHeightsCoWD\Engineering Backups\La Habra Heights CWD October 2024 Work docx

REPORT OF SUPERINTENDENT

LA HABRA HEIGHTS COUNTY WATER DISTRICT

MEMORANDUM

DATE: 12/12/24
TO: JOE MATTHEWS, GENERAL MANAGER
& BOARD OF DIRECTORS
FROM: IVAN RAMIREZ, SUPERINTENDENT
SUBJECT: SUPERINTENDENT'S REPORT FOR NOVEMBER 2024

System and Scada Equipment Maintenance

- Repaired seven service leaks and one main leak.

- MG plant is the last wireless line that needs to be replaced. TPX/Spectrum tentatively have December 27, 2024, for installation of the secure landline for scada.

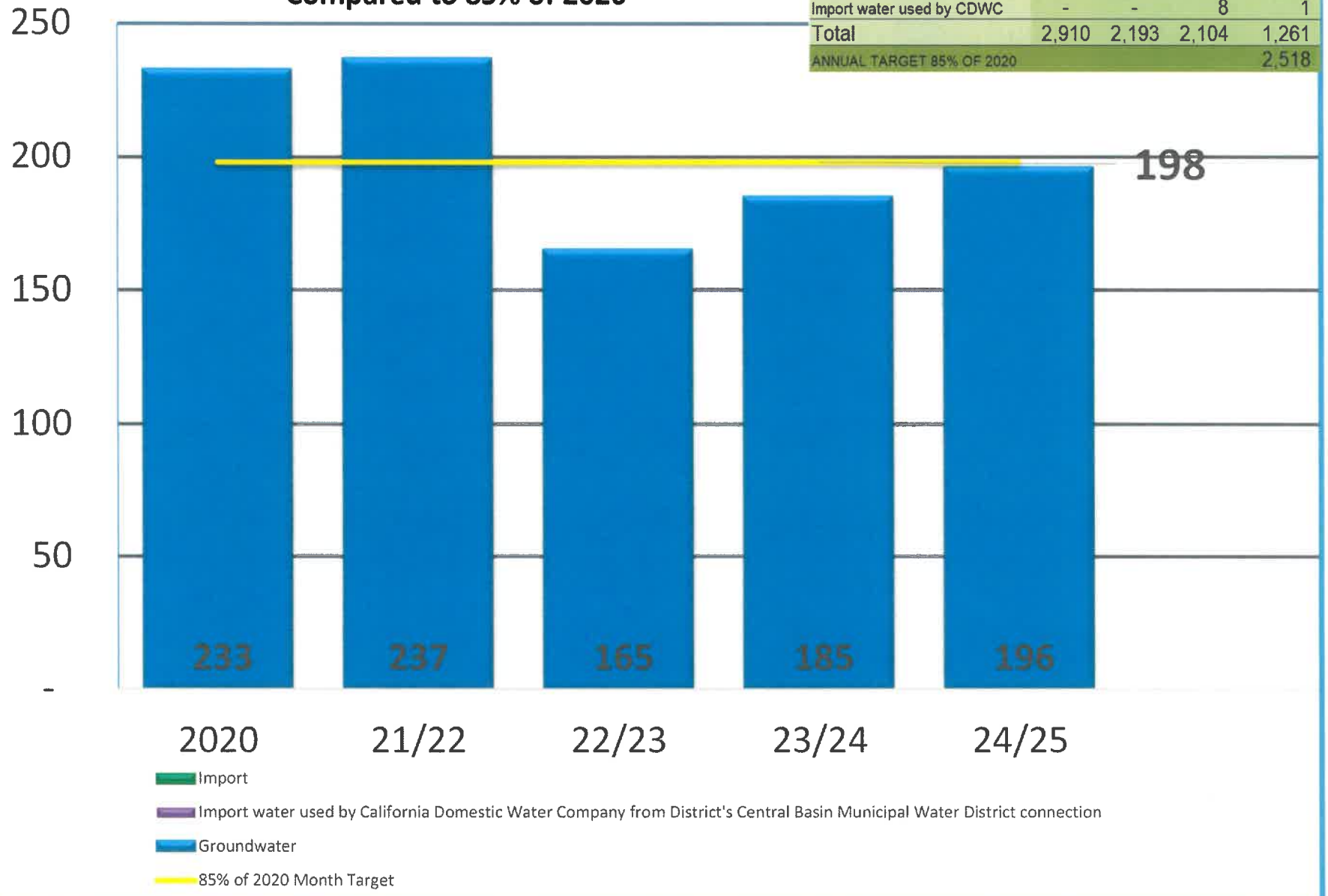
- Board room cabinetry has been installed, and currently awaiting installation of countertop.

LA HABRA HEIGHTS COUNTY WATER DISTRICT

Production in acre feet for NOVEMBER

Compared to 85% of 2020

ANNUAL WATER USAGE				
Water Source	2021/ 2022	2022/ 2023	2023/ 2024	2024/25 THRU NOV
Groundwater	2,910	2,193	2,083	1,260
Import	-	-	13	-
Import water used by CDWC	-	-	8	1
Total	2,910	2,193	2,104	1,261
ANNUAL TARGET 85% OF 2020				2,518



DISCUSS AND APPROVE MEMORANDUM OF UNDERSTANDING BY AND BETWEEN LA HABRA HEIGHTS COUNTY WATER DISTRICT AND THE WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA REGARDING FUNDING UNDER THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY COMMUNITY GRANTS PROGRAM

LA HABRA HEIGHTS COUNTY WATER DISTRICT

MEMORANDUM

DATE: DECEMBER 17, 2024

TO: BOARD OF DIRECTORS

FROM: JOE MATTHEWS, SECRETARY/GENERAL MANAGER

SUBJECT: APPROVAL OF MOU BETWEEN WRD AND LHHCWD REGARDING EPA GRANT FOR PFAS TREATMENT

We have revised Water Replenishment District's (WRD's) proposed EPA grant funding Memorandum of Understanding (MOU). The MOU is between the District and WRD as directed by the Board. Please see the attached MOU for approval.

REIMBURSEMENT
AGREEMENT BY AND
BETWEEN
LA HABRA HEIGHTS COUNTY WATER DISTRICT
AND
THE WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA
REGARDING
FEDERAL ENVIRONMENTAL COMPLIANCE SERVICES RELATED TO THE CONSTRUCTION OF WATER TREATMENT FACILITIES AND UPGRADES TO THE JUDSON WELL FIELD

This Reimbursement Agreement, hereinafter "Agreement", is made and entered on _____ by and between La Habra Heights County Water District ("Participant"), and the Water Replenishment District of Southern California ("WRD"), hereinafter collectively referred to as "Parties".

RECITALS

WHEREAS, this reimbursement program ("Program") was developed to serve water system providers with assistance to access and comply with potential funding sources to address contaminated drinking water issues; and

WHEREAS, by helping communities clean up and treat contaminated water wells and address other infrastructure needs, WRD furthers its mission in reducing the region's dependence on imported water; and

WHEREAS, under this Program, WRD will assist Participant by retaining environmental compliance services for Participant's efforts to comply with federal funding source environmental requirements related to the construction of water treatment facilities and upgrades to LHHCWD's Judson Well Field ("Project"); and

WHEREAS, Participant agrees to reimburse WRD for any and all actual costs and expenses incurred by WRD on behalf of Participant in retaining the federal environmental compliance contractor as provided for herein for the Project.

NOW, THEREFORE, IN CONSIDERATION OF THE FOREGOING, IT IS UNDERSTOOD AND AGREED BETWEEN THE PARTIES:

Section 1: The above recitals are incorporated herein as provisions of this Agreement.

Section 2: WRD and its selected environmental contractor will work with the U.S. Environmental Protection Agency to fulfill the federal environmental compliance requirements for the Project . WRD will ensure costs incurred by its consultant will be reasonable and necessary only.

Section 3: Participant agrees to be bound by the terms of this Agreement in consideration of the services and assistance of WRD as contemplated and set forth herein.

Section 4: Participant hereby agrees to reimburse WRD within 60 days of invoice for any and all actual costs incurred in retaining an environmental contractor to provide NEPA compliance services for Participant. Participant acknowledges the proposed amount and breadth of services attached hereto as Exhibit "A" and incorporated herein with the reference. WRD shall include all backup documentation with its reimbursement request(s) detailing the actual services provided by WRD and/or its consultant. Invoices shall be billed on a time and material basis.

Section 5: Upon thirty (30) days written notice, the Parties hereto may examine, inspect, copy, review and audit any documents or records within the custody or control of the other Party relating to any and all aspects of services related to this Agreement or charges or credits incurred or received in relation to this Agreement.

Section 6: This Agreement only applies to the terms contained herein and is a fully integrated agreement. Any amendment as to the terms of this Agreement requires the written agreement of the Parties in a formal amendment to this Agreement.

Section 7: Any and all notices related to this Agreement shall be made in writing and may be given by personal delivery, by mail, or by facsimile. Such notices sent by mail should be sent to the designated contact person for each Party and addressed as follows:

Participant
La Habra Heights County Water District
Joe Matthews
General Manager
1271 N Hacienda Road
La Habra Heights, CA 90631

WRD
Water Replenishment District of Southern California
Esther Rojas
Manager of Watermaster and Water Resources
4040 Paramount Boulevard
Lakewood, CA 90712

Section 8: Each of the Parties hereto represents and warrants to the other that it has full power and authority and has obtained all approvals required by its governing board or governing body necessary to enter into, and perform its obligations under this Agreement and that the individual executing this Agreement on its behalf has the legal power, rights,

and authority to bind such party.

Section 9: This Agreement may be executed in two or more counterparts, each of which shall be deemed an original and all of which shall, taken together, be considered one and the same agreement.

Section 10: This Agreement shall be construed and enforced in accordance with the laws of the State of California, without giving effect to rules governing the conflict of laws.

Section 11: Neither party shall assign or otherwise transfer this Agreement or its right or interest or any part thereof to any third party, without the prior written consent of the other

party. No assignment of this Agreement shall relieve the assigning party of its obligations until such obligations have been assumed in writing by the assignee. When duly assigned in accordance with the forgoing, this Agreement shall be binding upon and inure to the benefit of the assignee.

Section 12: Participant agrees to hold harmless and indemnify WRD for and all claims related to this Agreement.

Section 13: If any legal suit, action, or proceeding (collectively, and together with all appeals thereof, each a "Legal Proceeding") is commenced under this Agreement or to enforce this Agreement, in addition to any other relief to which the successful or prevailing party or parties are entitled, the successful or prevailing party or parties shall be entitled to recover, and the non-prevailing party or parties shall pay (a) reasonable attorneys' fees and expenses of the successful or prevailing party or parties, (b) court costs, and (c) other out-of-pocket expenses incurred by the successful or prevailing party or parties in such Legal Proceeding.

IN WITNESS WHEREOF, the parties thereto have executed this Reimbursement Agreement to be executed by their duly authorized representatives.

La Habra Heights County Water District
("PARTICIPANT")

By: _____

_____

Date: _____

WATER REPLENISHMENT DISTRICT
OF SOUTHERN CALIFORNIA ("WRD")

Date: _____ By: _____
Joy Langford, President, Board of Directors

Date: _____ By: _____
Vera Robles Dewitt, Secretary, Board of Directors

Date: _____ By: _____
Leal Trejo APC, District Counsel

Exhibit "A"

Sirius Environmental

October 3, 2024

Aimee Zhao, Water Resources Planner
Water Replenishment District (WRD)
4040 Paramount Boulevard
Lakewood, CA 90712

RE: Proposal to Provide Environmental Services Pursuant to NEPA in Connection with Construction of Water Treatment Facilities and Upgrades to the Judson Wellfield

Dear Aimee:

We understand that the La Habra Heights County Water District (LHHCWD) has identified PFAS above EPA MCLs and both PFAS and PFOAs above State response levels in the Judson Wellfield. In response to this contamination LHHCWD proposes to install a 6,000 gallons per minute Ion Exchange Treatment System (sand separators followed by new pretreatment cartridge filters and three pairs of IX pressure vessels) at the Judson Wellfield, Wells 10 and 11 site. The facility will connect to Wells 8, 10 and 11. At the same time Wells 10 and 11 will be upgraded with new pumps and motors to maximize pumping capacity. A new 18-inch pipe (that will cross Norwalk Boulevard near the intersection with Saratoga Street) will connect to the existing 30-inch pipe currently transferring water from Well 8 to the Gualtieri reservoir to redirect that raw water to the Well 10 and Well 11 site for PFAS treatment. The existing 28-inch pipe from Wells 10 and 11 to the Gualtieri reservoir will be used to transfer the combined treated water from the wells to the Gualtieri reservoir.

The LHHCWD is seeking a grant from the EPA through the WRD to procure the equipment to undertake the improvements. LHHCWD proposes to construct the entire project using a combination of funds from EPA, local funding programs (WRD PFAS Remediation Program), and funding from its own budget.

The LHHCWD has contracted with a consultant to undertake CEQA documentation which is anticipated to be a Categorical Exemption using Class 1 Existing Facilities (intended for minor alteration of existing facilities involving *negligible expansion* of use and specifically includes addition of health protection devices). It should be clarified (if true) that the new pumps would not result in substantially increased pumping compared to existing and/or historic conditions.

Consistent with CEQA Section 15300.2, applicable exceptions to exemptions should be documented as part of the CEQA process (a Class 1 CE involves ruling out exceptions to exemptions: no significant cumulative impacts, no significant impacts due to unusual circumstances, the site isn't on a list of contaminated sites, no substantial change to an historical resource).

The short new pipeline crossing Norwalk Boulevard also appears eligible for the statutory pipeline exemption (Section 21080.21 addressing installation of new pipelines less than a mile in length in a public street/right-of-way but does not include surface facilities required for operation).

Scope of Work

As the original EPA Community Grant recipient WRD plans to document NEPA compliance (anticipated to be a Categorical Exclusion -- CatEx[1]) including coordination with appropriate agencies. EPA regulations indicate "*The documentation must include: A brief description of the proposed action; a statement identifying the categorical exclusion that applies to the action; and a statement explaining why no extraordinary circumstances apply to the proposed action.*" The proposed project is within an existing facility and includes replacement equipment and a short new pipeline within existing right of way. Minor construction activity would be required that would not have the potential to impact adjacent uses. No impacts to biological resources are anticipated due to the existing urban environment and minimal disturbance of soils (anticipated to be all previously disturbed). These issues can be documented by answering the questions on the CatEx review form. Ideally, the NEPA documentation can substantially rely on the CEQA documentation to identify the Project Description and range of anticipated impacts. We assume that the CEQA consultant will prepare any necessary technical reports, but if not, we can undertake any necessary studies (after discussions with EPA as to their requirements). EPA CatEx documents are not substantially detailed.[2]

Costs

Given the involvement of a CEQA consultant, the extent of effort necessary for NEPA coordination is unclear. It may well be that the tasks to coordinate with the EPA, agencies and complete the Categorical Exclusion form are straightforward and the budget outlined below is not fully needed.

---

1 40 CFR Part 6. § 6.204 Categorical exclusions and extraordinary circumstances.
(a)(1)(ii). Actions relating to existing infrastructure systems (such as sewer systems; drinking water supply systems; and stormwater systems, including combined sewer overflow systems) that involve minor upgrading, or minor expansion of system capacity or rehabilitation (including functional replacement) of the existing system and system components (such as the sewer collection network and treatment system; the system to collect, treat, store and distribute drinking water; and stormwater systems, including combined sewer overflow systems) or construction of new minor ancillary facilities adjacent to or on the same property as existing facilities. This category does not include actions that: involve new or relocated discharges to surface or ground water; will likely result in the substantial increase in the volume or the loading of pollutant to the receiving water; will provide capacity to serve a population 30% greater than the existing population; are not supported by the state, or other regional growth plan or strategy; or directly or indirectly involve or relate to upgrading or extending infrastructure systems primarily for the purposes of future development.

2 https://cdxapps.epa.gov/cdx-enepa-II/public/action/nepa/search/search#results

Estimated Costs		
Task	**Hours**	**Costs**
1: Coordinate with EPA regarding agency involvement	10	$2,900.00
2: Prepare letter(s) describing project and likely negligible impacts suitable to send to agencies to seek their concurrence of a no impact determination (SHPO, USFWS, ACOE). Coordinate with agencies as needed.	26	$7,540.00
3: Coordinate with LHHCWD CEQA Consultant	16	$4,640.00
4: Together with WRD staff Complete EPA Cat Exclusion Form	30	$8,700.00
5: Meetings and Consultation	16	$4,640.00
Total	82	$28,420.00

Aimee, if you have any questions let me know.

Sincerely,

Wendy

Wendy Lockwood
Principal

DISCUSS AND ACTION – APPROVE RFP FOR PROCUREMENT OF PFAS ION EXCHANGE

LA HABRA HEIGHTS COUNTY WATER DISTRICT

MEMORANDUM

DATE: DECEMBER 17, 2024

TO: BOARD OF DIRECTORS

FROM: JOE MATTHEWS, SECRETARY/GENERAL MANAGER

SUBJECT: APPROVAL OF REQUEST FOR PROPOSAL FOR PROCUREMENT OF PFAS ION EXCHANGE TREATMENT SYSTEM

Attached please find for your approval a completed Request For Proposals for the pre-purchase of a PFAS Ion Exchange Treatment System. It has been written by Civiltec to comply with the EPA requirements for the grant with Water Replenishment District (WRD). We need to submit this to WRD for review before it is advertised.

La Habra Heights County Water District

REQUEST FOR PROPOSAL

FOR PROCURMENT OF

PFAS ION EXCHANGE TREATMENT SYSTEM

(December 2024)

SPECIFICATION HWQ001

1271 Hacienda Rd.

La Habra Heights, CA 90631

INTRODUCTION

PFAS (Per-and Polyfluoroalkyl Substances such as PFOA and PFOS) has been detected in La Habra Heights County Water District's (LHHCWD) wells 10, 11, and offsite well's ground water. To address the removal of PFAS from the ground water for use as a potable water source, the well discharge waters are to be rerouted to a common treatment center at LHHCWD's wells 10 & 11.

LHHCWD is requesting proposals to prepurchase treatment system components and treatment resin media from qualified, interested firms (BIDDER) to provide single pass ion exchange (IX) equipment system for the removal of PFAS to be installed at the well 10 & 11 site located at 7412 Norwalk Blvd Whittier, CA 90606. The pre-purchased equipment will be installed by a general contractor selected at a later time by the OWNER.

Proposals shall be submitted in accordance with the format and information contained herein and are submitted to:

Joe Matthews

Joe@lhhcwd.com

General Manager

La Habra Heights County Water District

Key dates for this RFP are listed below:

Questions Deadline: January 6 2025

Responses Returned: January 10, 2025

RFP due: **January 15,2025 5:00 PM**

Proposals received after the due date and time will not be accepted. The cost for preparing a proposal is at the expense of the BIDDER and will not be reimbursed by OWNER. Proposals deemed non-responsive will not be considered.

BACKGROUND INFORMATION

OWNER is constructing a new single IX system at OWNER's Well 10 & 11 site to treat water conveyed from OWNER's Wells 10, 11, and offsite wells. Copies of water quality records for the wells are included in this RFP for the BIDDERs to estimate the sizing the IX treatment system required to meet effluent levels goals set in this document.

The proposed IX PFAS treatment facility will treat water pumped from Wells 10, 11, and the offsite wells for a capacity of up to 6,000 gpm. The BIDDER shall assume the treatment system will receive up to 2000 gpm from each of the three water sources and have the capacity to meet treatment goals under varied configurations blended influent waters.

The proposed IX pressure vessel system shall be designed to function properly using various IX selective resin products, including Purolite Purofine A694E selective resin or any other IX resin products that may be available in the future with equal effective qualities, and approved for use by the California Division of Drinking Water ("DDW").

The system shall be designed to treat up to 6,000 gpm of water on a continuous basis using three sets of lead/lag paired pressure 12-ft diameter vessels system. The lead/lag system shall be sized to treat a flow of 2,000 gpm for each vessel pair. The equipment shall be approved by DDW for PFAS removal in drinking water systems. When the proposed equipment is loaded with IX resin media and operated at 6,000 gpm in the lead/lag vessels, the treatment system must consistently, and reliably, reduce PFAS concentrations in the effluent groundwater to non-detect (ND).

The IX system shall include three sets of lead/lag vessels and the lead/lag valve manifolds integral to the system as shown on the attached drawings:

- Figure 1: IX Vessels and Sections Layout
- Figure 2: P&ID

The BIDDER shall provide an anchoring design and calculations of the vessels and valve tree support prepared by a Professional Engineering registered in the State of California. A geotechnical investigation report of the project site has been prepared and included with this RFP for BIDDER reference.

The footprint area of the IX equipment, including the IX vessels, valve trees, and piping headers along with their supports and clearances to access process valves shall be provided by the BIDDER as shown in the drawings. Piping headers and supports are to be furnished and installed by the installation general contractor.

FEDERAL FUNDING REQUIREMENTS

BABAA Requirements:

Funding for this project include grants from the United States Environmental Protection Agency ("USEPA") Build America Buy America Act (BABAA). BABAA has requirements for iron, steel, manufactured products, and construction materials used in the project to have been produced in the United States to varying degrees. Bidders are encouraged to consult the USEPA BABAA online information page link below for guidance on documenting compliance of their products included in their bid proposal.

https://www.epa.gov/cwsrf/build-america-buy-america-baba

Equipment/materials in the BIDDER's proposal must comply with all requirements associated with BABAA, a waiver application will not be submitted.

The equipment/materials supplied are required to comply with BABAA for acceptance. Bidders shall clearly identify BABAA compliance of each equipment/material item in their proposals or items will be considered non-compliant by default when evaluating. **Attachment 1** of this RFP provides Instructions For Submitting Build America Buy America Act Certifications.

Any request for substitute or "or equal" shall include the Manufacturer's Certification of compliance with the BABAA requirements.

BABA requirements for a ***manufactured product*** is partially defined by BABAA in the excerpt below:

> *"(2) all manufactured products used in the Project be produced in the United States – this means the manufactured product was manufactured in the United States; and the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than* ***55 percent of the total cost of all components*** *of the manufactured product, unless another standard for determining the minimum amount of domestic content of the manufactured product has been established under applicable law or regulation...."*

Bids received lacking conclusive documentation of meeting the BABAA requirements may not be considered for selection of prepurchased equipment in this RFP. All bids may be subject to review and acceptance by funding authorities for compliance with grant funding requirements.

DBE Requirements

Proposals must comply with all requirements of Disadvantaged Business Enterprise ("DBE") . Respondent is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Consultant. This information must be submitted with the bid. Respondents, regardless of DBE status, are required to make good faith efforts to utilize minority firms, women's business enterprises, and labor surplus area firms if any subcontracts will be proposed as part of Respondent's proposal.

USEPA Funding Dependency

The selected supplier will be subject to the ability to gain USEPA BABAA acceptance of documentation for funding and the District reserves the right to reject proposals to prepurchase equipment where funding approval is not or cannot be gained.

PURPOSE OF THE RFP

The purpose of this RFP is to obtain proposals for furnishing single pass fixed bed IX system equipment and PFAS selective resin media for the removal of PFAS from groundwater. The treatment system design will be subject to approval by the Environmental Protection Agency (EPA), OWNER, the DDW and others.

The successful BIDDER shall be responsible for furnishing and delivering the equipment to the treatment plant site. The equipment shall be unloaded by the installation general contractor selected by OWNER to install the treatment system. The BIDDER shall provide technical support for installation and start up, inspect the general contractor's installation and provide a written letter confirming the installation meets all warranty requirements, and performance guarantees and warranties of PFAS treatment to ND for the proposals explicitly stated bed volumes.

The BIDDER must describe and provide time and material cost estimates for any additional level of support that may be needed. OWNER is not responsible for any costs (man-hours or materials) associated with the preparation of the proposal in response to this RFP.

The BIDDER shall include **a five percent Bid Bond** to guarantee that the BIDDER will, if its proposal is selected, fully execute an agreement with OWNER. Each bid shall be **valid for at least 90 days** after the bid opening. **Bid Bonds will be returned** after the full execution of an equipment supply contract, or **not later than 90 days** after the bid opening. The scope of supply shall include the following:

1. Three (3) pair sets of 12' diameter lead/lag vessels and related appurtenances including the lead/lag valve manifold and the instruments specified herein.
   a. Pressure vessels shall be ASME rated to 175 PSI.
2. Sufficient DDW approved PFAS-selective resin media (**minimum of 535 cf per vessel**) for each vessel to meet treatment goals set forth in this RFP and to account for losses during initial startup and testing.
3. Design and calculations for anchorage of the treatment vessels and valve tree support to a concrete support pad prepared by a Professional Engineer registered in the State of California.
   a. A copy of the site geotechnical evaluation report is included with this RFP for reference.
4. BIDDER assistance to the OWNER's selected installation general contractor during construction, inspection of the installation, a letter explicitly stating the installation meets all warranty requirements, and startup and testing services.

PERFORMANCE CRITERIA

OWNER has established the following basic performance criteria. These criteria shall be used by the BIDDER to prepare a proposal and will be used by the OWNER to evaluate the proposals and treatment system performance.

1. Treatment shall be to non-detect in the effluent of the PFAS treatment system. Water quality data from the source ground water wells is provided with this RFP.
2. Normal operating pressure to the pressure vessel inlet is anticipated to range from **100 psi to 125 psi**. Pressure vessels, piping, flanges, valving and appurtenances shall be rated to a minimum of 150 psi, greater where listed higher than 150 psi in this specification.
3. The normal total operating flow rate (design) for each individual lead/lag system shall be **2,000 gpm**, continuous operation. Information (e.g. a list and description of equipment to be provided, general arrangement drawings and elevations **with overall dimensions**, and an overall **process schematic**) shall be provided with the proposal for OWNER to identify the footprint requirements for the equipment to be provided and the limits of the scope of equipment being provided.
4. BIDDER shall provide a **detailed description of the instrumentation and controls** (controls, valves, meters, etc.) must be included in the proposal. The rationale for the selected controls shall also be provided.
5. Each BIDDER shall submit with its proposal, a **proposed schedule** to manufacture and deliver all of the equipment. The final delivery date may be subject to negotiation.
6. Each BIDDER shall provide certification that all chemicals or substances to be added to, or to be in contact with the water, if any are DDW accepted, or are certified to meet the criteria of AWWA, ANSI/NSF 60/61, NSF, California NSF 61, or Food Chemical Code publications.
7. Each BIDDER shall provide an **estimate of the full system pressure drop between the inlet flange and the outlet flange**. The BIDDER shall provide an estimate based on each vessel filled with 535 cf (or **more if deemed required by the BIDDER** to meet treatment goals) of PFAS selective resin in each vessel and operating at 2,000 gpm. The BIDDER shall **determine the required bed depth of PFAS selective resin** for their proposed pressure vessel configuration to meet PFAS removal goals, **volumes of resin stated in this RFP are approximations only.** Provide the manufacturer and product of PFAS selective resin used to calculate the pressure drop shall also be specified.
8. Provide a detailed list of information on all PFAS IX treatment systems the BIDDER currently has in operation **in the State of California**. Include DDW permitting, and facility description. Identify differences between these operating systems and the proposed treatment system.

EQUIPMENT

PART 1

1.0 IX PFAS Treatment System Equipment

Accompanying this RFP is a process and instrumentation diagram drawing for reference, and a mechanical plan view, section view, and isometric illustration to demonstrate layout spacing constraints/requirements. The drawings illustrates a single pair-set of treatment vessels (3 pair-sets required).

The BIDDER should note the **requirement for pressure differential instrumentation** across each vessel influent/effluent piping.

The BIDDER should note a requirement for a **12-inch flanged magnetic flow meter** for each vessel pair-set (3 in total) to be shipped loose for installation by the OWNER's general contractor on the effluent from each pair-set of vessels.

The BIDDER should note the requirement for flanged molded spherical expansion joints with control rods, see mechanical drawings accompanying this RPP for locations required.

1.01 General Requirement

This section describes materials, fabrication, installation and testing of a complete pre-engineered IX PFAS Treatment System for the removal of PFAS from groundwater. The BIDDER shall supply the equipment in a preassembled form such that the installation contractor will require minimum assembly work at the site. The BIDDER is required to specify the maximum number of preassembled pieces for the lead/lag systems.

1.02 References

A. ASME Section VIII, Division 1 – American Society of Mechanical Engineers Boiler and Pressure Vessel Code

B. ASME/ANSI B16.5 – American Society of Mechanical Engineers/American National Standard Institute

C. Steel Structures Painting Council Surface preparation Specifications and National Association of Corrosion Engineers

D. ASME Section II, American Society of Mechanical Engineers – Materials, Parts A, B & C

E. American Society of Testing Materials (ASTM) F. ANSI/NSF Standard Drinking Water System Components – Health Effects

1.03 System Description

A. The complete system includes the following.

a. IX vessels with internals for media retention

b. Influent, effluent and backwash/rinse water inlet/outlet piping with valves

c. Media fill and discharge piping with valves

d. Vent and pressure relief piping

e. Water piping and utility connections

B. The vessels, piping, valves, and PFAS selective resin media shall function as a system. The PFAS selective resin media shall be supplied under this RFP.

C. The IX system shall have the following process capability:

a. Vessels per system: Two

b. Resin media capacity per vessel: 535 cf (minimum). The capacity shall be calculated from above the septa.

c. Flow rate per paired lead-lag vessel system: 2,000 gpm maximum.

d. Pressure drop: 27 psig (max) per vessel pair system at 2,000 gpm while operating with a minimum 535 cf of PFAS-selective resin media per vessel. The BIDDER shall identify the pressure drop (influent flange of valve to effluent flange for a pair set of lead-lag vessels) with the type and volume of PFAS selective resin media required to meet non-detect treatment goals in their estimation.

D. The BIDDER shall determine the required bed depth of PFAS-selective resin for their proposed pressure vessel configuration to meet PFAS removal goals, volumes of PFAS-selective resin stated in this RFP are approximations only.

E. The installed system shall meet the following minimum design criteria:

Item Description	Unit	Value
Number of Systems / Vessels Per System	-	3 / 2
Operating Configuration	-	Parallel/Lead-Lag
Min Media Capacity (Volume per Vessel)	ft^3	535
Design Flow Rate (Overall / Per Vessel)	gpm	6,000 / 2,000
Max Flow Velocity in Manifold Piping	ft/s	5.8
Max Hydraulic Loading	gpm/ft^2	17.7
Min Empty Bed Contact Time (per Vessel / per System)	minutes	2 / 4
Underdrain	-	External Ring Header

1.04 Submittals

A. The following information will be submitted for approval:

a. Description of the proposed system including flow, system design and operating modes.

b. Vessel specifications and drawings including design pressure, dimensions, and capacity.

c. System flow diagram showing all valves, components, instrumentation and utilities.

d. System general arrangement showing dimensions, weights, and elevations including influent, effluent, backwash, and media exchange pipe connection locations. Specify the pressure drop per vessel. All drawings shall be provided in AutoCAD.

e. Pressure drop information across the entire system with and without PFAS-selective resin media.

f. Material specifications for pipe, fittings, and instrumentation.

g. Specifications for internal lining of the vessels and piping.

h. Specifications for exterior painting of the vessels and piping.

i. Installation and assembly information and drawings for use by the site contractor to install the equipment.

j. Specifications and layout for anchorage of all equipment and pipe supports.

PART 2 Products

2.01 General

A. The RFP includes the required features of the equipment but does not purport to cover all details of design and construction required to meet treatment specification requirements. Materials listed are the minimum criteria required. Where required to meet the pressure rating or other listed criteria the BIDDER shall provide more stringent materials or equipment to comply. The table identifies key vessel construction requirements:

Parameter	Description
Vessel Diameter	12 ft
Side Shell Height	BIDDER to determine requirements
Overall Height	BIDDER to determine requirements
Working Pressure	175psi @ 150°F
Manway:	
Flanged at Side Shell Elliptical Type at Head	24" 14"x18"
Vessel Volume	BIDDER to determine requirements
Maximum Flow Rate (Typical)	2,000 gpm
Design Criteria	175psi ASME
Code Stamping	YES
Material	Carbon Steel
Supports (4 per Vessel)	Legs
Lifting (2 per Vessel)	Lifting Lugs
Seismic	Site Class D, Importance factor 1.5 See Appendix C for complete site geotechnical report
Interior Surface Prep	SSPC-SP5
Inferior Surface Coating	Plasite 4110, 35-45 mil dft
Exterior Surface Primer	Epoxy, 4-6 mil dft

Exterior Surface Coating	Urethane, 3-5 mil dft
Underdrains/Overdrains Underdrain:	
External Ring Header Septa Screens (8 per Vessel) High Flow Overdrain	*8" Sch. 40 Carbon Steel (min) 316L Stainless Steel V-Wire Screens 6.625" Dia x 12" eff Sch 10 304SS (min)
Valve Assembly and Piping:	
Process Piping Media Transfer Piping	*10" Sch 40 Carbon Steel (min) 4" Sch 40 Lined Carbon Steel (min)
Valves:	
Process Media Transfer Vent/Wash Sample Ports (4)	*10" Butterfly (min), Cast Iron Body, DI Disc, Gear Operator 4" Flanged 316 Stainless Steel Full Port Ball Valve 2" Lead-Free Bronze Ball Valve 1/2" Lead-Free Bronze Ball Valve
Connection Hardware	Hot-Dip Galvanized

* BIDDER to determine process piping diameter requirements to meeting max headloss criteria.

2.02 IX Vessels

A. The vessels shall be fabricated of carbon steel, conforming to ASTM A516 grade 70, 12'-0" diameter with a straight side height (5 ft min) to be determined by the BIDDER to achieve treatment goals with 2:1 elliptical top and bottom heads. The vessels must be designed, constructed and stamped in accordance with ASME Section VIII, Division 1 and registered with the National Board for a design pressure rating of 175 psig at 140 °F. Each vessel will be provided with one (1) 20" diameter round manway located on the lower straight side portion of the vessel and one (1) 14-inch x 18-inch elliptical access at the top.

B. The straight side height shall be based on PFAS selective resin capacity a minimum of 535 cf capacity. The BIDDER shall determine the required bed depth of PFAS selective resin for their proposed pressure vessel configuration to meet PFAS removal goals, volumes of PFAS selective resin and vessel dimensions stated in this RFP are approximations only indicating the minimum requirements.

C. The successful BIDDER will include a vessel anchoring system design including detailed calculations illustrating the seismic characteristics of the proposed vessels and valve tree and their reactions to the foundation Stamped by California Registered Civil Engineer. The vessel manufacturer shall assume the vessel operating weight is that of the empty vessel plus the weight of water and PFAS selective resin media fully filling the vessel. The manufacturer shall use the seismic factors for design from the site geotechnical report. Seismic design is assumed to control the lateral loading of the vessels and therefore wind criteria is not provided. See Table 3 page 10 of the geotechnical report in Appendix C for seismic design parameters.

D. Each vessel must be equipped with internal vessel nozzles. These nozzles must include stainless steel slotted media retainers that extend into the vessel for treated water collection; backwash water introduction and media retention.

E. The water distribution header and laterals at the top of the PFAS selective resin bed shall be fabricated of stainless steel with stainless steel nozzles.

F. Each vessel shall be provided with three (3) 2" side sample nozzles for use with in-bed water sample probes at 25%, 50% and 75% of the media bed depth. Sample probes must consist of a 1/2" stainless steel pipe with a stainless-steel slotted nozzle to collect a water sample from within the media bed. The slot opening for nozzle shall be such that the specified PFAS selective resin media does not leak into the sample pipe. The sample probes will be inserted through a 2" flanged nozzle (flanged nozzle to assure adequate coverage of the internal lining) and include a drop line and shutoff valve external to the vessel. All components for the sample line shall be stainless steel.

G. All surfaces will be degreased prior to sandblasting. The vessel internal surface to be lined will be blasted to a white metal surface (SSPC-SP5) to provide a 3 to 4 mil anchor pattern. The exterior of the vessel will be power tool cleaned to the degree specified by SSPC-SP3-63.

H. The interior surfaces of each vessel are to be lined with a nominal 35 mil dry film thickness using Carboline Plasite 4110 vinyl ester lining materials or approved equal. The lining will be force cured to meet requirements for certification for use in potable water systems per NSF/ANSI Standard 61.

I. The exterior surface of the vessels will be painted to a dry film thickness of 6 to 8 mils with a finish coating of polyurethane exterior paint. The color of the exterior paint shall be selected by the owner.

2.03 Process and Utility Piping

A. The process and utility piping on the system will include influent water to the system, treated water, backwash/rinse water supply and discharge. These items constitute the piping associated with the valve tree. Also included are the vessel vent lines, and media fill and discharge piping. The influent and effluent pipe network must allow for series (lead/lag) and parallel operating modes. The lead/lag operation allows for either; a) flow from the influent flange, to Vessel A, to the pipe module, to Vessel B, to the pipe module then to the effluent flange, or b) flow from the influent flange, to Vessel B, to the pipe module, to Vessel A, to the pipe module then to the effluent flange. The change in flow pattern is accomplished with a change of valve positions.

Forward rinse water will utilize the filters raw groundwater with a valving configuration to send the forward rinse water waste stream to the onsite storm drain connection. The valve tree design shall have three tee connections which will connect the valve tree inlet, outlet, and forward rinse discharge to the corresponding laterals. The BIDDER is responsible for just the valve tree, support and anchoring system, associated piping, and the following:

a. One 12-inch flanged magnetic flow meter to be installed by the treatment system installation general contractor on the 12-inch effluent lateral from each of the 3 vessel pair

sets (Three 12-inch magnetic flow meters total). The BIDDER shall provide the flow meter to the OWNER's installation general contractor for installation on the piping laterals. The flanged magnetic flow meter shall as by Sparling **Tigermag EP series or approved equal.**

The OWNER's installation general contractor will furnish and install the pipe laterals that extend from the BIDDER's treatment system valve tree flanged connections.

b. Process water piping (inlet and outlet) will be constructed of schedule 40 carbon steel, ASTM A53 Grade B materials with 150 lb ANSI B16.5 ASTM A105 forged carbon steel, slip-on or weld neck (flat or raised face) flanges with ASTM A126 cast iron 150# flanged elbow and tee fittings.

c. Vent and safety relief piping will be 3" diameter, constructed of carbon steel per Item B.

d. Media fill and discharge piping will be schedule 10S stainless steel, ASTM A-312 Grade TP 304L, welded, annealed and pickled, with ASTM A-403 Grade WP 304L stainless steel, ANSI B16.9 butt weld fittings and ASTM A-182 Grade F 304 forged stainless steel 300# ANSI B16.5 raised face slip-on or weld neck flanges.

e. Utility piping will be constructed of threaded schedule 80 carbon steel, ASTM 53 Grade B materials. Include flanged molded spherical expansion joints with control rods, **Proco Style 242** or equal, see mechanical drawings accompanying this RPP for locations required.

f. All exterior carbon steel piping surfaces installed above grade shall comply with the latest revision of either AWWA Standard C-210 (liquid epoxy) or AWWA Standard C-213 (fusion bonded epoxy). All pipe and fittings shall be completely coated

g. All interior surfaces of carbon steel water piping installed above grade shall comply with the latest revision of either AWWA Standard C-210 (liquid epoxy) or AWWA Standard C-213 (fusion bonded epoxy). All pipe and fittings shall be completely lined. Lining shall comply with NSF 61 and California NSF 61 standards.

h. The valve tree must include a structural steel support frame for support of the piping and valve network. The valve tree shall have three levels (water inlet, treated water outlet, and forward rinse water out). The valve tree support shall be provided with anchoring hardware by the BIDDER with design drawings and calculations for anchoring systems prepared by a Professional Engineer registered in the State of California.

2.04 Process and Utility Valves

A. The process and utility piping; excluding media fill and discharge piping, will be equipped with butterfly valves for flow control. Flanged butterfly valves are required to accommodate the process and forward rinse control functions for each valve tree of a vessel pair-set.

B. The influent, effluent, vent and forward rinse water control valves will be a ductile iron wafer type body butterfly valve with aluminum-bronze disc, BUNA-N seats and stainless-steel shaft to mate to 150 pound ANSI flanges. The valves must be rated for 150 psig in closed position at 180 °F, and meet or exceed the latest AWWA specification C504. The **valves shall be provided with**

gear-operated hand wheels. All painting and coating for the valves shall be NSF 61 certified. Butterfly valves shall be **as by Pratt Series 2FII or approved equal.**

a. Valve bodies shall be constructed of ASTM A126, Class B cast iron for flanged valves or ASTM A48, Class 40 for wafer style. Flanged valves shall be fully faced and drilled in accordance with ANSI Standard B16.1, Class 125.

b. Rubber body seats shall be of one-piece construction, simultaneously molded and bonded into a recessed cavity in the valve body. Seats may not be located on the disc or be retained by segments and/or screws. For wafer style valves, the seat shall cover the entire inner surface of the valve body and extend over the outside face of the valve body to form a flange gasket.

c. Valve bearings shall be of a self-lubricating, nonmetallic material to effectively isolate the disc-shaft assembly from the valve body. Metal-to-metal thrust bearings in the flow stream are not allowed.

d. The disc shall be a lens-shaped design to afford minimal pressure drop and line turbulence. Materials of construction shall be ASTM A126, Class B cast iron disc with a stainless-steel type 316 edge. Discs shall be retained by stainless steel pins, which extend through the full diameter of the shaft to withstand the specified line pressure up to valve rating and the torque required to operate the valve. Disc stops located in the flow stream are not allowed.

e. Valve shafts shall be of stainless steel type 304. At the operator end of the valve shaft, a packing gland utilizing "V" type chevron packing shall be utilized. "O" ring and "U" cup packing is not allowed.

f. All surfaces of the valve interior shall be clean, dry and free from grease before painting. The valve surfaces except for disc edge, rubber seat and finished portions shall be evenly coated with asphalt varnish in accordance with Federal Specification TT-C-494 and AWWA Standard C504. The exterior valve surfaces and actuator shall be evenly coated with a suitable primer to match field coatings.

g. Hydrostatic and seat leakage tests shall be conducted in strict accordance with AWWA Standard C504.

h. The manufacturer furnishing valves under the specification shall be prepared to provide Proof of Design Test reports to illustrate that the valves supplied meet the design requirements of AWWA C504.

i. Manual actuators shall be of the traveling nut, self-locking type and shall be designed to hold the valve in any intermediate position between fully open and fully closed without creeping or fluttering. Actuators shall be equipped with mechanical stop-limiting devices to prevent over travel of the disc in the open and closed positions. **Actuators shall be fully enclosed and designed to produce the specified torque with a maximum pull of 50 lbs.** on the hand wheel or chain wheel. Actuator components shall withstand an input of 450 ft. lbs. at extreme operator position without damage. Manual actuators shall conform to AWWA

C504. Manufacturer to **provide chain wheels on all valves located at a height of 4'-6" and above** measuring from the base of the vessel leg plates to the centerline of the wheel.

C. Air release valves shall meet AWWA C512, #150 flanged, combination air release/vacuum, NSF 61 certified.

D. Pressure relief shall be provided by a **3" pressure relief valve** designed to relieve pressure at the maximum allowable working pressure (MAWP) of the vessel. The pressure relief valves will be mounted on the vessel. A total of **two (2) will be provided for each lead/lag system**.

E. The media fill and discharge valves will be 4" diameter full port ball valves, 316 stainless steel construction with TFE seats and seals. A total of four (4) valves are required, two (2) for fill and two (2) for discharge. Alternate approved materials for media fill and discharge lines will be acceptable.

F. Utility valves for the compressed air supply will be bronze or brass or bar stock brass body regular port ball valves.

G. All valve actuators shall be equipped with stainless steel tags embossed with the valve tag identifier raised lettering/numbering corresponding to the process and instrumentation diagram. Provide stainless steel cable/wiring to attach valve tags to their associated valve actuator.

2.05 Instrumentation

A. Each vessel shall be provided with an electronic differential pressure transmitter to communicate the DP signal to the OWNER's SCADA system via a 4-20 mA output. DP transmitter shall be **Rosemount Series 2051C** or approved equal. BIDDER shall provide all tubing, mounting brackets and attachment accessories for a complete function system. The OWNER's installation general contractor will be responsible for cabling and conduit from the BIDDER's DP transmitter to the OWNER's SCADA system interface. A total of two (2) differential pressure instruments will be provided for each of the three (3) lead/lag systems.

B. The process piping will be equipped with analog pressure gauges to indicate the pressure entering and exiting each vessel and to provide information on the pressure drop across each vessel and the system. The pressure gauges will have a 4 ½" face diameter with a stainless-steel bourdon tube in a glycerin filled housing (1 to 150 psig range) and isolation valve. A total of three (3) will be required for each lead/lag system.

C. Necessary tubing, valves and fittings shall be provided to connect gauges to the indicated pipelines. Each gauge shall be equipped with two valves. One valve for isolation and the other for sampling/air relief.

2.06 Miscellaneous

A. The media fill and discharge lines will be fitted with hose connections, such that media transfer to and from the vessels can be facilitated using transfer hoses. These connectors will be 4" Quick Disconnect Adaptors constructed of corrosion resistant materials (nylon) as manufactured by Dover Corp. as Kamlock connectors or approved equal.

B. Two (2) flush connections will be provided on each media fill line, one upstream and one downstream of the valve. One (1) flush connection will be provided on each media discharge line, downstream of the valve. The connections will be welded into the stainless-steel pipe. Flush connections will consist of a short section of ¾" pipe, a ¾" full port ball valve and a ¾" quick disconnect adaptor to match with water hose fittings.

C. Anchorage requirements for the valve tree pipe support shall be specified by the BIDDER and all anchor bolts necessary for installation shall be provided by the BIDDER. Anchor bolts shall be Hilti Series RE-500 and shall be made of ASTM F593 stainless steel.

D. Provide 12-inch x 12-inch x 30 mils **flexible magnetic signs** with UV resistant die cut vinyl with red 6-inch lettering stating "LEAD" (provide 3 signs) and "LAG" (provide 3 signs).

2.07 PFAS-Selective Resin Media Product

A. The BIDDER shall provide and deliver to the project site sufficient PFAS selective resin media to meet resin bed depths shown in the BIDDER's reviewed and approved shop submittal, plus additional resin media to account for losses during startup and testing.

B. The PFAS selective resin media product shall be approved by the California DDW for use in removing PFAS from ground water for potable water production purposes. Alternate PFAS selective resin media types proposed by the BIDDER as an equal substitution must be approved the California Department of Public Health ("DDW").

C. The PFAS selective resin media shall exhibit the following characteristics:

PFAS Selective Resin Media Characteristics	
Polymer Structure	Polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Complex Amino
Mean Diameter	675±75µm
Uniformity Coefficient (max.)	1.3
Specific Gravity	1.05
Shipping Weight (Approx)	650-750g/L (40.6-43.8lb/ft^3)
Temperature Limit	100°C (212.0°F) (Cl^- form)
Temperature Limit	60°C (140.0°F) (OH^- form)

The PFAS selective resin media shall be Purolite Purofine A694E or DDW approved equal.

PART 3 Media Installation

1) Fill ½ of the vessel with filtered ground water.

2) Load ½ of the resin volume into the vessel.

   a. Forward rinse the resin bed for 15-20 minutes to remove fines from the bed.

   b. Let bed settle and drain to 10 cm (4 inches) above top of resin bed.

   c. Determine the resin volume.

   d. Repeat the procedure with the second half of the resin.

   e. Confirm the specified volume resin has been installed.

   f. Determine the pressure drop and confirm its measurement is within submitted tolerances.

3) Use manual loading of resin into the vessels. Use of centrifugal pumps or ejectors shall not be permitted.

I. PROPOSAL REQUIREMENTS

To allow for effective OWNER review, the proposal should be limited to no more than fifteen (15) pages excluding the cover letter, table of contents, general layout drawings (plan view and elevation view), overall process schematic, and a brief summary of the BIDDER's qualifications. The proposal shall contain the following information:

1. A description of BIDDER's detailed relevant experience and a description of any recently completed similar projects. Provide client references and telephone numbers for the listed projects.

2. Provide a firm schedule (in Gantt chart format) showing the various major stages of manufacturing, equipment delivery, and equipment testing. Identify key milestones, meetings and review periods. The contract with the successful BIDDER will include late fees of $1000.00 per day for each and every calendar day of unauthorized delay for delivery of the equipment.

3. General layout drawings (plan view and elevation view) for the equipment must be provided. Sizing information, including elevations for all equipment, should also be included. An overall process schematic identifying the limits of the scope of the equipment to be supplied should be provided, including piping, valves, electrical and controls. BIDDER shall furnish all electrical and instrumentation required for the treatment system. Overall plant controls, connecting the treatment system to the general plant controls will be provided by others.

4. Each BIDDER shall furnish with their proposal the following information as a minimum:

    a. General arrangement showing the footprint of the lead/lag equipment along with the valve manifold.

    b. P&ID showing all pipe sizes, valve tag identifiers, and instruments

    c. Details showing the size and orientation of the nozzles for the vessel

    d. Profile of the IX vessel indicating the overall height, length of the straight side wall, freeboard, volume of the vessel (cubic feet).

    e. Calculations showing the vessel volume required for a minimum 535 cf of PFAS selective resin media.

    f. Details of the water distribution manifold at the top of the vessel

    g. Details of the bottom manifold including the septa connection.

    h. Location of the 25%, 50% and 75% sample nozzles for a minimum of 535 cf of PFAS selective resin media installed in the vessel.

    i. Screen size opening for the septa (inches).

    j. Total open area in square inches per septa.

    k. Pressure drop for lead/lag system at 2,000 gpm with PFAS selective resin media. Specify the PFAS selective resin product used to calculate the pressure drop.

l. Plan and profile of lead/lag valve manifold indicating the levels of various pipes.

m. Number of preassembled pieces for each lead/lag IX system

n. The BIDDER shall determine the required bed depth of PFAS selective resin media for their proposed pressure vessel configuration to meet PFAS removal goals, volumes of resin stated in this RFP are approximations only.

5. Execute the attached BIDDER's Signature Page.

6. The BIDDER shall provide a written and notarized IX Treatment Capacity Performance Guarantee of the number of treated bed volumes of groundwater (in gallons) before breakthrough occurs for a single treatment vessel.

7. Provide the cost for each item of work listed on the Bid Schedule attached hereto.

II. SCOPE OF SERVICES

The BIDDER will be required to participate in **bi-weekly project teleconferences** for status updates, review current state of submittal plans, schedule updates, installation updates, and general project coordination. Teleconference meetings will be coordinated by OWNER and expected to last **1 hour for the project duration** of design/fabrication, installation, and startup.

The general scope of services is identified in the following tasks:

Task No. 1: System Design, Manufacture, and Delivery

The successful BIDDER shall design, manufacture, and deliver the IX PFAS treatment and pretreatment system equipment to OWNER's Well 10 & 11 located at 7412 Norwalk Blvd, Whittier CA 90606-2152. All BIDDERs shall specify the number of calendar days required from the date of the Notice to Proceed, to design, manufacture and deliver all equipment to the job site.

Task-1 includes the BIDDERs cost to supply and install the PFAS selective resin into the installed treatment system vessels, including resin installation costs for equipment, materials, and labor. The BIDDER shall coordinate with the installation contractor to schedule and install the resin media following the BIDDER's inspection of the treatment system and deeming the installation in compliance with all warranty requirements.

Submittals: **Within 28 calendar days** from the date of the Notice to Proceed, the successful BIDDER must furnish OWNER an equipment submittal (drawings, specifications, calculations, materials of construction, etc.) for review and approval of the design prior to the start of manufacturing. The submittal shall contain manufacturer catalog sheets for all major equipment and instrumentation, including valves, pressure gauges, NSF certification of materials, coatings/linings, and structural calculations. The initial submittal shall contain a listing additional system materials and equipment omitted and a schedule for submission of the remaining submittals. The submittal shall be tabbed to clearly delineate the various materials and equipment by section.

Mechanical and process and instrumentation drawings must be submitted in both PDF and **Autocad electronic format** . The drawings shall be developed to the specific requirements of this RFP, supplier off-the-shelf standard model drawings will not be acceptable.

Included in the allowed time shall be a 7-calendar day period for OWNER to review the equipment submittal. The successful BIDDER shall work with OWNER's design engineer during design and OWNER's construction contractor during installation to coordinate layout, instrumentation and controls equipment selection, delivery schedule, and proper installation. In addition, as part of the design process, the successful BIDDER must furnish all necessary design information, plans and specifications for the equipment design prior to the start of manufacturing.

The treatment system design shall include recommended layouts of the equipment, a suggested control strategy, and process and instrumentation diagrams P&IDs for the equipment, which shall clearly show all process piping and valves required for operation of each individual system. The P&IDs shall clearly identify the limits of the equipment to be supplied by the treatment system manufacturer and the scope of work and supply for the installation contractor. The successful

BIDDER shall procure or fabricate any system components without a reviewed and approved submittal from OWNER and its design engineer.

The successful BIDDER must include a warranty of materials and workmanship for the treatment system for a period of one year from the date of OWNER acceptance of the equipment or 24 months from the date of delivery of all equipment. The successful BIDDER shall include drawings in AutoCAD and PDF format with sufficient detail for construction and assembly of all supplied equipment. The system configuration shall be compatible with adjoining piping and equipment. Flanged connection points for the raw water supply, treated water discharge, and other connections shall be identified for use by OWNER in preparing the site design. The system must be designed to conform to the physical criteria listed above in the Background Information, including all connections to support systems and foundations. The system design must also comply with all applicable codes and standards (e.g. piping and connections, materials, anchorage, electrical, etc.).

Warranty and Guaranty:

Warranty and Guarantee Definitions:

"Breakthrough" shall be defined as the point in time when a single IX treatment system vessel effluent water quality changes from non-detect to detect for PFAS in measurements.

"Early breakthrough" of PFAS shall be defined as the detection PFAS in the effluent of a single IX treatment vessel prior to the BIDDER's guaranteed treatment capacity in terms of treated IX bed volumes, in units of gallons treated.

Water quality data collected by the OWNER from the well sites provides PFAS measurements from recent years and is included as Appendix-A of this RFP. The BIDDER shall utilize the water quality data, in part, to determine their treatment system configuration in a manner to meet treatment requirements of this RFP.

Influent water to the IX treatment system will be pretreated using cartridge filters to be supplied and installed by OWNER's installation general contractor. The pretreatment filters will protect the IX system from unwanted particles or solids greater than 5 micron in size.

The BIDDER shall provide a IX Treatment Capacity Performance Guarantee on meeting a treatment capacity of no early breakthrough of PFAS in any one of the supplied IX vessels at the rated capacity at up to a 2,000 gpm/vessel maximum flowrate in terms of the number treated bed volumes of water.

The BIDDER shall base the PFAS breakthrough point estimate in terms of treated bed volumes conservatively referring to water quality analysis reports data provided with this RFP and the capabilities of their treatment system design. The BIDDER shall provide a written and notarized IX Treatment Capacity Performance Guarantee of the number of treated bed volumes of groundwater (in gallons) before breakthrough occurs for a single treatment vessel requiring PFAS selective resin media replacement.

Table-1 lists PFAS species select water quality data from 2022 to 2024 for the offsite Well 8, and the onsite Well 10 and Well 11 from the Appendix-A water quality data. The BIDDER is

responsible for reviewing all water quality data in Appendix-A and should not rely solely on the select data in Table-1.

RFP Table-1
LHHCWD Water Quality Data
Select Water Quality Data 2022 - 2024

	CA1910218_005_005 Well 8 5/16/2022	CA1910218_005_005 Well 8 4/24/2023	CA1910218_005_005 Well 8 11/13/2023	CA1910218_005_005 Well 8 4/9/2024	CA1910218_005_005 Well 8 7/9/2024
PFBA	nd	10.0	9.3	10.0	9.8
PFBS	7.9	7.6	7.6	6.6	8.9
PFHxA	3.5	4.2	nd	8.00	10.0
PFHxS	3.4	4.2	3.5	2.4	3.8
PFNA	2.4	2.7	2.3	nd	2.0
PFOA	9.3	8.7	7.6	8.2	10.0
PFOS	22.0	20.0	17.0	13.0	16.0
PFPeA	nd	5.2	9.9	10.0	13.0
PFHpA	nd	nd	1.9	2.1	2.3

* ppt

	CA1910218_005_005 Well 8 Max	Min	Avg
PFBA	10.0	6.6	9.8
PFBS	8.9	3.5	7.7
PFHxA	10.0	2.4	6.4
PFHxS	4.2	2.0	3.5
PFNA	2.7	7.6	2.4
PFOA	10.0	13.0	8.8
PFOS	22.0	5.2	17.6
PFPeA	13.0	1.9	9.5
PFHpA	2.3	0.0	2.1

* ppt

	CA1910218_009_009 Well 10 5/16/2022	CA1910218_009_009 Well 10 4/24/2023	CA1910218_009_009 Well 10 11/13/2023	CA1910218_009_009 Well 10 4/9/2024	CA1910218_009_009 Well 10 7/9/2024
PFBA	nd	9.7	9.8	11.0	11.0
PFBS	6.8	7.0	7.3	8.1	8.1
PFHxA	3.2	4.4	6.0	6.6	6.9
PFHxS	5.0	4.9	4.8	4.8	5.1
PFNA	2.6	2.8	2.6	2.8	2.1
PFOA	11.0	11.0	11.0	13.0	12.0
PFOS	29.0	27.0	25.0	27.0	24.0
PFPeA	nd	5.7	7.8	8.6	9.2
PFHpA	nd	1.8	1.8	2.4	2.2

* ppt

	CA1910218_009_009 Well 10 Max	Min	Avg
PFBA	11.0	6.8	10.4
PFBS	8.1	3.2	7.5
PFHxA	6.9	4.8	5.4
PFHxS	5.1	2.1	4.9
PFNA	2.8	11.0	2.6
PFOA	13.0	24.0	11.6
PFOS	29.0	5.7	26.4
PFPeA	9.2	1.8	7.8
PFHpA	2.4	0.0	2.1

* ppt

	CA1910218_010_010 Well 11 5/16/2022	CA1910218_010_010 Well 11 4/24/2023	CA1910218_010_010 Well 11 11/13/2023	CA1910218_010_010 Well 11 4/9/2024	CA1910218_010_010 Well 11 7/9/2024
PFBA	nd	10.0	7.6	9.0	9.3
PFBS	6.6	6.6	5.6	7.0	7.7
PFHxA	1.8	4.9	5.9	6.8	7.6
PFHxS	4.5	4.4	4.7	4.4	5.5
PFNA	2.6	2.8	2.1	2.5	2.6
PFOA	12.0	12.0	11.0	12.0	13.0
PFOS	34.0	31.0	30.0	26.0	30.0
PFPeA	nd	6.7	7.00	nd	9.1
PFHpA	1.8	1.9	nd	2.1	2.3

* ppt

	CA1910218_010_010 Well 11 Max	Min	Avg
PFBA	10.0	5.6	9.0
PFBS	7.7	1.8	6.7
PFHxA	7.6	4.4	5.4
PFHxS	5.5	2.1	4.7
PFNA	2.8	11.0	2.5
PFOA	13.0	26.0	12.0
PFOS	34.0	6.7	30.2
PFPeA	9.1	1.8	7.6
PFHpA	2.3	0.0	2.0

* ppt

All on-site and off-site wells can be directed to the new IX treatment system in any combination, with a maximum flowrate to the IX treatment system of 6,000 gpm. Therefore the concentration of PFAS in the IX treatment system influent will vary depending the configuration of operating wells. In determining the PFAS IX treatment system design, at a minimum the BIDDER shall consider up to a 20% increase in PFAS species levels in the groundwater could occur, in conjunction with the maximum water quality data provided in this RFP.

Early breakthrough of PFAS through a single treatment vessel shall be warranted for the guaranteed treatment capacity of resin bed volumes (in gallons) after acceptance of the treatment system installation by OWNER. All costs for inspections, meetings, or additional materials, PFAS selective resin media, or equipment and labor to resolve an early breakthrough failure and bring the IX vessel(s) back into treatment compliance with project PFAS removal goals, shall be at the expense of the BIDDER.

Post-acceptance of the treatment facility by OWNER and upon notification by OWNER of early breakthrough occurring on a treatment vessel(s), the BIDDER shall promptly coordinate a visit to the site and evaluate the subject treatment vessel(s). The BIDDER shall prepare a written report to OWNER of the site visit findings and provide recommendations to bring the treatment vessel back in compliance with project PFAS removal goals.

The BIDDER's treatment system guarantees and warrantees shall be provided on company letterhead and signed by authorized officer of the BIDDER. During the guarantee period, if any part or equipment component is defective or fails to perform when operating at design conditions, the BIDDER shall repair or exchange such defective part(s).

Task-1 Deliverables:

1) Design and equipment/material submittals for review and resubmittals.

2) Autocad dimensioned and scaled drawings of mechanical components and P&IDs including:

i. Plan view

ii. Isometric view

iii. Section view right

iv. Section view left

v. Section view front

vi. Section view back

vii. Anchoring details vessels

viii. Anchoring details valve tree

3) Equipment and materials submittals

4) Anchoring calculations and design drawings for vessels and pipe/valve tree support stamped by a Professional Engineer registered in California

5) Equipment delivered to the job site:

a. Ready to assemble PFAS 6,000 GPM rated IX treatment system

b. Instrumentation:

i. Three (3) 12-inch flanged magnetic flow meters

ii. DP transmitters (one per vessel, 6 total)

6) Approved PFAS selective resin media to fill vessels and with sufficient excess to account for startup and testing losses

7) Notarized BIDDER's IX Treatment Capacity Performance Guarantee in terms of treated bed volumes of water prior to breakthrough of PFAS occurring

8) BIDDER's Treatment System Warranty – 24 months from installation startup

9) BIDDER plan to provide equipment, materials, and labor for installation of the BIDDER provide PFAS selective resin.

Task No. 2: Field Support During Delivery and Installation

The successful BIDDER shall provide field support and general oversight of the loading, delivery, and installation of the equipment during construction of the facility. Field support will consist of a combination of site visits, virtual meetings, written and verbal instructions. Adequate field support must be provided to allow the BIDDER to certify the installation to be satisfactory and compliance with all warranty requirements. Any field issues or questions will be resolved to the satisfaction of OWNER. Field support shall include verification of proper handling, setting, and anchorage of the vessels, and general oversight of the delivery and installation. The successful BIDDER shall document all hours spent by the successful BIDDER in providing field support. A tabulation of hours shall be submitted to OWNER on a weekly basis.

Task-2 Deliverables:

1) Written instructions and diagrams to aid the OWNER's installation general contractor

2) Onsite technician field services to guide OWNER's installation contractor with delivery and assembly of the IX system

3) Weekly tabulations of work hours extended

Task No. 3: System Inspection, Startup and Testing

The BIDDER shall inspect the installed system and provide the OWNER letter stating the system installation complies with all warrantee requirements. The successful BIDDER shall provide field support and general oversight of the general contractor during the initial startup of the treatment system. Initial startup shall be conducted with PFAS selective resin media loaded in the vessels.

The field support shall assist in trouble shooting the system of any anonymous results. System startup support shall include both written and verbal instructions to the installation contractor, identifying slow filling rates of vessels, initial flush to waste, sampling, and trouble shooting. The successful BIDDER shall document all hours spent by the successful BIDDER in providing system startup field support. A tabulation of hours shall be submitted to OWNER.

Task-5 Deliverables:

1) Letter stating onsite inspection of the system complies with all warranty requirements.

2) Onsite technician field services to guide OWNER's installation contractor with startup and testing

3) The successful BIDDER will submit a startup and testing plan for OWNER review 1 week prior to testing.

Task No. 4: OWNER Operations Staff Training

Upon acceptance of the treatment system by OWNER, the successful BIDDER shall provide OWNER with 10 copies of Operation and Maintenance Manual in 3-ring binders acceptable to DDW for the system. The BIDDER shall revise the Operation and Maintenance Manual based on any DDW revision comments. The successful BIDDER will recommend and provide OWNER personnel with a training program and lead an 8-hour onsite training workshop that will adequately prepare facility operators to maintain compliance with the system warranty.

Task-5 Deliverables:

1) Operations and Maintenance Manuals

2) Onsite training session for OWNER operations staff

III. PAYMENT

Payment for the equipment and services furnished by the successful BIDDER will be paid in accordance with a payment schedule agreed to by the successful BIDDER and OWNER. Following approval of the successful BIDDER's Shop Drawings, **no more than 20%** of the total contract amount shall be paid to the successful BIDDER prior to the delivery of the equipment to the site, and **at least 10%** of the total contract amount shall be retained until OWNER furnishes written certification of satisfactory installation. A payment schedule shall be included in the proposal.

IV. QUESTIONS

If you have any questions regarding this RFP, please respond in writing to:

Steven Walker

Civiltec Engineering

440 N Mountain Ave #210

SWalker@Civiltec.com

Check List

The following bulleted items have been provided to supplement the specific requirements described in the RFP and are required in the proposal:

- Shop drawing requirements
- Manufacturer data sheets – Marked to indicate options features included
- Equipment details, size, materials of construction, height
- Total number of treatment vessels
- Shop painting requirements
- Electrical requirements
- Instrumentation requirements
- Installation requirements
- Field testing requirements
- Field services required
- Operator training required
- Warranty requirements
- O&M manual requirements
- Shipping and storage requirements
- Fabrication and delivery schedule
- Delivered cost

V. SELECTION PROCESS

The evaluation of proposals and the selection of a BIDDER will be based upon the following criteria (not in order of priority):

1. Capability of BIDDER to perform all tasks.

2. Documented experience on similar projects.

3. Results of reference checks.

4. BIDDER's price to perform the work.

5. BIDDER's schedule to complete the work.

6. Demonstrated record of performance by BIDDER on similar work previously performed on other projects.

7. Demonstrated record of actual estimated costs for the proposed equipment.

8. Demonstrated record of the performance of the proposed treatment system.

9. Documented DDW permitability. OWNER reserves the right to reject any and all proposals. Proposals shall be valid for at least 90 calendar days.

10. BIDDER's bed volume guarantee.

11. BIDDER documented compliance with BABAA requirements and Federal acceptance of proposal meeting BABAA funding requirements.

VI. BID SCHEDULE

LHHCWD Well 10 & 11 PFAS IX Treatment System

Bidder's representation section: Bidder is familiar with all laws and regulations that may affect cost, progress, and performance of the work, including BABAA requirements.

Item No. 1: IX PFAS Treatment System

IX system equipment including three (3) lead/lag systems valves and lead/lag manifold (Valve Tree), pre-fabrication coordination of submittals and reviews, Autocad electronic mechanical and P&ID drawings, instrumentation equipment, DP transmitters, magnetic flow meters, valves, and appurtenances, anchoring design and calculations, provide BIDDER's IX Treatment System Capacity Performance Guarantee and Treatment System Warranty, delivery, coordination with OWNER's installation general contractor, installation inspection and letter verifying installation complies with warranty requirements. BIDDER to provide PFAS selective resin and equipment, materials, and labor to install the resin media into the treatment vessels.

PFAS Treatment System	$
Guaranteed Treatment Capacity Prior to Break Through (million gallons)	

Item No. 2: Field Support During Delivery and Installation

Construction Support, Media Installation Assistance	$
Hours (specify)	

Item No. 3: System Startup and Testing

System Installation Inspection, Media Installation Assistance,	$
Hours (specify)	

Item No. 4: OWNER Operations Staff Training

Owner Operations Staff Training	$
Hours (specify)	
Provide 10 copies of an O&M Manual	

Total of Items 1 through 4

BIDDER's Total Price	$

BIDDER's brochure or full resumes of key personnel shall be included in an appendix. The BIDDER's designated representative shall be identified. Replacement of the designated representative must be approved by OWNER. The appendix is not included in the 15-page proposal limitation.

BIDDERS SIGNATURE PAGE

The undersigned BIDDER certifies that he/she has fully reviewed the RFP, has fully responded to each of the items listed, and is fully prepared to enter into a binding agreement with OWNER, consistent with the information provided in the RFP.

BIDDER

_____

Authorized Representative

_____

Title

_____

Date

VII. APPENDIX MATERIAL

BABAA GUIDANCE

Instructions for Submitting Build America Buy America Act Certifications

The Made in America Office of the OMB has established evidentiary recommendations to substantiate compliance with BABAA. The following instructions present those requirements allowing the designated parties to provide tailored certifications of their compliance to the specifics of the iron, steel, manufactured products, or construction materials under consideration.

INSTRUCTIONS FOR SUBMITTING A BABAA COMPLIANCE CERTIFICATION

Notes to User: Following are instructions to enable the "Contractor," "Subcontractor," "Seller," Or "Material Supplier," to produce a valid certification of compliance with Build America, Buy America Act domestic preference requirements. A certification should be provided to the Owner and Agency.

The following are to be carried out by an individual(s) with the necessary knowledge of the composition, fabrication and pricing of all Iron, Steel, Manufactured Products, and Construction Materials installed on the project.

BABAA Compliance Certification Checklist:

Step 1: Preparation

The "Contractor," "Subcontractor," "Seller," Or "Material Supplier," should collect country-of-origin information on all the materials and components of products. For those elements and items not satisfying the BABAA requirement, separate requests for BABAA waivers must be submitted.

Step 2: Assemble the Data

Create a table containing the country-of-origin for all materials and components of products employed in the project. Immediately below the material and product country-of-origin table, place the authorized and knowledgeable individual(s) signatory space and date over their printed name(s). Below each signature should appear the title of the certifying individual(s), the company's name, and the contact information including a telephone number and email address at which the individual(s) may be reached.

Step 3: Documentation

Prepare a document, either paper or electronic, on the letterhead of the company titled "BABAA Compliance Certification". Include the project designation in the second line. Then insert the following statement:

I hereby certify that to the best of my knowledge and belief all Iron, Steel, Manufactured Products, and Construction Materials installed on this project by my company and by any and all subcontractors and

suppliers for this project comply with the Build America, Buy America Act (BABAA) requirements of the Infrastructure Investment and Jobs Act of 2021 (Pub. L. 117- 58, §§ 70901-70953), or are the subject of a waiver approved by the Secretary of Agriculture or designee.

Step 4: Compilation

The information tabulated in step 2, Assemble the Data, for all materials and components of products employed in the project should then be inserted.

Step 5: Certifying

After compiling all information and documentation, each certifying individual(s) provides wet signature and date.

REQUIRED FORMS

AMERICAN IRON AND STEEL CERTIFICATION

1. Identification of American-made Iron and Steel Products: The Respondent certifies that this Proposal reflects the Respondent's best, good faith effort to identify domestic sources of iron and steel products for every component contained in the Proposal solicitation where such American-made components are required. The term "iron and steel products" means the following products made primarily of iron or steel - lined or unlined pipes and fittings, manhole covers and other municipal castings, hydrants, tanks, flanges, pipe clamps and restraints, valves, structural steel, reinforced precast concrete, and construction materials.

2. Verification of U.S. Production: If this Proposal is accepted, the Respondent agrees that it will provide, to the District, reasonable, sufficient, and timely verification of the U.S. production of each Iron and Steel Product incorporated into the Project.

3. Documentation Regarding Non-American-made Iron and Steel: The Respondent certifies that for any Iron or Steel Product that is not American-made but was incorporated in the development of this Proposal, is allowed by waiver of the U.S. Environmental Protection Agency and such waiver is attached to this certification.

4. Warranty of Respondent: The Respondent hereby represents and warrants to and for the benefit of District that (a) Respondent has reviewed and understands the American Iron and Steel Requirement, and (b) if the Proposal is selected, all of the iron and steel products used in the project will be produced in the United States in a manner that complies with the American Iron and Steel Requirement.

Proposals requiring and/or requesting a waiver will be not be considered for acceptance under this RFP.

Signature: _____

Name (Printed): _____

and Title (Printed): _____of Signer (Please Print)

Dated: _____

For more information:

http://water.epa.gov/grants_funding/aisrequirement.cfm

RESPONDENT'S LIST

Respondent is required to provide the following information for all DBE and non-DBE subcontractors, who provided a proposal, bid, quote, or were contacted by Consultant. This information must be submitted with the bid.

Firm Name:_____ Phone:_____

Business Address:_____ Fax:_____

Email:_____

License No. and Classification:_____ Years in Business:_____

Contact Person: _____

Is the firm currently certified as a DBE? □ No □Yes Cert. Number: :_____

Type of work/ services/ materials proposed by Respondent:

_____

_____

Amount of Bid/Quote:_____

Date of Bid/Quote:_____

If sub is a DBE subconsultant, and not selected, provide an explanation:

_____

_____

GOOD FAITH EFFORTS

GUIDANCE PACKET

DRAFT 12.03 2024

The Good Faith Efforts (GFEs) guidance contained in this section is a tool provided to assist prime consultants and contractors in the outreach, education, and objectives designed to increase the participation of Disadvantaged Business Enterprises (DBEs). Good Faith Efforts begin prior to the bid submission and must continue throughout the life of the contract, if awarded.

EVMWD is required to complete and ensure that the prime contractor or consultant complies with GFE requirements. GFEs are required if subcontractors and/or subconsultant services will be used at any time throughout the project. Please review the information contained in the Good Faith Efforts' section to assist with compliance.

GFE #1 - Solicitation List and Proof of Solicitation Outreach.

Ensure Disadvantaged Business Enterprises (DBEs) are fully made aware of contracting opportunities practical through outreach and recruitment activities. For Tribal, State and Local Government Recipients, this will include placing DBEs on solicitation lists and soliciting them whenever they are potential sources.

Requirements:

- **Solicitation Search List** - Provide the solicitation search list for each subcontractor and/or subconsultant discipline that will be used for the project. (websites: DOT, SBA, CUCP)

- **Proof of Solicitation** - Provide proof of solicitation (for example, email, phone records with a summary, etc.) to at least three (3) subcontractors and/or subconsultants for each NAICS category or discipline. **Dates of solicitation must be included.**

GFE #2 - Local Newspaper Advertisement.

Make information on forthcoming opportunities available to DBEs by posting solicitations for bids or proposals at least once 30 calendar days prior to the bid opening or proposal due date in a local newspaper.

Requirements:

- A minimum of one (1) advertisement 30 calendar days prior to the bid opening or proposal due date in the local newspaper.
- The newspaper advertisement must be advertised in a **local** newspaper.

GFE #3 - Use the SBA and/or MBDA Services.

Primes are required to use the services of the SBA and/or Minority Business Development Agency (MBDA) of the US Department of Commerce.

Requirements:

- Proposer must provide documentation of the use of the services of the Minority Business Development Agency (MBDA) and/or the Small Business Administration (SBA) at least 30 calendar days prior to the bid or proposal due date.

- Proof of outreach on MBDA and/or SBAwith the date of outreach included in the proof.
- Outreach must have occurred at a minimum of 30 calendar days prior to bid or proposal due date.

GFE #4 - Consider Contracting with Disadvantaged Business Enterprises (DBEs).

Consider in the contracting process whether firms competing for large contracts could subcontract with DBEs.

GFE #5 - Encouragement to Contract with DBEs.

Encourage contracting with a group of DBEs when a contract is too large for one firm to handle individually.

GFE #6 - Completion of all Good Faith Efforts.

If the Prime awards subcontracts, the Prime is required to take all of the above steps.

REQUIRED FORMS

Disadvantaged Business Enterprise (DBE) Guidelines and Forms.
Attached hereto in "Required Forms" if a DBE sub will be contracted.

DBE Subcontractor Forms are required when a DBE subconsultant and/or subcontractor is hired by the Prime to assist with the project.

Forms Required If using a DBE subcontractor and/or subconsultant):

- FORM 4500-2 (DBE Subcontractor Participation Form)
- FORM 4500-3 (DBE Subcontractor Performance Form)
- FORM 4500-4 (DBE Subcontractor Utilization Form)

The completed forms must be submitted with each Bid or Proposal for each DBE subconsultant and/or subcontractor.

Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Participation Form

A Financial Assistance Agreement Recipient must require its prime contractors to provide this form to its DBE subcontractors. This form gives a DBE[1] subcontractor[2] the opportunity to describe work received and/or report any concerns regarding the funded project (e.g., in areas such as termination by prime contractor, late payments, etc.). The DBE subcontractor can, as an option, complete and submit this form to the DBE Coordinator at any time during the project period of performance.

Subcontractor Name	Project Name	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact
Address		
Telephone No.	Email Address	
Prime Contractor Name	Issuing/Funding Entity	

Contract Item Number	Description of Work Received from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Amount Received by Prime Contractor

[1] A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

[2] Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

Please use the space below to report any concerns regarding the above funded project:

Subcontractor Signature	Print Name
Title	Date

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

Send completed Form 4500-2 to:
Mr. Joe Ochab, DBE Coordinator
US EPA, Region 9
75 Hawthorne Street
San Francisco, CA 94105

FORM 4500-2 (DBE Subcontractor Participation Form)

Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form

This form is intended to capture the DBE[1] subcontractor's[2] description of work to be performed and the price of the work submitted to the prime contractor. A Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package.

Subcontractor Name	Project Name	
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact
Address		
Telephone No.	Email Address	
Prime Contractor Name	Issuing/Funding Entity	

Contract Item Number	**Description of Work Submitted from the Prime Contractor Involving Construction, Services, Equipment or Supplies**	**Price of Work Submitted to the Prime Contractor**
DBE Certified By: _ DOT _ SBA Other: _____	Meets/exceeds EPA certification standards? YES NO Unknown	

[1] A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

[2] Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
Title	Date

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Utilization Form

This form is intended to capture the prime contractor's actual and/or anticipated use of identified certified DBE[1] subcontractor's[2] and the estimated dollar amount of each subcontract. A Financial Assistance Agreement Recipient must require its prime contractors to complete this form and include it in the bid or proposal package. Prime contractors should also maintain a copy of this form on file.

Prime Contractor Name		Project Name
Bid / Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact
Address		
Telephone No.		Email Address
Issuing/Funding Entity		

I have identified potential DBE certified subcontractors. YES NO

If *yes*, please complete the table below. If *no*, please explain:

Subcontractor Name/ Company Name	**Company Address / Phone / Email**	**Estimated Dollar Amount**	**Currently DBE Certified?**

--Continue on back if needed--

[1] A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.2015 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

[2] Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an award of financial assistance.

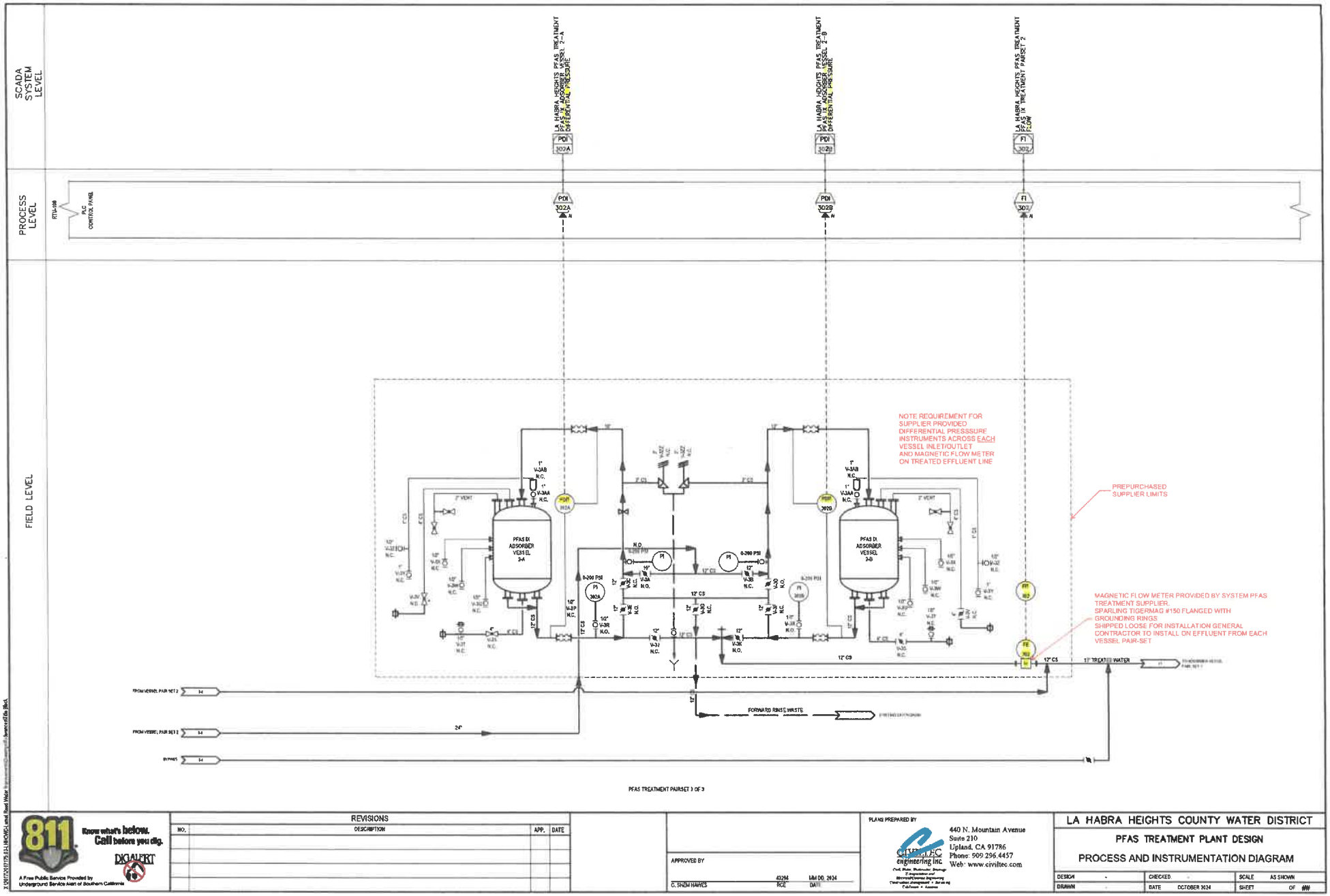
I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

The public reporting and record keeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Do not send the completed form to this address.

FORM 4500-4 (DBE Subcontractor Utilization Form)

IX SYSTEM P&ID



811 Know what's below. Call before you dig. DIGALERT

A Free Public Service Provided by Underground Service Alert of Southern California

REVISIONS			
NO.	DESCRIPTION	APP.	DATE

APPROVED BY

C. SHEM HAWES — 43294 RCE — MM DD, 2024 DATE

PLANS PREPARED BY

CIVILTEC engineering inc.

440 N. Mountain Avenue
Suite 210
Upland, CA 91786
Phone: 909.296.4457
Web: www.civiltec.com

LA HABRA HEIGHTS COUNTY WATER DISTRICT

PFAS TREATMENT PLANT DESIGN

PROCESS AND INSTRUMENTATION DIAGRAM

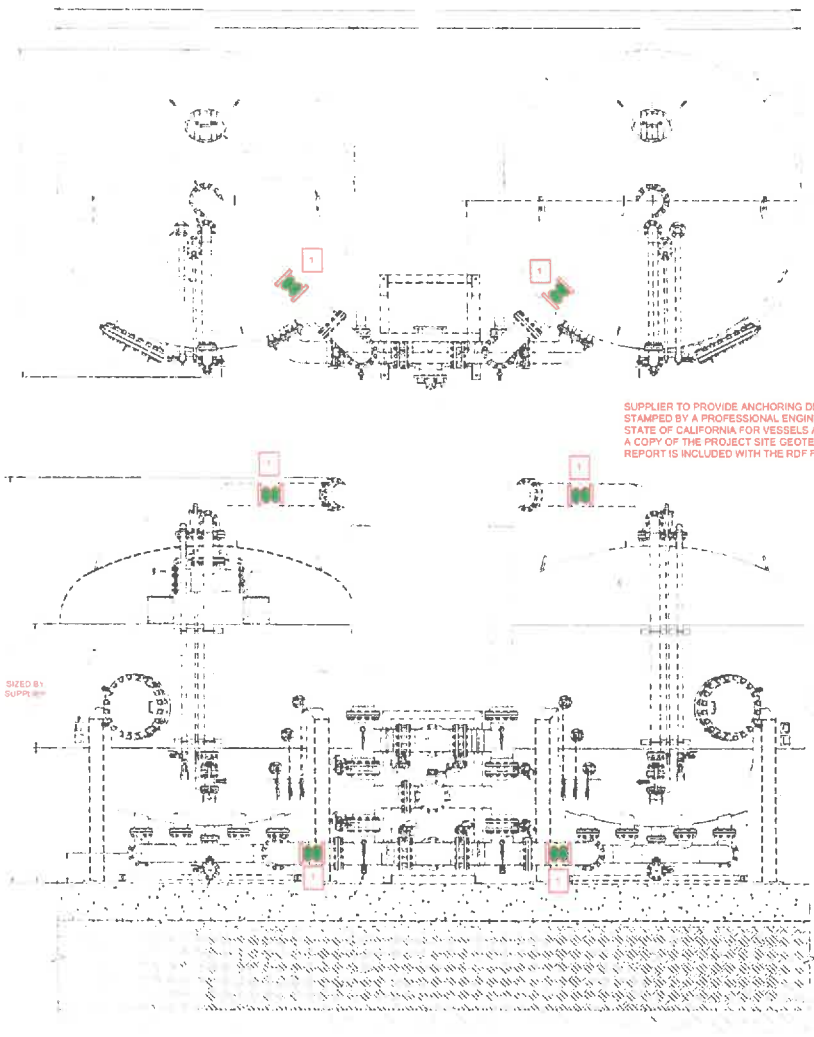
DESIGN	-	CHECKED	-	SCALE	AS SHOWN
DRAWN	-	DATE	OCTOBER 2024	SHEET	OF ##

IX SYSTEM LAYOUT AND SECTIONS

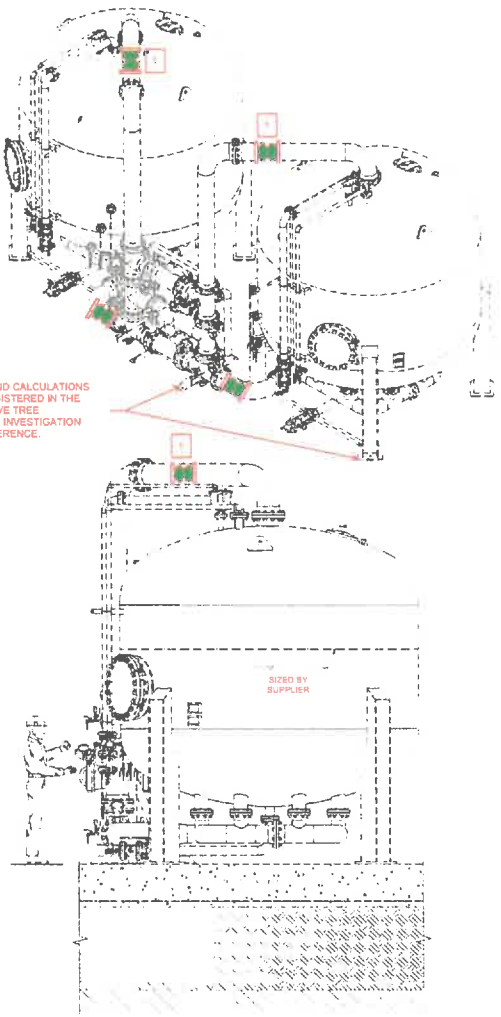
KEY NOTES

1 PROVIDE FLANGED MOLDED SPHERICAL EXPANSION JOINTS WITH CONTROL RODS. PROCO STYLE 242 OR APPROVED EQUAL

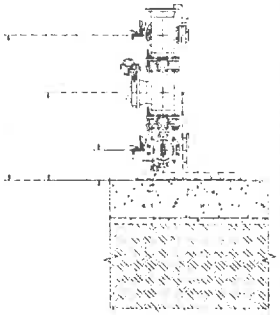
SUPPLIER TO PROVIDE ANCHORING DESIGN AND CALCULATIONS STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA FOR VESSELS AND VALVE TREE
A COPY OF THE PROJECT SITE GEOTECHNICAL INVESTIGATION REPORT IS INCLUDED WITH THE RDF FOR REFERENCE.



ELEVATION



VIEW A–A



LEGEND

811 Know what's below. Call before you dig. DIGALERT
A Free Public Service Provided by Underground Service Alert of Southern California

REVISIONS

NO.	DESCRIPTION	APP.	DATE

APPROVED BY

C. SHEMWELL RCE 43294 DATE MAY 20, 2024

PLANS PREPARED BY

Civiltec engineering inc
460 N. Mountain Avenue
Suite 210
Upland, CA 91786
Phone: 909.296.4457
Web: www.civiltec.com

LA HABRA HEIGHTS COUNTY WATER DISTRICT

PFAS TREATMENT PLANT DESIGN

IX VESSELS AND SECTIONS

DESIGN	-	CHECKED		SCALE	AS SHOWN
DRAWN	-	DATE	OCTOBER 2024	SHEET	OF ###

DISCUSS AND ACTION – INVESTMENT INTO WELLS FARGO MONEY MARKET ACCOUNT

LA HABRA HEIGHTS COUNTY WATER DISTRICT

MEMORANDUM

DATE: DECEMBER 17, 2024

TO: BOARD OF DIRECTORS

FROM: JOE MATTHEWS, SECRETARY/GENERAL MANAGER

SUBJECT: INVESTING IN WELLS FARGO MONEY MARKET ACCOUNT

As requested below is what we discovered using a sweep account at the District's bank, Wells Fargo Bank:

	Rate as of 12/9/24	Dollars
Sweep Account:	4.48%	$5,404.39
Earnings Allowance:	1.65%	1,589.76
Net:	2.83%	$3,814.63

Sweep Account Analysis (estimated)	$1,092.82
Actual Analysis Charges (average past 12 months):	$ 834.22
Net Increased Analysis Charges	$ 258.60

Implementing the Sweep Account will cost monthly an additional $347.60. There are reductions in some other analysis costs which nets to $258.60. Overall, there is a net positive effect on interest earnings.

LAIF November rate is $4.477%.

The District will need a minimum of $1,000,000 to use the Government Money Market Fund Sweep Account. See attached information.

Wells Fargo Bank will manage sweeping the full balance of the bank account into the sweep account on a daily basis. This may require additional staff time in reconciling the bank account as there will be more transactions to review on the bank statement.

DISCUSS AND ACTION – APPROVE INCREASE IN 2024/2025 SALARY SCHEDULE

LA HABRA HEIGHTS COUNTY WATER DISTRICT

MEMORANDUM

DATE: **DECEMBER 17, 2024**

TO: **BOARD OF DIRECTORS**

FROM: **JOE MATTHEWS, SECRETARY/GENERAL MANAGER**

SUBJECT: **INCREASE FISCAL YEAR 2024/2025 TOTAL SALARIES**

The Board approved Fiscal Year 2024/2025 salary schedule stipulated the total salaries for the District was not to exceed $1,092,000. We have an opportunity to hire a qualified candidate in the field, but the remaining total salary budget requires an increase in total District salary, however, no increase in the individual salary schedule.

I am asking for an additional $13,500 in total salary, making the new total District salary not to exceed $1,105,500. I have attached the 2024/2025 salary schedule for reference.

EXHIBIT "A"
LA HABRA HEIGHTS COUNTY WATER DISTRICT
Monthly Salary Schedule
Fiscal Year 2024 – 2025

Management Personnel

	Minimum	Median	Maximum
General Manager	13068	14878	16688
Treasurer/Office Manager	11041	12748	14454
Superintendent	10397	12003	13608

Hourly Personnel

	Minimum	Median	Maximum
Utility Worker III	7263	8385	9507
Utility Worker II	6081	7020	7958
Utility Worker I	5062	5845	6627
Management Assistant/ Accountant	6214	7174	8133
Customer Service/ Accounting Clerk	5340	6166	6991

5% increase for Grade 2 Treatment State Certification for Utility Worker I, Management Assistant/Accountant, and Customer Service/Accounting Clerk