

LA HABRA HEIGHTS COUNTY
WATER DISTRICT

BOARD MEETING

JULY 11, 2023

**AGENDA FOR REGULAR MEETING
BOARD OF DIRECTORS
LA HABRA HEIGHTS COUNTY WATER DISTRICT
July 11, 2023 @ 4:00PM**

- 1. Roll call of Directors by Secretary**
- 2. Notation of staff members and others present**
- 3. Employee 20 Year Recognition – Michelle Perez and Dale Snooks**
- 4. Public Communications** (Comments will be limited to 3 minutes)
- 5. Directors Report – Individual, Subcommittees and/or Attended Events**
- 6. 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 Special Meeting for May 16, 2023 and Minutes of Regular Board meeting for May 23, 2023 (approve)
 - b. Financial Reports – May 2023 (approve)
- 7. Approval of warrants and authorize signatures per warrant list**
- 8. Report of Superintendent**
- 9. Report and recommendations of General Manager:**
 - a. Discuss and Action – Fire Flow Simulation Test
 - b. Discuss and Approve – Purchasing Central Basin Water Rights
 - c. Discuss and Adopt – Resolution 23 – 05, Fiscal Year 2023/2024 Salary Schedule
 - d. Discuss and Approve – SB 552, Water Contingency Plan

e. Discuss and Approve – “H2O Pipeline” Summer 2023

10. Closed Session

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).

11. 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 SPECIAL BOARD MEETING
OF THE BOARD OF DIRECTORS
LA HABRA HEIGHTS COUNTY WATER DISTRICT
MAY 16, 2023

A special meeting of the Board of Directors of La Habra Heights County Water District was held on May 16, 2023, at 6:00 p.m., at the City of La Habra Heights, located at 1245 North Hacienda Road, La Habra Heights.

Item 1. Roll call of Directors by Secretary/General Manager, Michael Gualtieri.

PRESENT: Directors Baroldi, Cooke, Crabb, and McVicar

ABSENT: Director Perumean

Item 2. Staff members and others present. Staff: Michael Gualtieri, Secretary/General Manager, Tammy Wagstaff, Treasurer, and Joe Matthews, Superintendent. Others present: Michael Silander, Attorney at Law, David Byrum, Civiltec Engineering Inc., and Habib Isaac, IB Consulting, LLC.

Item 3. Presentation Water Cost-of-Service Rate Study, Proposed Five Year Rate. Habib Isaac, with IB Consulting, LLC provided a presentation regarding the Water Cost-of-Service Rate Study.

Item 4. Public Comments:

President Cooke opened the public hearing for comments, questions, and answers on the proposed Water Cost-of-Service Rate Study. There were comments from eight different residents.

The public hearing was closed at 7:10 p.m.

Item 5. Discuss and Approve - Fiscal Years 2023/2024 through 2027/2028 Rate Increase. The Secretary/General Manager stated that there were 18 protest letters received. After discussion, there was a motion by Director McVicar and seconded by Director Crabb to approve, fiscal years 2023/2024 through 2027/2028 rate increase. The vote was as follows:

AYES: Directors Baroldi, Cooke, Crabb, and McVicar

NOES: None

ABSENT: Director Perumean

Item 6. Report of Individual Directors. None

Item 7. There being no further business to come before the Board, motion was made by Director Cooke and seconded by Director McVicar that the meeting be adjourned at 7:19 p.m. Vote was as follows:

AYES: Directors Baroldi, Cooke, Crabb, and McVicar

NOES: None

ABSENT: Director Perumean

Dated: July 11, 2023

Brad Cooke, President

(SEAL)

Michael Gualtieri, Secretary

MINUTES OF THE REGULAR BOARD MEETING
OF THE BOARD OF DIRECTORS
LA HABRA HEIGHTS COUNTY WATER DISTRICT
MAY 23, 2023

A regular meeting of the Board of Directors of La Habra Heights County Water District was held on May 23, 2023, at 4:01 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, Michael Gualtieri.

PRESENT: Directors Cooke, Crabb, and McVicar

ABSENT: Director Baroldi and Perumean

Item 2. Staff members and others present. Staff: Michael Gualtieri, Secretary/General Manager, Tammy Wagstaff, Treasurer, and Joe Matthews, Superintendent. Others present: Michael Silander, Attorney at Law, Ron Wilson, Maggie Moe, Rodolfo Cortez, Lee Squier and Joey from Downey.

Item 3. Public Communications –

Lee Squier discussed budget and Central Basin Municipal Water District.

Ron Wilson discussed Central Basin Municipal Water District.

Maggie Moe discussed AB1794 and Central Basin Municipal Water District.

Joey from Downey discussed Central Basin Municipal Water District.

Rodolfo Cortez discussed Central Basin Municipal Water District.

(Director Baroldi entered the meeting at 4:15 p.m.)

Item 4. Directors Report – Individual, Subcommittees and/or Attended Events. -
None

Item 5. a. & b. Minutes of Regular meeting for April 25, 2023 and Financial Reports for April 2023 After discussion, there was a motion by Director McVicar and seconded by Director Baroldi to approve the minutes, and financial reports. The vote was as follows:

AYES: Directors Baroldi, Cooke, Crabb, and McVicar

NOES: None

ABSENT: Director Perumean

Item 6. Approval of warrants and authorize signatures per warrant list. After discussion, there was a motion made by Director McVicar and seconded by Director Crabb that the warrant numbers 46000 through 46055 in the amount of \$125,859.18 and EFT transfers in the amount of \$11,768.38 be approved and signatures be authorized. The vote was as follows:

AYES: Directors Baroldi, Cooke, Crabb, and McVicar

NOES: None

ABSENT: Director Perumean

Item 7. Report of Superintendent. The Superintendent informed that Delta Motors completed the repair of booster 2 motor at Plant 5. GJR Electric completed emergency work to replace the circuit breaker for booster 2 at Plant 1. The emergency generator manual transfer switch that was damaged when the circuit breaker overloaded was replaced. In addition, the District's State Water Resources Control Engineer conducts a sanitary survey/inspection of our system every five years. The District's State Engineer performed our latest Sanitary Survey the last week of April 2023.

Item 8.a. Discuss and Approve – Purchasing Central Basin Water Rights. This item was continued for the next scheduled board meeting.

Item 8.b. Discuss and Adopt – Resolution 23-04, Fiscal Year 2023/2024 Annual Budget. After discussion, there was a motion by Director McVicar and seconded by Director Baroldi to approve Resolution 23-04. The vote was as follows:

AYES: Directors Baroldi, Cooke, Crabb, and McVicar

NOES: None

ABSENT: Director Perumean

Item 8.c. Discuss and Approve 2023/2024 Fiscal Year Salary and Benefits. After discussion, there was a motion by Director Cooke and seconded by Director McVicar to approve a 5% cost of living increase not to exceed \$1,092,000 this does not include the transitional position for the field. The vote was as follows:

AYES: Directors Baroldi, Cooke, Crabb, and McVicar
NOES: None
ABSENT: Director Perumean

Item 9.a. Public Employee Performance Evaluation. Title Secretary/General Manager (Closed Session Pursuant to Government Code Section 54957.)
Closed session began at 5:45 p.m. and ended at 6:05 p.m.

After discussion, there was a motion by Director Cooke and seconded by Director McVicar to approve a 2% merit increase and a \$6,000.00 bonus. The vote was as follows:

AYES: Directors Baroldi, Cooke, Crabb, and McVicar
NOES: None
ABSENT: Director Perumean

Item 9.b. 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). This item was not discussed.

Item 10. There being no further business to come before the Board, motion was made by Director Cooke and seconded by Director McVicar that the meeting be adjourned at 6:33 p.m. Vote was as follows:

AYES: Directors Baroldi, Cooke, Crabb, and McVicar
NOES: None
ABSENT: Director Perumean

Dated: July 11, 2023

Brad Cooke, President

(SEAL)

Michael Gualtieri, Secretary

FINANCIAL REPORT

LA HABRA HEIGHTS COUNTY WATER DISTRICT

STATEMENTS OF NET POSITION

May 31, 2022 and May 31, 2023

	<u>2022</u>	<u>2023</u>
ASSETS:		
Current Assets:		
CASH-PETTY	300.00	300.00
CASH-CHECKING	1,588,240.50	1,226,398.01
INVESTMENT-LAIF	3,604,088.17	4,932,859.05
ACCOUNTS RECEIVABLE-WATER	416,291.49	342,152.59
ACCOUNTS RECEIVABLE-OTHER	272,472.26	265,691.74
TAXES RECEIVABLE	-	-
LEASE RECEIVABLE	-	127,183.86
ACCRUED INTEREST RECEIVABLE	2,667.00	24,166.00
INVENTORY	200,426.47	197,353.89
PREPAID EXPENSES	51,811.23	36,118.54
Total Current Assets	<u>6,136,297.12</u>	<u>7,152,223.68</u>
Noncurrent Assets:		
Capital Assets:		
LAND	532,743.65	532,743.65
WATER RIGHTS	1,608,490.80	1,640,490.80
SOURCE OF SUPPLY	2,271,079.60	2,271,079.60
PUMPING PLANT	1,625,877.77	1,637,877.77
TRANSMISSION & DISTRIBUTION	26,084,143.19	26,361,304.22
GENERAL PLANT	1,753,274.51	1,791,135.63
CONSTRUCTION IN PROGRESS	420,904.84	402,093.25
Total Capital Assets	<u>34,296,514.36</u>	<u>34,636,724.92</u>
Accumulated Depreciation	<u>(19,565,688.30)</u>	<u>(20,240,852.81)</u>
Net Capital Assets	<u>14,730,826.06</u>	<u>14,395,872.11</u>
Other Noncurrent Assets:		
CONSTRUCTION ADVANCE RECEIVABLE	19,677.43	9,960.19
INVESTMENTS-CAL DOMESTIC WATER CO	591.00	591.00
LEASE RECEIVABLE	-	2,288,462.34
Total Other Noncurrent Assets	<u>20,268.43</u>	<u>2,299,013.53</u>
Total Assets	<u>20,887,391.61</u>	<u>23,847,109.32</u>
DEFERRED OUTFLOWS OF RESOURCES- Deferred amount from pension plan	214,013.00	172,529.00
DEFERRED OUTFLOWS OF RESOURCES- Deferred amount from OPEB	<u>139,714.00</u>	<u>259,764.00</u>
Total Deferred Outflows of Resources	<u>353,727.00</u>	<u>432,293.00</u>

LA HABRA HEIGHTS COUNTY WATER DISTRICT

STATEMENTS OF NET POSITION

May 31, 2022 and May 31, 2023

	2022	2023
LIABILITIES		
<u>Current Liabilities:</u>		
ACCOUNTS PAYABLE	434,607.42	269,162.98
CURR PORTION-LONG TERM DEBT	59,938.00	61,359.75
ACCRUED INTEREST-CONTRACT PAYABLE-D/G	1,189.80	602.25
DEPOSITS-CUSTOMERS	1,000.00	6,000.00
DEPOSITS-CONSTRUCTION	620.00	7,000.00
ACCRUED PROPERTY TAXES	-	-
ACCRUED PAYROLL	-	-
ACCRUED EMPLOYEE BENEFITS	138,557.59	150,468.34
DEFERRED RENTAL INCOME	120,869.37	-
ACCRUED RETIREMENT CONTRIBUTIONS	-	-
NET OPEB OBLIGATION	1,455,020.00	1,706,103.00
NET PENSION LIABILITY	924,418.00	125,862.00
Total Current Liabilities	3,136,220.18	2,326,558.32
<u>Long-term Liabilities, net of current portion:</u>		
LOAN PAYABLE-STATE OF CALIF	58,294.87	-
Total Long-term Liabilities	58,294.87	-
Total Liabilities	3,194,515.05	2,326,558.32
DEFERRED INFLOWS OF RESOURCES- Deferred amounts from pension plan	60,916.00	140,358.00
DEFERRED INFLOWS OF RESOURCES- Deferred amounts from OPEB	451,487.00	385,809.00
DEFERRED INFLOWS OF RESOURCES- Deferred amounts from Leases	-	2,427,381.93
Total Deferred Inflows of Resources	512,403.00	2,953,548.93
<u>Net Position:</u>		
INVESTED IN CAPITAL ASSETS, NET RELATED DEBT UNRESTRICTED	14,612,593.19	14,334,512.36
UNRESTRICTED	2,901,929.94	4,654,822.52
RESTRICTED	19,677.43	9,960.19
Total Net Position	17,534,200.56	18,999,295.07

LA HABRA HEIGHTS COUNTY WATER DISTRICT
STATEMENTS OF REVENUE, EXPENSES AND CHANGES IN NET POSITION
For Eleven Months Ending May 31, 2022 and May 31, 2023

	Last Year Current Month Actual 5/31/2022	Current Month Actual 5/31/2023	Last Year YTD Actual 5/31/2022	Current YTD Actual 5/31/2023	Current Budget 2022/23	Actual 5/31/2023 % of budget 2022/23
Operating Revenue:	435,532.96	372,178.63	4,566,779.38	4,262,242.14	5,423,251.00	79%
Operating Expenses:						
Source of Supply	166,765.56	130,316.72	1,843,026.87	1,419,316.15	2,321,487.00	61%
Pumping	3,857.74	28,024.96	120,908.85	150,027.88	122,928.00	122%
Treatment	6,139.04	3,036.65	48,406.88	47,264.11	37,425.00	126%
Transmission & Distribution	95,488.58	42,951.65	645,246.86	606,574.41	597,780.00	102%
Customer Accounts	21,358.76	24,059.77	175,219.19	195,021.13	168,659.00	116%
Administrative and General	127,645.74	116,014.50	1,413,067.96	1,451,771.39	1,652,843.00	88%
Capital Improvements	110,598.41	129,275.08	1,216,582.51	1,422,025.88	1,551,301.00	92%
Other	6,580.55	7,230.70	79,077.13	83,566.03	89,851.00	93%
TOTAL OPERATING EXPENSES	538,434.38	480,910.03	5,541,536.25	5,375,566.98	6,542,274.00	82%
OPERATING INCOME (LOSS)	(102,901.42)	(108,731.40)	(974,756.87)	(1,113,324.84)	(1,119,023.00)	100%
Non-Operating Revenues	98,721.06	135,871.14	1,008,946.93	1,175,069.51	1,039,354.00	113%
Non-Operating Expenses	2,364.22	420.45	10,819.30	10,271.08	36,739.00	28%
NET NON-OPERATING REVENUES (EXPENSES)	96,356.84	135,450.69	998,127.63	1,164,798.43	1,002,615.00	116%
NET INCOME (LOSS) BEFORE CAPITAL CONTRIBUTIONS	(6,544.58)	26,719.29	23,370.76	51,473.59	(116,408.00)	-44%
SYSTEM BUY IN FEE			13,593.00	-		
CAPITAL CONTRIBUTIONS			4,410.55	5,245.75		
NET INCOME (LOSS) IN NET POSITION			41,374.31	56,719.34		
NET POSITION-BEGINNING OF YEAR			17,492,826.25	18,942,575.73		
NET POSITION-END OF PERIOD			17,534,200.56	18,999,295.07		

LA HABRA HEIGHTS COUNTY WATER DISTRICT

STATEMENTS OF REVENUE AND EXPENSES

For Eleven Months Ending May 31, 2022 and May 31, 2023

	Last Year Current Month Actual 5/31/2022	Current Month Actual 5/31/2023	Last Year YTD Actual 5/31/2022	Current YTD Actual 5/31/2023	Current Budget 2022/23	Actual 5/31/2023 % of budget 2022/23
OPERATING REVENUES						
SALES-WATER	258,409.66	180,316.06	2,604,553.30	2,144,465.62	3,139,278.00	68%
SALES-READINESS TO SERVE	174,441.91	189,061.93	1,929,290.03	2,078,290.72	2,226,733.00	93%
SALES-MISCELLANEOUS	2,681.39	2,800.64	32,936.05	39,485.80	28,366.00	139%
LEASE-WATER RIGHTS	-	-	-	-	28,874.00	0%
TOTAL OPERATING REVENUES	435,532.96	372,178.63	4,566,779.38	4,262,242.14	5,423,251.00	79%
OPERATING EXPENSES						
PURCHASED WATER	4,148.27	5,205.35	37,380.60	48,204.77	246,552.00	20%
GROUND WATER REPLENISHMENT ASSMT	100,982.20	68,439.72	1,041,377.46	819,032.58	1,140,347.00	72%
POWER	61,635.09	56,671.65	764,268.81	552,078.80	934,588.00	59%
TOTAL SOURCE OF SUPPLY	166,765.56	130,316.72	1,843,026.87	1,419,316.15	2,321,487.00	61%
LABOR-PUMPING	3,857.74	4,531.35	46,822.80	55,053.24	68,948.00	80%
MAINTENANCE-PUMPING	-	23,493.61	74,086.05	94,974.64	53,980.00	176%
TOTAL PUMPING	3,857.74	28,024.96	120,908.85	150,027.88	122,928.00	122%
MAINT & LABOR-TREATMENT	6,139.04	3,036.65	48,406.88	47,264.11	37,425.00	126%
TOTAL TREATMENT	6,139.04	3,036.65	48,406.88	47,264.11	37,425.00	126%
LABOR-TRANS & DISTRIBUTION	19,133.23	23,367.71	200,312.07	234,949.93	241,611.00	97%
MAINT-TRANS & DISTRIBUTION	40,025.66	5,915.93	226,952.08	244,237.78	158,357.00	154%
JOINT FACILITIES-WELL,LM CONDUIT&RES	44,737.59	24,737.74	426,831.16	241,359.23	400,793.00	60%
ORCHARD DALE PORTION	(8,407.90)	(11,069.73)	(208,848.45)	(113,972.53)	(202,981.00)	56%
TOTAL TRANSMISSION&DISTRIBUTION	95,488.58	42,951.65	645,246.86	606,574.41	597,780.00	102%
LABOR&MAINT-CUSTOMER ACCOUNTS	19,108.65	24,059.77	173,004.10	193,105.74	166,021.00	116%
UNCOLLECTIBLE ACCOUNTS	2,250.11	-	2,215.09	1,915.39	2,638.00	73%
TOTAL CUSTOMER ACCOUNTS	21,358.76	24,059.77	175,219.19	195,021.13	168,659.00	116%
TOTAL OTHER OPERATING EXPENSES	126,844.12	98,073.03	989,781.78	998,887.53	926,792.00	108%
TOTAL SOURCE OF SUPPLY & OPERATING EXPENSES	293,609.68	228,389.75	2,832,808.65	2,418,203.68	3,248,279.00	74%
ADMINISTRATIVE & GENERAL EXPENSES						
LABOR-FIELD-SICK,VAC,HOLIDAY	4,169.84	1,027.40	65,003.84	67,158.78	77,198.00	87%
WAGES-MANAGEMENT	12,820.77	13,180.40	142,501.83	143,580.47	165,468.00	87%
WAGES-OFFICE	19,832.18	23,771.14	223,723.67	226,407.27	272,120.00	83%
WAGES-MGMT&OFFICE-SICK,VAC,HOLIDAY	3,698.38	2,337.72	74,470.67	85,743.04	95,140.00	90%
OFFICE SUPPLIES	3,434.35	2,989.82	21,868.87	24,650.51	29,957.00	82%
AUTO SERVICE	9,143.94	6,851.07	52,851.09	48,386.97	47,734.00	101%
BANK SERVICE CHARGE	1,157.69	790.24	12,138.22	8,287.62	13,990.00	59%
DUES & SUBCRIPTIONS	1,100.00	-	26,190.83	25,532.58	29,665.00	86%
BUILDING SERVICE	3,324.41	1,456.00	19,171.61	19,700.22	23,731.00	83%
OFFICE EQUIPMENT MAINT	4,330.05	2,507.48	42,148.01	30,019.16	27,612.00	109%
PROFESSIONAL	3,709.00	14,026.33	48,179.53	118,166.96	81,196.00	146%
EDUCATION & MEETINGS	841.40	2,602.08	17,835.98	18,525.00	17,354.00	107%

LA HABRA HEIGHTS COUNTY WATER DISTRICT

STATEMENTS OF REVENUE AND EXPENSES

For Eleven Months Ending May 31, 2022 and May 31, 2023

	Last Year	Current	Last Year	Current YTD	Current	Actual
	Current Month	Month	YTD	Current YTD	Budget	% of budget
	Actual	Actual	Actual	Actual	2022/23	2022/23
	5/31/2022	5/31/2023	5/31/2022	5/31/2023	2022/23	92%
LEGAL	2,287.50	-	32,555.78	33,675.00	37,162.00	91%
UTILITIES	6,111.05	3,253.63	31,830.51	34,567.63	48,932.00	71%
ENGINEERING	-	657.00	43,383.50	14,984.50	28,315.00	53%
INSUR-AUTO,LIABILITY&PROPERTY	5,207.85	6,481.41	63,431.75	70,322.20	67,431.00	104%
INSUR-GROUP HEALTH & LIFE	18,297.38	15,098.34	211,297.93	169,277.70	227,214.00	75%
EMPLOYEE WORKERS COMPENSATION	142.29	58.30	2,710.23	23,800.27	25,279.00	94%
DENTAL	61.60	-	5,388.64	2,224.00	4,730.00	47%
RETIREMENT-CALPERS	16,264.38	11,148.30	123,317.19	122,742.19	150,485.00	82%
RETIREMENT-DEFERRED COMP	3,767.43	1,596.14	19,371.26	17,868.65	21,456.00	83%
RETIREMENT-CALPERS UNFUND ACCR LIAB	-	-	72,110.00	89,261.00	92,333.00	97%
MAINTENANCE-GENERAL PLANT	7,944.25	6,181.70	61,587.02	56,889.67	68,341.00	83%
CAPITAL IMPROVEMENTS	110,598.41	129,275.08	1,216,582.51	1,422,025.88	1,551,301.00	92%
PROPERTY TAXES	443.10	444.06	5,372.35	5,397.59	6,454.00	84%
PAYROLL TAXES	6,137.45	6,786.64	73,704.78	78,168.44	83,397.00	94%
TOTAL ADMIN & GENERAL EXP	244,824.70	252,520.28	2,708,727.60	2,957,363.30	3,293,995.00	90%
TOTAL OPERATING EXPENSES	538,434.38	480,910.03	5,541,536.25	5,375,566.98	6,542,274.00	82%
OPERATING INCOME (LOSS)	(102,901.42)	(108,731.40)	(974,756.87)	(1,113,324.84)	(1,119,023.00)	100%
NONOPERATING REVENUES						
INTEREST INCOME	1,571.00	12,419.00	9,767.21	93,336.53	10,272.00	909%
PROPERTY TAX INCOME	82,754.28	110,382.09	853,318.64	929,565.01	892,371.00	104%
RENT INCOME	10,988.13	10,957.46	107,098.94	124,380.32	120,458.00	103%
OIL ROYALTIES	1,982.65	1,012.59	14,893.99	15,457.59	10,589.00	146%
MISCELLANEOUS INCOME	1,425.00	1,100.00	9,162.16	7,830.06	5,664.00	138%
GAIN ON ASSET SOLD	-	-	14,705.99	4,500.00	-	0%
TOTAL NONOPERATING REVENUES	98,721.06	135,871.14	1,008,946.93	1,175,069.51	1,039,354.00	113%
NONOPERATING EXPENSES						
INTEREST EXPENSE-D/G LOAN	237.96	120.45	2,973.04	1,805.70	1,801.00	100%
LOSS ON INVESTMENT	-	-	-	-	-	0%
DIRECTORS FEES	500.00	300.00	5,600.00	6,100.00	9,900.00	62%
DIRECTORS EXPENSES	1,626.26	-	2,246.26	678.71	9,711.00	7%
ELECTION	-	-	-	1,686.67	15,327.00	0%
TOTAL NONOPERATING EXPENSES	2,364.22	420.45	10,819.30	10,271.08	36,739.00	28%
NET NONOPER REVENUES(EXPENSES)	96,356.84	135,450.69	998,127.63	1,164,798.43	1,002,615.00	116%
NET INCOME (LOSS) IN NET POSTION	(6,544.58)	26,719.29	23,370.76	51,473.59	(116,408.00)	-44%

WARRANTS

La Habra Heights CWD
AP Check Register (Current by Bank)
Check Dates: Greater than 5/10/2023

Check No.	Date	Status*	Vendor ID	Payee Name	Amount
BANK ID: 13100 - EFT TRANSFERS					13111
1002373182	05/24/23	M	0130	CALPERS	\$4,966.15
1002373183	05/24/23	M	0130	CALPERS	\$1,157.40
**1002382652	06/07/23	M	0130	CALPERS	\$5,180.18
1002382653	06/07/23	M	0130	CALPERS	\$1,215.29
BANK 13100 REGISTER TOTAL:					\$12,519.02
BANK ID: 13110 - CHECKING- WELLS FARGO					13111
46056	05/23/23	P	0116	ACWA-JPIA	\$16,409.05
46057	05/23/23	P	0541	ADVANCED INFRASTRUCTURE TECH.	\$7,442.06
46058	05/23/23	P	0532	ASAP ADVANCED SECURITY & PRO.	\$106.08
46059	05/23/23	P	0414	BRKICH CONSTRUCTION CORP	\$227,210.55
46060	05/23/23	P	0121	BURLINGTON NORTHRN & SANTA FE	\$33,845.15
46060	05/23/23	V	5/23/23 0121	BURLINGTON NORTHRN & SANTA FE	(\$33,845.15)
46061	05/23/23	P	0013	CANNINGS HARDWARE	\$414.60
46062	05/23/23	P	0432	CHARTER COMMUNICATIONS	\$550.00
46063	05/23/23	P	0441	CINTAS CORPORATION	\$90.30
46064	05/23/23	P	0283	CONTINENTAL UTILITY SOLUTIONS	\$25.80
46065	05/23/23	P	0197	DELTA MOTOR CO, INC	\$8,782.50
46066	05/23/23	P	0464	ENVIROKLEEN USA	\$650.00
46067	05/23/23	P	ONETIM	FARNOSH MAZANDARANI	\$199.84
46068	05/23/23	P	0099	GRAINGER INC	\$44.07
46069	05/23/23	P	0536	IB CONSULTING, LLC	\$9,000.00
46070	05/23/23	P	0252	INFOSEND, INC	\$1,374.28
46071	05/23/23	P	0033	J A SALAZAR CONSTRUCTION	\$8,407.27
46072	05/23/23	P	0205	JOE MATTHEWS	\$1,593.19
46073	05/23/23	P	0402	L G HOLDINGS, INC	\$34,509.30
46074	05/23/23	P	0483	LAVCO DAVE'S BRAKE ALIGNMENT	\$1,316.08
46075	05/23/23	P	0051	LINCOLN FINANCIAL GROUP	\$3,276.87
46076	05/23/23	P	0120	MICHAEL GUALTIERI	\$1,355.34
46077	05/23/23	P	0503	MICHELLE SAVAGE	\$60.00
46078	05/23/23	P	0534	ODP BUSINESS SOLUTIONS, LLC.	\$62.40
46079	05/23/23	P	0392	LEE NORA F HOLDEN	\$45.19
46080	05/23/23	P	0258	S&J SUPPLY CO, INC	\$4,244.89
46081	05/23/23	P	0147	SAN GABRIEL VALLEY WATER CO	\$160.12
46082	05/23/23	P	0394	SANTA FE SPRINGS LINE X	\$806.00
46083	05/23/23	P	0229	SOUTH COAST AQMD	\$153.23
46084	05/23/23	P	0068	SOUTHERN CALIF EDISON CO	\$10,214.34
46085	05/23/23	P	0535	TOM'S PLUMBLING SERVICE TPS	\$200.00
46086	05/23/23	P	0427	TPX COMMUNICATIONS	\$2,700.00
46087	05/23/23	P	0268	UNIVAR USA, INC	\$1,487.71
46088	05/23/23	P	0012	VULCAN MATERIALS COMPANY	\$913.47
46089	05/23/23	P	0016	WATER REPLENISHMENT DISTRICT	\$31,437.39
46090	05/23/23	P	0121	BURLINGTON NORTHRN & SANTA FE	\$9,110.50
46091	06/06/23	P	0385	ADMIRAL PEST CONTROL	\$76.00
46092	06/06/23	P	0353	ARCO BUSINESS SOLUTIONS	\$3,331.27
46093	06/06/23	P	0090	CALIF DOMESTIC WATER CO	\$1,241.00
46094	06/06/23	P	0013	CANNINGS HARDWARE	\$32.43
46095	06/06/23	P	0014	CENTRAL BASIN MWD	\$3,964.35
46096	06/06/23	P	0441	CINTAS CORPORATION	\$45.15
46097	06/06/23	P	0145	CIVILTEC ENGINEERING INC	\$8,995.00
46098	06/06/23	P	0017	CLINICAL LAB OF SB, INC	\$706.25
46099	06/06/23	P	0164	EXCEL TELEMESSAGING	\$130.00
46100	06/06/23	P	ONETIM	GLOBAL GEO ENGINEERING	\$613.70
46101	06/06/23	P	0049	GOLDEN METERS SERVICE INC	\$2,307.31
46102	06/06/23	P	0099	GRAINGER INC	\$281.04

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

La Habra Heights CWD
AP Check Register (Current by Bank)
Check Dates: Greater than 5/10/2023

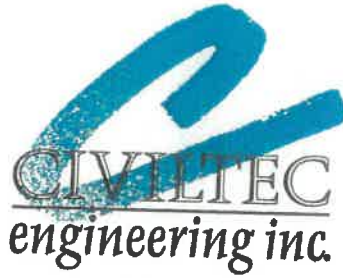
Check No.	Date	Status*	Vendor ID	Payee Name	Amount
46103	06/06/23	P	0369	HIGHROAD INFO TECHNOLOGY	\$10,758.10
46104	06/06/23	P	0536	IB CONSULTING, LLC	\$11,380.00
46105	06/06/23	P	0475	INDUSTRIAL SCIENTIFIC CORP	\$543.77
46106	06/06/23	P	0033	J A SALAZAR CONSTRUCTION	\$5,770.07
46107	06/06/23	P	0133	KONICA MINOLTA	\$386.28
46108	06/06/23	P	0483	LAVCO DAVE'S BRAKE ALIGNMENT	\$80.00
46109	06/06/23	P	0051	LINCOLN FINANCIAL GROUP	\$3,276.87
46110	06/06/23	P	0231	O'REILLY AUTO PARTS	\$169.84
46111	06/06/23	P	0534	ODP BUSINESS SOLUTIONS, LLC.	\$94.85
46112	06/06/23	P	0092	POLLARDWATER.COM-EAST	\$229.68
46113	06/06/23	P	0196	POSTMASTER	\$354.00
46114	06/06/23	P	0516	ROBERT'S LIQUID DISPOSAL	\$600.00
46115	06/06/23	P	0373	RUSH TRUCK CENTER	\$1,632.30
46116	06/06/23	P	0258	S&J SUPPLY CO, INC	\$2,241.69
46117	06/06/23	P	0415	SAMUEL MUNOZ	\$1,400.00
46118	06/06/23	P	0069	SOCALGAS	\$1.61
46119	06/06/23	P	0068	SOUTHERN CALIF EDISON CO	\$46,785.99
46120	06/06/23	P	0267	STAMPS BY MAIL	\$126.00
46121	06/06/23	P	0075	STATE OF CALIFORNIA-DEPT OF WT	\$722.70
46122	06/06/23	P	0198	TERRY'S TESTING, INC	\$65.00
46123	06/06/23	P	0427	TPX COMMUNICATIONS	\$307.81
46124	06/06/23	P	0078	UNDERGROUND SERVICE ALERT	\$155.25
46125	06/06/23	P	0268	UNIVAR USA, INC	\$2,123.44
46126	06/06/23	P	0386	VERIZON WIRELESS	\$1,048.94
46127	06/06/23	P	ONETIM	XIANG JIN	\$175.03
46128	06/07/23	P	0409	ADVANTAGE,INC	\$917.54
46129	06/07/23	P	0120	MICHAEL GUALTIERI	\$34.00
46130	06/20/23	P	0116	ACWA-JPIA	\$15,509.09
46131	06/20/23	P	0409	ADVANTAGE,INC	\$681.45
46132	06/20/23	P	0504	C&K TIRE SERVICE	\$470.84
46133	06/20/23	P	0013	CANNINGS HARDWARE	\$122.43
46134	06/20/23	P	0432	CHARTER COMMUNICATIONS	\$550.00
46135	06/20/23	P	0283	CONTINENTAL UTILITY SOLUTIONS	\$37.10
46136	06/20/23	P	0464	ENVIROKLEEN USA	\$650.00
46137	06/20/23	P	0036	EPM POWER & WATER SOLUTIONS	\$33,566.37
46138	06/20/23	P	ONETIM	FARWEST CORROSION CONTROL CO.	\$149.96
46139	06/20/23	P	0247	FIVE STAR FIRE PROTECTION, INC	\$1,690.00
46140	06/20/23	P	0389	FRONTIER COMMUNICATIONS	\$876.32
46141	06/20/23	P	0421	FULLER TRUCK ACCESSORIES	\$716.66
46142	06/20/23	P	0099	GRAINGER INC	\$61.14
46143	06/20/23	P	0043	GRISWOLD INDUSTRIES	\$3,746.72
46144	06/20/23	P	ONETIM	HAL HAYS CONSTRUCTION	\$55.53
46145	06/20/23	P	0153	HOME DEPOT CR SERVICES	\$80.29
46146	06/20/23	P	0252	INFOSEND, INC	\$1,373.08
46147	06/20/23	P	0205	JOE MATTHEWS	\$102.64
46148	06/20/23	P	0051	LINCOLN FINANCIAL GROUP	\$3,355.08
46149	06/20/23	P	0120	MICHAEL GUALTIERI	\$286.76
46150	06/20/23	P	0503	MICHELLE SAVAGE	\$311.30
46151	06/20/23	P	0363	RWS OF SOUTHERN CALIFORNIA	\$1,223.71
46152	06/20/23	P	0258	S&J SUPPLY CO, INC	\$2,239.85
46153	06/20/23	P	0185	S.C.W.U.A.	\$35.00
46154	06/20/23	P	0147	SAN GABRIEL VALLEY WATER CO	\$98.17
46155	06/20/23	P	0068	SOUTHERN CALIF EDISON CO	\$10,971.68
46156	06/20/23	P	0486	TAMMY WAGSTAFF	\$64.76
46157	06/20/23	P	0016	WATER REPLENISHMENT DISTRICT	\$62,669.28
46158	06/20/23	P	0016	WATER REPLENISHMENT DISTRICT	\$7,686.00
46159	06/20/23	P	ONETIM	YOON LEE	\$3,179.11

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

La Habra Heights CWD
AP Check Register (Current by Bank)
Check Dates: Greater than 5/10/2023

<u>Check No.</u>	<u>Date</u>	<u>Status*</u>	<u>Vendor ID</u>	<u>Payee Name</u>	<u>Amount</u>
BANK 13110 REGISTER TOTAL:					<u>\$650,017.00</u>
GRAND TOTAL :					<u><u>\$662,536.02</u></u>

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



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

May 2, 2023

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

Attention: Michael Gualtieri, General Manager

Subject: Engineering Activities for the Month of **April 2023**
Invoice Backup Support - Billing Period through April 28, 2023

Dear Mr. Gualtieri:

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 LHCWD management. Following is an explanation of time spent to back up the **April 2023** invoicing. The numbering system is the **Civiltec** project number and tracking system.

2022153.00 – General Engineering Support. 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 2022-23.

There were no expenditures in the month of April 2023. The remaining budget is \$15,735.00.

2022154.00 – Engineering Fireflow Modeling FY22-23. This project has been established to aid the District with computer model simulations for fire flow requests by LHCWD customers. Below is an accounting of expenditures under this **Civiltec** job number for FY 2022-23.

There were no expenditures in the month of April 2023. We are setting up new project numbers per fire flow simulation request beginning in May 2023. We will use this main number 2022154 and will put extensions starting with .01 for the first request.

2020135.00 – Greenview Pipeline and PRV Station. LHCWD has completed the construction of a new pipeline extension on Greenview to complete a piping loop. The pipeline is operational. As-build drawings have been completed to a first draft for review. LHCWD is working with Brkich Construction on the project punch list. Final paperwork will be completed in May 2023.



The overall engineering and construction support budget for the project is \$43,500.00. There were expenditures of \$1,425.00 in the month of April 2023. The remaining budget is \$974.47.

2020203.00 – Vigil Reservoir Drain Outlet Repair. LHCWD plans to repair the existing outlet structure that was damaged during a tank overflow event. The drain rock, shotcrete, reinforcing fabric and concrete energy dissipater have been damaged. In order to get a contractor on board, the design must be finalized and placed out to bid. The overall engineering budget for the project is \$39,500.00. There were no expenditures in the month of April 2023. The remaining budget is \$9,845.00.

2022169.00 – Well No. 12 Well Siting Study. LHCWD plans to drill a new well in the Judson Well Field. The Board of Directors authorized the *Civiltec* Well Siting Proposal in their meeting of September 27, 2022. We have completed site utility and mapping research and have conducted the site topographic survey of the site on the north end of the Mobile Home Park. A large storm drain box structure is located near the proposed well location that is causing a pause in the study. A site visit was conducted in February to review the site with Jordan Kear. A new site at the south end of the Mobile Home Park was field reviewed. LHCWD and ODWD want to study this site for the new well. *Civiltec* issued a budget modification request on March 14, 2023 in the amount of \$17,900 that was approved by both District General Managers on March 15, 2023. In the month of April, the new site was surveyed, the topo map has been plotted, utility research is still ongoing and preliminary site layouts have been produced for review. *Civiltec* has reached out to Jordan Kear to discuss his hydrogeology work. The new engineering budget for the project is \$104,490.00. There were expenditures \$7,570.00 in April 2023. The remaining budget is \$60,529.00.

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.

A handwritten signature in blue ink, appearing to read 'W. David Byrum'.

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

REPORT OF SUPERINTENDENT

LA HABRA HEIGHTS COUNTY WATER DISTRICT

MEMORANDUM

DATE: 6/21/23

TO: MIKE GUALTIERI, BOARD OF DIRECTORS

FROM: JOE MATTHEWS, SUPERINTENDENT

SUBJECT: SUPERINTENDENT'S REPORT FOR JUNE 2023

System repairs

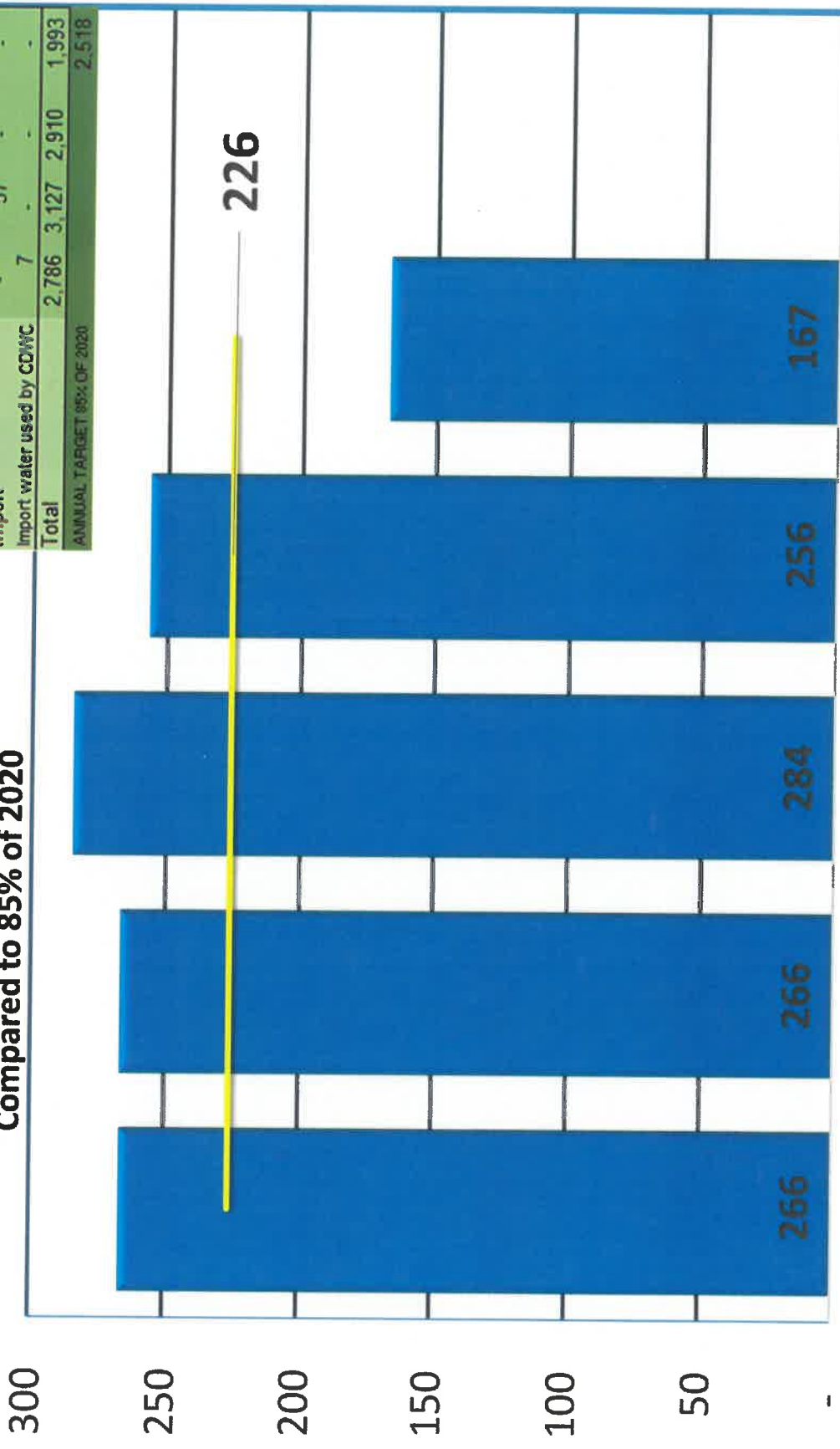
- We had a total of nine service leaks, two of those leaks were replaced and the rest were repaired.
- There were two main leak repairs, and one butterfly valve repaired. Also, Brkich repaired a leak on Reposado Drive that was covered under warranty.

Edison efficiency testing

- Edison completed efficiency testing for the year and reports are pending.
- Annual electrical maintenance was completed by GJR Electric.

LA HABRA HEIGHTS COUNTY WATER DISTRICT

Production in acre feet for **MAY**
Compared to **85% of 2020**



2020 19/20 20/21 21/22 22/23

- Import
- Import water used by California Domestic Water Company from District's Central Basin Municipal Water District connection
- Groundwater
- 85% of 2020 Month Target

ANNUAL WATER USAGE						
Water Source	2019/2020	2020/2021	2021/2022	2022/23 THRU MAY		
Groundwater	2,779	3,070	2,910	1,993		
Import	-	57	-	-		
Import water used by CDWC	7	-	-	-		
Total	2,786	3,127	2,910	1,993		
ANNUAL TARGET 85% OF 2020						
				2,518		

**DISCUSS AND ACTION
FIRE FLOW SIMULATION TEST**

LA HABRA HEIGHTS COUNTY WATER DISTRICT

MEMORANDUM

DATE: JUNE 21, 2023
TO: BOARD OF DIRECTORS
FROM: MICHAEL GUALTIERI, SECRETARY/ GENERAL MANAGER
SUBJECT: FIRE FLOW TESTING

The District has been utilizing computer model simulation for water availability statements fire flow testing over the past year. Before using the computer simulation fire flow testing, we talked with La Habra Heights Fire Department (LHHFD) for their approval. Deputy Fire Marshall Grubb approved the use of computer simulation using maximum day demand, all pumps off, and reservoirs half full.

Section 4.4.60 Chapter 5, from La Habra Heights Municipal Code, which was approved December 6, 2021, set new requirements for fire protection. This code states fire flow for new structures 1 – 3,600 square feet must have a minimum of 1,000 Gallons Per Minute (GPM) and 1,500 GPM for any structure greater than 3,600 square feet.

Our current water distribution system was designed to meet the fire flow requirements before the new fire protection requirements began. Those requirements were 750 GPM at 20 PSI residual for 120 minutes duration, at a velocity of 10 feet per second. As we move forward with our projects, the District will incorporate the new municipal code.

When a developer/homeowner builds new or upgrades their home, they are required to meet the new city and/or fire department codes.

Regarding liability to the District, I have been informed there is no liability in not meeting the new code if existing infrastructure does not meet the new municipal code requirements.

On a side note, by using computer modeling we also eliminate water loss and potential property damage when doing field tests.

Attached please find the following:

- Water Availability Statement for 1700 Kanola Road
- Email I sent on June 5, 2023, discussing findings and explanation of use of computer for fire flow testing
- Fire flow field test from June 1, 2023
- Computer fire flow test using data from SCADA and field test from June 1, 2023
- Email train for approval of using computer modeling to do fire flow testing from LHHFD

- Water Availability Statement form sent to LHHFD for approval
- Fire flow test from March 21, 2018, and May 19, 2000, on hydrant 20-22 for 1700 Kanola Road
- Pages 2-9 from our 2022 Water Master Plan. Section 2.5, fire flow requirements
- Memo from Civiltec Engineering explaining fire flow requirements and computer model simulation
- Section 4.4.60 Chapter 5, from La Habra Heights Municipal Code
- Updated LHHCWD Water Availability Statement form as of June 1, 2023

LA HABRA HEIGHTS COUNTY WATER DISTRICT
WATER AVAILABILITY STATEMENT

PART I - INFORMATION

Tax Assessors Number _____

Building Address 1700 KANOLA RD Number of Stories _____

Nearest Cross Street _____ Distance to Nearest Cross Street _____

Property Owner KEVIN YANG 626 885 6777
Name Telephone No.

1450 DOROTHEA RD LA HABRA HTS 90631
Address City Zip Code

[Signature] 4/24/23
Signature of Applicant Date

PART II - STATEMENT OF POTABLE WATER SERVICE

- A. Potable water service is available to the above referenced property with an estimated 53 psi static pressure at the meter. The meter size is 1 1/2 inches.
- B. Potable water service is NOT available to the above referenced property until financial arrangements have been made in accordance with comments, below.

PART III - STATEMENT OF FIRE FLOW

Fire flow test was performed in the field.

A fire flow test was made on a fire hydrant located at 1730 Kanda Rd
Fire hydrant configuration: 6 inch riser with 2 1/2" x 4" opening head. The flow was 977 GPM at 20 psi residual pressure. Static pressure in the water main at the location was 53 psi. (The La Habra Heights County Water District will supply only such quantities of water at such pressure as may be available from time to time because of the normal operations of the system and shall have no liability for loss or damage to persons or property resulting from inadequate pressure or flows.)

Fire flow tests was computer model simulated

Fire flow scenarios are set for Maximum Day Demand (MDD) plus the required fire flow. All pumps and water system interconnections are off in the system and reservoirs are set at 1/2 full. Flow results of the simulation are provided at 20 psi residual.

- A. The distance from the fire hydrant tested to the proposed structure is _____ feet, by way of vehicular access. (This distance was determined from plot plan furnished to the District and on file with the District, or by physical measurement.)
- B. Distance between proposed structure and fire hydrant cannot be certified since information was not provided to the District.

PART IV - COMMENTS

This statement is valid for 1 year from the date hereon. It is valid only for the owner appearing in Part I.

[Signature] Superintendent 5/15/2023
Signature Title Date

cc: City of La Habra Heights Applicant

LA HABRA HEIGHTS VOLUNTEER FIRE DEPARTMENT

Approved by _____ Date _____ Disapproved by _____ Date _____

Mike Gualtieri

From: Mike Gualtieri
Sent: Monday, June 5, 2023 3:22 PM
To: pmcvicar@earthlink.net
Cc: Brad Cooke; Joe Matthews
Subject: Water Availability Statement and Fire Flow Testing
Attachments: SKM_C30823060513300.pdf; SKM_C30823060514080.pdf

Hi Pam,

I just wanted to follow from last week's inquiry about water availability statements and how we perform the fire flow tests. Before we started using the computer modeling to perform Fire Flows, Civiltec had us do field tests on 20 or more different hydrants throughout the system with all information from SCADA about levels and pumps running to make sure each hydrant was correct in the model. Once the model was calibrated and working perfect, we presented it to the Fire Department for their approval to use computer modeling instead of physical testing in the field. In the attachments you see Fire Marshall Grubb's approval.

In attachments you will find:

First attachment:

1. Email from David showing field test from June 1st (1048 GPM) and computer modeling (1062 GPM) using the same data from field test.
2. Email from Dennis Grubb excepting the computer modeling for Fire Flows Tests and Water Availability Statements.
3. Water Availability Statement sent to Dennis for approval.
4. Fire Flow tests taken on 3/21/18 (873 GPM), 5/19/00 (1006 GPM), and 6/1/23 (1048 GPM) from hydrant number 20 - 22. These three are field tests.
5. Page 2-9, from Water Master Plan, showing section 2.5 Fire Flow Requirements.

Second attachment:

Water Availability Statement given to homeowner on 5/15/23 for Fire Flow test (977 GPM) from fire hydrant number 20 - 22. Fire Flow was computed from model using Maximum Day Demand, all pumps off, and reservoirs half full per Fire Department requirements.

Hopefully this information helps. If Mr. Bergman has any question please have him give me a call. If you have any question please let me know.

Lastly, is there still a reason to put this on the agenda?

Sincerely,

Michael Gualtieri
General Manager

La Habra Heights County Water District
1271 N. Hacienda Road
La Habra Heights, CA 90631
562 697-6769

Your message is ready to be sent with the following file or link attachments:

SKM_C30823060513300

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

FIELD TEST 6/1/23

LA HABRA HEIGHTS COUNTY WATER DISTRICT FIRE HYDRANT FLOW TEST

For

REQUESTED BY: District Records PHONE #

FOR ADDRESS: 1700 Kanda

FIRE HYDRANT LOCATION 1730 Kanda HYDRANT # 20-22

SIZE (INCHES) 6 x 2 1/2 x 4 SIZE MAIN (INCHES) 8"
(BARREL) (OUTLET) (OUTLET)

TEST DATA:

DATE 6-1-23 TIME 8:15 AM/PM WEATHER Cloudy 59°

LOCATION USED FOR PRESSURE READ 1735 Kanda hose bib

LENGTH (FEET) FROM HYDRANT UNDER TEST TO PRESSURE READ 97'

LENGTH (FEET) FROM HYDRANT UNDER TEST TO RESIDENCE N/A

STATIC PRESSURE (psig) 59 (a) RESIDUAL PRESSURE (psig) 39 (b)

PITOT PRESSURE (psig) 19 (c) DIAMETER OUTLET (inches) 2 1/2 (d)

TESTED BY Matt Ayden

COMPUTATION:

Flow during test= 731 (e) gpm, derived from manufacturer's tables applying (c) and (d)

Pressure drop to 20 psig: 59 - 20 = 39 (f) (f) 0.54 = 7.23 (g)

Pressure drop during test 59 - 39 = 20 (h) (h) 0.54 = 5.04 (i)

Flow available at 20 psig= (e) 731 x 7.23 (g) = 1048 GPM
5.04 (i)

REMARKS

COMPUTED BY: Joe Matthews DATE 6-1-2023

Mike Gualtieri

From: W. David Byrum <dbyrum@civiltec.com>
Sent: Friday, June 2, 2023 11:49 AM
To: Mike Gualtieri
Cc: Joe Matthews
Subject: FW: LHCWD - Fire Flow Verification - 1700 Kanola
Attachments: Fwd: physical fire flow info for 1700 Kanola

Hi Mike!

Sorry for the delay! Our servers were down for hours. This is the email Gretel issued yesterday. I agree with Gretel that the one assumption we cannot verify is demand. We ran an Average Day Demand which could have been higher demand that was actually occurring on the system. The results still look really good.

Please let me know if you have any questions.

--
W. David Byrum | PE
CIVILTEC Engineering Inc.

From: Gretel Ochoa-Nhac <gochoa@civiltec.com>
Sent: Thursday, June 1, 2023 5:22 PM
To: W. David Byrum <dbyrum@civiltec.com>
Cc: Ariel Lopez <alopez@civiltec.com>
Subject: LHCWD - Fire Flow Verification - 1700 Kanola

Hi David,

Ariel and I were able to run a scenario we created to simulate the field fire flow test that was done today by LHCWD.

Here is the comparison of the model vs what was obtained on the field and honestly, I am happy with the way our model is performing.

With that said, here is the comparison of the field test vs our modeling results:

COMPUTER TEST USING SCADA & FIELD TEST DATA FROM 6/1/23

	Field Test done on 05/01	Modeling Test on 05/01
Static Pressure (psi)	59	55
Residual Pressure (psi)	39	37
Flow at Residual Pressure (gpm)	731	731
Available Flow at 20 psi Residual Pressure (gpm)	1,048	1,062
Tank Levels		
Res 2	25.68	25.68
Res 5A	25.75	25.75
Lyons Res	28	28
Snooks Res	18.72	18.72
Vigil Res	18.12	18.12
Res 10A	25.8	25.8
Boosters Running		
Plant 5 pump 1 (gpm)	862	1,040
Demand		
Average Day (gpm)	Unknown	1,687

The biggest variable here is that we used an average day demand set for our model but there is no way we could know an extra demand for today. Using our best management methods, I am satisfied with the results we are getting compared to what the field provided. When we provided the available fire flow test for this address back on 05/04/2023, we used our maximum day demand set and pump 1 at Plant 5 was programmed to not provide flow. I could bet that the demand for today is not as high as the demand is programmed as average day today which is why our pump in the model is pumping slightly higher compared to the field.

Hope this helps Mike. If he or Joe needs anything else, I will be happy to help out. I do have snap shots of the model output that I saved but there is no streets shown – only the alignment of the pipe.

Thank you,



Gretel Ochoa-Nhac | PE
 Project Engineer
CIVILTEC Engineering Inc.
 440 N. Mountain Avenue, Ste. 210 | Upland, CA 91786
 P: 909.296.4457
gochoa@civiltec.com

Mike Galtieri

From: Joe Matthews
Sent: Tuesday, May 30, 2023 9:08 AM
To: Mike Galtieri
Subject: FW: Water availability statement - July 2022.doc

Mike,

Here is Dennis Grubb's response to the new water availability statements. I will forward you the first email I sent him shortly.

Joe Matthews
Superintendent
La Habra Heights County Water District
(562) 697-6769

From: Dennis Grubb <dennis@dgassociates.org>
Sent: Thursday, July 14, 2022 2:27 PM
To: Joe Matthews <joe@lhcwd.com>
Cc: Joe Matthews <joe@lhcwd.com>; Mike Galtieri <mike@lhcwd.com>; Rafferty Wooldridge <rwooldridge@lhcity.org>; SFAirvine@aol.com; Nicholle Hornsby <nhornsby@lhcity.org>; Diedre Locati <diedre@dgassociates.org>; Doug Graft <dgraft@lhcity.org>
Subject: Re: Water availability statement - July 2022.doc

Joe,

Based on our discussion and the information contained on the revised form, I have no issues using computer modelling for fire flow and fire sprinkler calculations. If there are any significant changes or problems, please let me know, otherwise we expect to see the new form for all upcoming projects.

Dennis Grubb, CFPE
La Habra Heights
Deputy Fire Marshal

From: Joe Matthews <joe@lhcwd.com>
Date: Thursday, July 14, 2022 at 12:16 PM
To: Dennis Grubb <dennis@dgassociates.org>
Cc: Joe Matthews <joe@lhcwd.com>, Mike Galtieri <mike@lhcwd.com>
Subject: Water availability statement - July 2022.doc

Hello Dennis,

I left a message with you office regarding La Habra Heights County Water District's transition to computer model simulated fire flow tests for Water Availability Statements. I have attached a blank copy of our new form for your reference. The transition to computer modeling will begin today, however some residents in the city have recently received the older version.

Please feel free to contact me for any questions and thank you for your time.

Sincerley,

Joe Matthews
Superintendent
La Habra Heights County Water District
(562) 697-6769

This is THE FORM
Provide To GRUBB ON 7/14/22

LA HABRA HEIGHTS COUNTY WATER DISTRICT
WATER AVAILABILITY STATEMENT

PART I - INFORMATION

Tax Assessors Number _____

Building Address _____ Number of Stories _____

Nearest Cross Street _____ Distance to Nearest Cross Street _____

Property Owner _____

Name

Telephone No.

Address

City

Zip Code

Signature of Applicant _____

Date _____

PART II - STATEMENT OF POTABLE WATER SERVICE

A. Potable water service is available to the above referenced property with an estimated _____ psi static pressure at the meter. The meter size is _____ inches.

B. Potable water service is NOT available to the above referenced property until financial arrangements have been made in accordance with comments, below.

PART III - STATEMENT OF FIRE FLOW

Fire flow test was performed in the field.

A fire flow test was made on a fire hydrant located at _____
Fire hydrant configuration: _____ inch riser with _____ x _____ opening head. The flow was _____ GPM at 20 psi residual pressure. Static pressure in the water main at the location was _____ psi. (The La Habra Heights County Water District will supply only such quantities of water at such pressure as may be available from time to time because of the normal operations of the system and shall have no liability for loss or damage to persons or property resulting from inadequate pressure or flows.)

Fire flow tests was computer model simulated

Fire flow scenarios are set for Maximum Day Demand (MDD) plus the required fire flow. All pumps and water system interconnections are off in the system and reservoirs are set at 1/2 full. Flow results of the simulation are provided at 20 psi residual.

A. The distance from the fire hydrant tested to the proposed structure is _____ feet, by way of vehicular access. (This distance was determined from plot plan furnished to the District and on file with the District, or by physical measurement.)

B. Distance between proposed structure and fire hydrant cannot be certified since information was not provided to the District.

PART IV - COMMENTS

This statement is valid for 1 year from the date hereon. It is valid only for the owner appearing in Part I.

Signature _____

Title _____

Date _____

cc: City of La Habra Heights Applicant

LA HABRA HEIGHTS VOLUNTEER FIRE DEPARTMENT

Approved by _____

Date _____

Disapproved by _____

Date _____

LA HABRA HEIGHTS COUNTY WATER DISTRICT
FIRE HYDRANT FLOW TEST

REQUESTED BY: _____ PHONE #: _____

FOR ADDRESS: 1730 Kanola

FIRE HYDRANT TO BE TESTED: _____ HYDRANT # 20-27

LOCATION: 1730 Kanola

SIZE (inches) 6 (barrel) x 4 (outlet) x 2 1/2 (outlet) Size main (inches) 8"

TEST DATA:
DATE: 3/21/18 TIME: 1:30 A.M./P.M. WEATHER: Rainny

HYDRANT/HOSE BIB USED FOR PRESURE READINGS: LOCATION
1730 Kanola / 1730 Kanola

LENGTH IN FEET FROM HYDRANT UNDER TEST TO PRESSURE READ: 231'

Static pressure (psig) 58 (a) Residual pressure (psig) 30 (b)

Pitot gauge presure (psig) 24 (c) Diameter outlet (inches) 2 1/2" (d)

Test conducted by: DS/MS/JV

COMPUTATION:

Hyd to House / UNKNOWN

Flow during test = 741 (e) gpm, derived from manufacturer's tables applying (c) and (d)

Pressure drop to 20 psig: $\frac{58}{(a)} - 20 = 38$ (f); (f) 0.54 = 7.13 (g)

Presure drop during test: $\frac{58}{(a)} - \frac{30}{(b)} = 28$ (h); (h) 0.54 = 6.05 (i)

Flow available at 20 psig = $\frac{(e) 741}{(i) 6.05} \times 7.13$ (g) = 873 gpm

REMARKS:

COMPUTED BY: Dale/Michelle DATE: 3/21/18

LA HABRA HEIGHTS COUNTY WATER DISTRICT
FIRE HYDRANT FLOW TEST

REQUESTED BY:

Chiu Yu Chiu

1714 KANOLA Rd LA HABRA HEIGHTS CA 90631
STREET ADDRESS CITY STATE ZIP CODE

PHONE NUMBER (562) 691-0258

FIRE HYDRANT TO BE TESTED:

HYDRANT # 20-22

LOCATION: 1730 KANOLA Rd.

SIZE (inches) 6 x 4 x 2 1/2 Size main (inches) 8
(barrel) (outlet) (outlet)

TEST DATA:

DATE: 5-2-00 TIME: 2:30 A.M./P.M. WEATHER: 88° SUNNY

HYDRANT/HOSE BIB USED FOR PRESURE READINGS: LOCATION

1714 KANOLA Rd

LENGTH (FEET) TO HYDRANT UNDER TEST: 66

Static pressure (psig) 56 (a) Residual pressure (psig) 34 (b)

Pitot gauge pressure (psig) 26 (c) Diameter outlet (inches) 2 1/2 (d)

Test conducted by: Vigil, Dulay

COMPUTATION:

Flow during test = 771 (e) gpm, derived from manufacturer's tables applying (c) and (d)

Pressure drop to 20 psig: $\frac{56}{(a)} - 20 = 36$ (f); (f) 0.54 = 6.93 (g)

Pressure drop during test: $\frac{56}{(a)} - \frac{34}{(b)} = 22$ (h); (h) 0.54 = 5.31 (i)

Flow available at 20 psig = $\frac{(e) 771 \times 6.93 (g)}{(i) 5.31} = 1006$ gpm

REMARKS:

COMPUTED BY: GUALTIERI

DATE: 5-19-00



4. The highest maximum production day, within the six-year study period, occurred during the month of July 2020 and was estimated at 5,517,179 gallons or 5.517 MG.

Demand fluctuation on an annual basis is best described by Peaking Factors (PF) that compare the various extreme demand conditions to the annual average. Table 2-6 summarized an analysis of actual production data during the study period. Average Daily Demand (ADD) is the statistical average for the study period. Maximum Daily Demand (MDD) and Minimum Daily Demand (Min Day) were found by sorting the data set. Since there is no direct data describing fluctuation on an hourly basis, per the California Code of Regulations Title 22 Section 64554, Peak Hour Demand (PHD) is taken as 1.5 times the MDD.

Table 2-6 - Peaking Factors

Demand Condition	Abbr.	MGD	gpm	AFY	PF
Average Day Demand	ADD	2.435	1,691	2,728	1.00
Maximum Day Demand	MDD	5.517	3,831		2.27
Minimum Day Demand	Min Day	0.357	248		0.15
Peak Hour Demand	PHD		5,747		3.40

2.5 Fire Flow Requirements

LHHCWD's system must be capable for providing a reliable supply of water to meet demands for firefighting. The current 'grandfathered' fire flow requirement is 750 gpm. The City of La Habra Heights Municipal Code (passed December 6, 2021) "Chapter 4.4.60 Chapter 5 - Adoption and Amendments" states the updated fire flow requirements.

Per these new requirements, fire flow shall be a minimum of 1,000 gpm for structures between 1 and 3,600 square feet (SF) and 1,500 gpm for structures greater than 3,600 SF. The Water Model was updated to follow these new fire flow requirements so future analyses can be conducted for homeowners that are conditioned to meet the updated fire flows as part of home improvements and building permit requirements.

2.6 Senate Bill 9 (Urban Lot Splits)

SB 9 was enacted in January 2022 to encourage housing development in urban environments. This bill allows a property owner to subdivide their single-family residential lot in two parcels and build additional residential units on their property. Local agencies must ministerially approve urban lot splits and building new housing units without discretionary review if the property owner meets the requirements set forth in the bill. The results of this bill to California state law are summarized below:

- Single-family residential homeowners are, in most cases, eligible to build a second unit within an existing lot. Single-family dwellings, accessory dwelling units (ADUs), or junior accessory dwelling units (JADUs) may be built.
- Single-family residential homeowners are, in most cases, eligible to divide their existing lot into two lots.



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

June 21, 2023,

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

Sent Via Email: mike@lhhcwd.com

Attention: Michael Gualtieri | General Manager

Subject: Fire Flow Requirements and Computer Model Simulations
Civiltec Job No. 2022153.00

Dear Mike:

Civiltec engineering, inc. (Civiltec) has provided professional engineering services and water system modeling to La Habra Heights County Water District (LHHCWD) since 1999. The District's initial water system computer model was developed by *Civiltec* as part of the 2000 Water System Master Plan effort. Since that time, the model has been updated and enhanced with every master plan update and has also been updated associated with new field flow tests that are used as new calibration points. LHHCWD's functioning hydraulic model was updated as part of the 2020 Water Master Plan planning efforts. The model was updated by incorporating new improvements that were constructed since 2015 and as recent as the Vista Del Llano pipeline project, completed in March 2022. Along with incorporating pipe age and material into the hydraulic model, calibration efforts were conducted by cross checking elevations using Google Earth and utilizing field fire flow tests and pressure station reads that were conducted by LHHCWD staff.

Ten locations were tested throughout LHHCWD's water system in 2020, five in the Upper Zone and five in the Lower Zone. Each location used two hydrants, one for pressure reads and one to determine flow. LHHCWD provided outlet diameters, static pressure, residual pressure, and pitot pressures at each test location to calculate input values that were used to calibrate the hydraulic model along with SCADA data containing reservoir levels and status of pumps during the time of each fire flow test. LHHCWD purposefully turned all pumps off during the 2020 tests.

This information was critical for the calibration of the model to determine flow during the test as well as the flow available at the desired residual pressure of 20 psi. LHHCWD staff provided us with data sheets that are used in the field to compute for those corresponding flows. One data sheet was used to determine the flow during the test by using the pitot gauge pressure and outlet diameter. The other data sheet contained values to use the pressure drops to calculate the flow available at the desired residual pressure of 20 psi by using the calculated flow during the test and the static and residual pressures during each individual test.

Once the flows were obtained, the model was program with the corresponding SCADA data to simulate similar conditions that were on the field during the flow tests to obtain simulated flows to compare the actual flows that occurred in the field. We calibrated the model to simulate flows within +/- 5 percent of the actual flow and pressures to be within +/- 3 psi in pressure drop difference. As a result of work accomplished on the construction and calibration of the water system computer



model, field conditions can be replicated with high confidence and the water system can be stressed with high demand scenarios.

Due to this type of work with computer models, fire jurisdictions began to accept computer model simulations for compliance with fire flow conditions in lieu of field tests. For example, the Los Angeles County Fire Marshall began to accept model simulations in 2013 in order to complete Forms 195 and 196 to document fire flow capabilities at specific locations. The advantage realized by the fire departments is the model can be programmed to simulate maximum day demand on the system, all pumps off and reservoirs half full. This is the recognized worst-case scenario. On the other hand, field tests of hydrants cannot duplicate the worst-case model scenario in that it is likely the demand is less than a maximum day, pumps are likely active, and reservoirs are typically close to full. Results are typically higher-pressure residuals and flows and therefore, not in compliance with the standard for worst-case scenario now mandated by most fire jurisdictions, including LA County Fire.

All water systems have been designed and constructed based upon a set of design criteria. This practice began in the early 1900s in Southern California with development of simple criteria as compared to modern water system planning efforts. While most systems were designed to supply domestic flow, fire flow capability became the most stringent criterion to meet by the 1950's. Therefore, you see numerous water systems with a grid of small diameter pipes supplemented by larger pipelines leading to the source of supply to pressure zones. A source of supply in this case is either a pump or reservoir or both. This upgrade tactic reduces friction losses in the piping system which allows higher flows at higher residual pressures. Once a water system is constructed, capabilities are somewhat fixed unless improvements are made.

Fire codes are updated often. The LA County Fire Code has been revamped, amended and supplemented approximately 735 times since 1950. Most of these updates are based upon lessons learned. Some are based upon densification, occupancy, and proximity to brush fuel zones. As mentioned, when water systems are constructed based upon a set of era criteria, capabilities are somewhat fixed. As code changes occur, proposed new development is affected, not existing development. Development that was constructed in the past likely complied with that era fire codes therefore, the water system had the capacity to provide proper service. As new development is proposed, it comes with new code requirements. In this case, the impact to the water system must fall upon the developer. Improvements to all infrastructure, not just the water system, due to a new development are the responsibility of the developer.

The 2022 Water Master Plan (WMP) states in Section 2.5 Fire Flow Requirements that the current 'grandfathered' fire flow requirement is 750 gallons per minute (gpm). This same acknowledgement of the required fire flow is stated in the 2000, 2005, 2010 and 2015 WMPs. The City of La Habra Heights Municipal Code (passed December 6, 2021) "Chapter 4.4.60 Chapter 5 - Adoption and Amendments" states the updated fire flow requirements shall be a minimum of 1,000 gpm for structures between 1 and 3,600 square feet (SF) and 1,500 gpm for structures greater than 3,600 SF. This is not a retroactive requirement for all existing structures and only impacts new development. The WMP goes on to state "the Water Model was updated to follow these new fire flow requirements so future analyses can be conducted for homeowners that are conditioned to meet the updated fire flows as part of home improvements and building permit requirements".

The 2022 WMP addresses fire flow requirements and hydrant spacing in section 6.1.10, Fire Flow and Fire Hydrant Spacing Requirements. This Section is within the Design Criteria Chapter. This Section reiterates Chapter 4.4 Fire Code of the La Habra Heights Municipal Code, which constitutes an amended version of the California Fire Code, 2019 Edition (Part 9 of Title 24 of the California Code of Regulations). If a hydrant cannot meet the fire flow requirements set in the La Habra Heights Municipal Code, the capacity of the hydrant should be brought up to current requirements prior to

La Habra Heights County Water District
Michael Gualtieri, General Manager
Fire Flow Requirements and Computer Model Simulations
June 21, 2023
Page 3



(1) land subdivision, (2) construction or (3) the installation/alteration of the water system. Again, indicating this is not a retroactive requirement for the existing community. If none of these three conditions exists, the hydrant was subject to a lower standard at the time of installation and this lower standard has been 'grandfathered' (aka allowable nonconformity). The fire flow requirement for current, 'grandfathered' structures is 750 gpm for two hours.

Please contact the undersigned directly with any comments or questions.

Sincerely,

Civiltec engineering, inc.

A handwritten signature in blue ink, appearing to read "W. David Byrum".

W. David Byrum, PE
President, Principal Engineer

X:\2022\2022154.00-LHHCWD-Fire Flow Modeling\Documents\LHHCWD Fire Flow Simulations Memo.docx

4.4.60 Chapter 5—Adoption and Amendments

California Fire Code Chapter 5, Fire Service Features, is adopted in its entirety with the following amendments:

A. 505.1 Address identification. New and existing buildings shall be provided with approved address identification. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property. Address identification characters shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall not be spelled out. Each character shall be not less than 4 inches (102 mm) high with a minimum stroke width of one-half inch (12.7 mm). Where required by the fire code official, address identification shall be provided in additional approved locations to facilitate emergency response. Buildings with setback from the street of more than 100 feet, or where the building address cannot be viewed from the from the fire department access road, a monument, pole or other sign shall be provided to identify the address. Each character on the monument, pole or other sign shall be not less than 4 inches (102 mm) high with a minimum stroke width of one-half inch (12.7 mm) and shall have contrasting background. Address identification shall be maintained and visible at all times. All numbers shall be reflective.

B. 507.3 Fire Flow. Fire flow shall be a minimum of 1000 GPM for structures 1-3,600 ft² and 1,500 GPM for structures greater than 3,600 ft². The Fire Department shall review all construction applications and verify that sufficient fire flow exist before a building permit is issued.

Exceptions:

1. The City Council may waive the fire flow requirements when the City Council upon recommendation of the Fire Department finds that there are sufficient alternate sources of water available to adequately protect existing and proposed structures. In waiving the fire flow requirement, the City Council may attach such conditions to the waiver as it deems necessary to protect the public health, safety, and welfare.

2. Either of the following is exempt from the requirements of this Subsection:

a. Additions to existing residential structures not exceeding one thousand (1,000) square feet in area in any twelve (12) month period.

b. Alterations or repairs to existing residential structures in any twelve (12) month period not exceeding fifty (50) percent of the value of existing structures, accessory buildings to existing dwellings, and agricultural areas.

3. The City Council may establish further exceptions to the fire flow requirements when acting on the recommendation of the Fire Chief that such exceptions will be adequate to protect health and safety without requiring excessive public or private expenditures.

C. 507.5.1 Where required. Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than 400 feet (122 m) from a hydrant on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains shall be provided where required by the fire code official.

Exception: Additions less than 1,000 ft².

(Ord. 2019-04 § 3; Ord. 2016-06 § 2)

4.4.70 Chapter 9—Adoption and Amendments

California Fire Code Chapter 9, Fire Protection Systems, is adopted in its entirety with the following amendments:

A. 903.2.8. Group R. An automatic sprinkler system installed in accordance with Section 903.3 shall be installed in all of the following buildings, or portions of buildings, unless it is established to the satisfaction of the Fire Chief that the installation of such interior fire sprinkler system would impose an undue burden and the absence of an interior fire sprinkler system would not significantly increase the fire risk or hazard:

1. Any new residence, detached habitable structure, detached garage exceeding one thousand (1,000) square feet, or commercial structure regardless of the construction materials.

2. Existing and new portions of an existing building when more than twenty-five (25) percent of the existing roof structure is replaced by the addition of a second story, more than seventy-five (75) percent of the existing roof structure is replaced, or floor

area is increased by more than seventy-five (75) percent.

3. Any residential addition(s), including attached or detached garages, attics, second stories, or other living areas, exceeding one thousand (1,000) square feet of floor area in any twelve (12) month period.

4. Any structure in which more than fifty (50) percent of the existing drywall is removed or disturbed.

5. That portion of any structure having more than one thousand (1,000) square feet of ceiling area removed or disturbed.

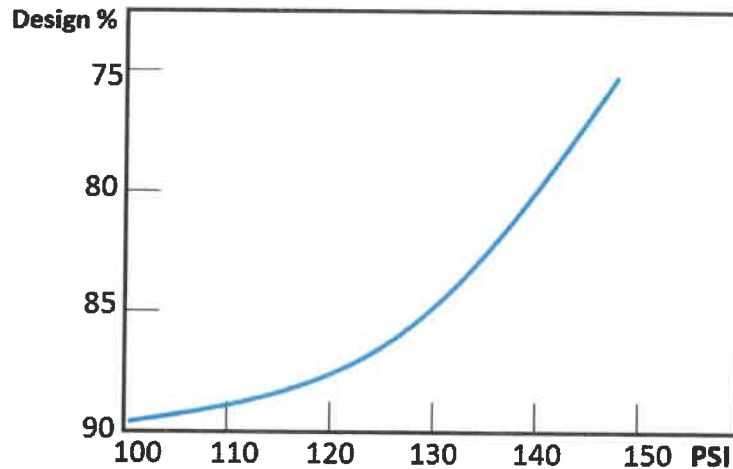
6. Any attic area greater than fifty (50) square feet in floor area with a roof pitch greater than six (6) feet in twelve (12) linear feet.

B. 903.3.3.5.3 Hydraulically calculated systems. The design of hydraulically calculated fire sprinkler systems shall not exceed 90% of the water supply capacity.

Exception: When static pressure exceeds 100 psi, and required by the Fire Code Official, the fire sprinkler system shall not exceed water supply capacity specified by Table 903.3.5.3.

TABLE 903.3.5.3

Hydraulically Calculated Systems



UPDATED 6/1/23

LA HABRA HEIGHTS COUNTY WATER DISTRICT
WATER AVAILABILITY STATEMENT

PART I – INFORMATION

Tax Assessors Number _____

Building Address _____ Number of Stories _____

Property Type: Primary House _____ ADU House _____ SB 9 House _____

Nearest Cross Street _____ Distance to Nearest Cross Street _____

Property Owner _____
Name Telephone No.

Address City Zip Code

Signature of Applicant _____ Date _____

PART II – STATEMENT OF POTABLE WATER SERVICE

A. Potable water service is available to the above referenced property with an estimated _____ psi static pressure at the meter. The meter size is _____ inches.

B. Potable water service is NOT available to the above referenced property until financial arrangements have been made in accordance with comments, below.

PART III – STATEMENT OF FIRE FLOW

Fire flow test was performed in the field.

A fire flow test was made on a fire hydrant located at _____
Fire hydrant configuration: _____ inch riser with _____ x _____ opening head. The flow was _____ GPM at 20 psi residual pressure. Static pressure in the water main at the location was _____ psi. (The La Habra Heights County Water District will supply only such quantities of water at such pressure as may be available from time to time because of the normal operations of the system and shall have no liability for loss or damage to persons or property resulting from inadequate pressure or flows.)

Fire flow test was computer model simulated.

Fire flow scenarios are set for Maximum Day Demand (MDD) plus the required fire flow. All pumps and water system interconnections are off in the system and reservoirs are set at 1/2 full. Flow results of the simulation are provided at 20 psi residual. The flow was _____ GPM at 20 psi residual pressure.

A. The distance from the fire hydrant tested to the proposed structure is _____ feet, by way of vehicular access. (This distance was determined from plot plan furnished to the District and on file with the District, or by physical measurement.)

B. Distance between proposed structure and fire hydrant cannot be certified since information was not provided to the District.

PART IV – COMMENTS

This statement is valid for 1 year from the date hereon. It is valid only for the owner appearing in Part I.

Signature _____ Title _____ Date _____

cc: City of La Habra Heights Applicant

LA HABRA HEIGHTS VOLUNTEER FIRE DEPARTMENT

Approved by _____ Date _____ Disapproved by _____ Date _____

**DISCUSS AND APPROVE
PURCHASING CENTRAL BASIN
WATER RIGHTS**

LA HABRA HEIGHTS COUNTY WATER DISTRICT

MEMORANDUM

DATE: JUNE 21, 2023
TO: BOARD OF DIRECTORS
FROM: MICHAEL GUALTIERI, SECRETARY/ GENERAL MANAGER
SUBJECT: PURCHASING WATER RIGHTS IN CENTRAL BASIN

Attached please find the letter from EcoGas, offering the District the right of first refusal to purchase up to 62 Acre Feet (AF) of water rights in Central Basin.

The District owns 2,668 AF of water rights in Central Basin. If purchased, these water rights would bring the District's water rights to 2,730 AF.

Attached is a spreadsheet showing our production in AF from 2007/2008 through 2021/2022. This also reflects our usage for our current fiscal year July 2022 through May 2023. Our 5-year average is 2,904 AF, 10-year average 2,865 AF, and 15-year average 2,864 AF. Please note this is AF production numbers not AF in sales numbers. The difference is the District experiences water loss in the water system from production to sales.

LA HABRA HEIGHTS COUNTY WATER DISTRICT
Production in Acre Feet

	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23 thru May	5 year average	10 year average	15 year average
Groundwater	3155	2,971	2,701	2,628	2,863	3,141	3,303	2,739	2,504	2,441	3,069	2694	2778	3070	2910	1992	2,904	2,865	2,864
Import	93	56	75	3	-	22	113	276	91	90	18	0	0	57	0	0	15	72	60
Import water used	166	91	2	37	14	23	13	15	17	22	61	2	7	0	0	0	14	16	31



May 12, 2023

Mr. Michael Gualtieri
General Manager
La Habra Heights County Water District
1271 N. Hacienda Road
La Habra Heights, CA 90631

Re: Central Basin Groundwater Rights Sales Offer Letter

Mike,

Thank you again for your District's interest in our client's available groundwater rights.

As mentioned, EcoGas Inc. is now formally contracted to assist in the sale of **62** acre-feet ("AF") of perpetual and permanent Central Basin groundwater rights. The offer price is **\$16,000** per AF. This is equivalent to a total purchase price of **\$992,000**.

This asking price represents;

- Over the past three (3) years, a modest 2.2% average annual price increase since LHCWD's last semi-comparably sized purchase for 20 AF at \$15,000/AF (on 6/17/2020).
- Over the past eight (8) years, a 2.875% average annual price increase since LHCWD's comparably sized purchase of 50 AF at \$13,000/AF (on 5/1/2014).
- Equal to the last price paid by the District for 2 AF in December 2022.
- Rare opportunity to purchase 60+ acre feet parcel at a single price.

Upon transfer, these rights will be available to LHCWD for immediate use until perpetuity. We believe that this asking price is supportable based upon a thorough review of current market demand and supply conditions, inflation rates, alternative water supply costs, recent Central Basin sales and analyses of future pricing.

Any acquisition of water rights by LHCWD is subject to approval by the Central Basin Watermaster. Further, it is to be implemented in accordance with the terms of a standardized and mutually beneficial Purchase & Sale Agreement with our client that will be provided at no additional cost.

Thank you again for your time and consideration. I look forward to hearing back after your May 24th meeting.

Best,

A handwritten signature in black ink that reads "Ken Scott".

Ken Scott
Managing Partner
EcoGas, Inc.

RESOLUTION NO. 23-05

**RESOLUTION OF THE BOARD OF
DIRECTORS OF
LA HABRA HEIGHTS COUNTY
WATER DISTRICT
ADJUSTING SALARIES OF DISTRICT
EMPLOYEES
FISCAL YEAR JULY 1, 2023
THROUGH JUNE 30, 2024**

LA HABRA HEIGHTS COUNTY WATER DISTRICT

MEMORANDUM

DATE: JUNE 21, 2023

TO: BOARD OF DIRECTORS

FROM: MICHAEL GUALTIERI, SECRETARY/ GENERAL MANAGER

SUBJECT: RESOLUTION 23 – 05, SALARY SCHEDULE

Attached please find Resolution 23 – 05, 2023/2024 Salary Schedule.

The schedule reflects a 5% increase to all positions except for the General Manager's position. The General Manager's position reflects a 2% increase approved at the May 2023 board meeting.

RESOLUTION NO. 23-05

RESOLUTION OF THE BOARD OF DIRECTORS OF
LA HABRA HEIGHTS COUNTY WATER DISTRICT
ADJUSTING SALARIES OF DISTRICT EMPLOYEES

A. RECITALS

(i) The Board of Directors of the La Habra Heights County Water District adopted the Employees Policies and Procedures Manual and a Monthly Salary Schedule of salaries for District employees by Resolution No. 13-06 on September 10, 2013.

(ii) The Board of Directors has, from time-to-time, adopted revised Monthly Salary Schedules.

(iii) The most recently adopted Monthly Salary Schedule was adopted by Resolution No. 22-10 on June 28, 2022.

(iv) The Board of Directors desires to adjust the salaries of District employees.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF THE LA HABRA HEIGHTS COUNTY WATER DISTRICT DOES HEREBY RESOLVE, DETERMINE AND ORDER AS FOLLOWS:

1. The Monthly Salary Schedule adopted by Resolution No. 22-10 is hereby repealed and a new Monthly Salary Schedule, which is attached hereto as Exhibit "A", is hereby adopted and is effective July 1, 2023.

2. The Secretary/General Manager is hereby directed to replace the repealed Monthly Salary Schedule with the newly adopted Monthly Salary Schedule (Exhibit "A").

ADOPTED AND APPROVED this 11th day of July 2023.

(SEAL)

Brad Cooke, President
Board of Directors, La Habra
Heights County Water District

ATTEST:

Michael Gualtieri, Secretary

I, MICHAEL GUALTIERI, Secretary of the Board of Directors of La Habra Heights County Water District do hereby certify that the foregoing Resolution was introduced at a regular meeting of the Board of Directors of said District, held on the 11th day of July 2023 and was adopted at that meeting by the following vote:

AYES:

NOES:

ABSENT:

Michael Gualtieri, Secretary
Board of Directors of La Habra
Heights County Water District

EXHIBIT "A"
LA HABRA HEIGHTS COUNTY WATER DISTRICT
Monthly Salary Schedule
Fiscal Year 2023 – 2024

Management Personnel

	<u>Minimum</u>	<u>Median</u>	<u>Maximum</u>
General Manager	12577	14396	16213
Treasurer/Office Manager	10627	12269	13911
Superintendent	10007	11552	13097

Hourly Personnel

	<u>Minimum</u>	<u>Median</u>	<u>Maximum</u>
Utility Worker III	6990	8070	9150
Utility Worker II	5853	6756	7659
Utility Worker I	4872	5625	6378
Management Assistant/ Accountant	5981	6905	7828
Customer Service/ Accounting Clerk	5139	5933	6728

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

**DISCUSS AND APPROVE
SB 552
WATER CONTINGENCY PLAN**

LA HABRA HEIGHTS COUNTY WATER DISTRICT

MEMORANDUM

DATE: JUNE 21, 2023

TO: BOARD OF DIRECTORS

FROM: MICHAEL GUALTIERI, SECRETARY/ GENERAL MANAGER

SUBJECT: SB 552 – WATER CONTINGENCY PLAN

Attached please find SB 552, water contingency plan for the District. This item will be on agenda for discussion and approval.

La Habra Heights County Water District Water Supply Contingency

Section I: Purpose and Intent

In order to conserve the available water supply and protect the integrity of supply facilities, with particular regard for domestic water use, sanitation, and fire protection, to protect and preserve public health, welfare, and safety and minimize the adverse impacts of water supply shortage or other water supply emergency conditions, La Habra Heights County Water District (hereinafter "LHHCWD") hereby adopts the following regulations and restrictions on the delivery and consumption of water through this Water Shortage Contingency Plan (Plan).

Water uses regulated or prohibited under this Plan are considered to be non-essential and continuation of such uses during times of water shortage or other emergency water supply condition are deemed to constitute a waste of water subjecting the offender(s) to enforcement of penalties as defined in Section VI of the Plan.

Section II: Authorization

The General Manager, Michael Gualtieri, is hereby authorized and directed to implement the applicable provisions of this Plan upon determination that such implementation is necessary to protect public health, safety, and welfare.

Section III: Coordination with Regional Water Planning Groups and Mutual Aid Network

The service area of the LHHCWD is located within the Central Basin. The Central Basin Watermaster's water planning and assessment documents were considered in the development of the Plan. LHHCWD is a member of the California Water/Wastewater Agency Response Network (CalWARN) which was included in the development of this Plan.

Section IV: Drought Triggers, Response and Termination Criteria

The drought and water shortage triggers, response, and terminations discussed in this document provide details on when varying levels of responses will be implemented and then subsequently terminated. LHHCWD's Board of Directors may choose to make modifications to the triggers, response, and terminations depending on real-time scenarios, however these triggers, response and terminations stand in the absence of other Board decisions. The levels and actions identified herein are based on information and conditions currently known to LHHCWD, which reserves the right to amend these levels and actions as new information, or conditions emerge.

STAGE 1 WATER SHORTAGE (WARNING)

- Stage 1 Triggers

Whenever County, State, Federal Government, Water Master, or LHHCW Board of Directors calls for a voluntary reduction of water use due to drought or water shortage conditions.

- Stage 1 Response and Mitigation

- Encourage customers of LHHCW Board to reduce non-essential water usage.
- Decrease fire hydrant flushing from regular flushing routine to only as needed for colored water or other water quality issues.
- Increase monitoring of groundwater levels from weekly to daily.
- Inform appropriate County, State, Federal Government, Water Master, or LHHCW Board of Directors when a drought or water shortage Emergency is emerging or has occurred.

STAGE 2 WATER SHORTAGE (EMERGENCY)

- Stage 2 Triggers

Whenever County, State, Federal Government, Water Master, or LHHCW Board of Directors issue Drought Emergency Orders, or during unforeseen emergency situations that require restriction or shut off water service or transportation to restore LHHCW's capability to produce, transport or store water.

- Stage 2 Response and Mitigation (in addition to Stage 1)

- Enforcement of any restrictions imposed by County, State, or Federal Emergency by requiring customers to comply with restrictions of water usage.
- Activate MWD connection as needed to supplement supply.
- Contact appropriate contractors/agencies deemed necessary for restoration of water production or repair of water storage and/or distribution capabilities.
- Inform appropriate County, State, Federal Government, Water Master, or LHHCW Board of Directors when a Catastrophic drought or water shortage is emerging.

STAGE 3 WATER SHORTAGE (CATASTROPHIC)

- Stage 3 Triggers

Whenever Emergencies and Catastrophic Events such as extreme drought, fire, earthquake, etc. resulting in potential extended water outages has occurred.

- Stage 3 Response and Mitigation (in addition to Stage 1&2)

- Reduce water usage to “As needed for human health” or implement allocation plan requirements depending on situation.
- Inspect reservoirs and key pipelines within distribution system.
- Inspect wells and collect groundwater measurements.

Section V: Termination Criteria of Water Shortage Conditions

Various stages of this Plan may be terminated or reduced when water shortage conditions resulting in any Drought Declaration issued by the County, State, Federal Government, Water Master, or LHHCWWD Board of Directors have been alleviated or when unforeseen emergency situations have been mitigated to allow LHHCWWD to transport or store water.

Section VI: Enforcement

LHHCWWD will have authority to enforce all water use restrictions as defined by County, State, Federal Government, Water Master, or LHHCWWD Board of Directors.

Section VII: Description of Customer Notification Methods to be Used.

The General Manager, or designee, shall notify the public by the following Methods:

- Method 1: Notice on the District’s website.
- Method 2: Direct Mail to each customer, in bill or flyer format
- Method 3: Direct contact with residents through telephone notification or delivery of door hang tags.

Appendix A

Public Safety, State, Local Contacts, Support Services and Potential Vendors:

The General Manager, or designee, shall directly notify the following individuals and entities of restrictions and water shortages, as defined in the subsections below, as appropriate for each response stage.

Organization or Department	Name & Position	Telephone	Email
La Habra Heights County Water District	Michael Gualtieri General Manager	562-697-6769	MIKE@LHHCWD.COM
Water Hauler Vendor	Alto Systems Inc. Pomona CA	909-468-5500	N/A
City of La Habra Heights Fire Dept.	Mitch Brookhyser Interim Fire Chief	562-694-8283	MBROOKHYSER@LHHCITY.ORG
City of La Habra Heights	Fabiola Huerta City Manager	562-694-6302 Ext. 227	FHUERTA@LHHCITY.ORG
Orchard Dale Water District	Ed Castaneda General Manager	562-941-0114	ECASTANEDA@ODWD.ORG
County Office of Emergency Services	Dan Lafferty DPW Water Resources Deputy Director	(626) 458-4012	DLAFF@PW.LACOUNTY.GOV
CalWARN	Alix Stayton CalWarn Region 1 Chair	626-598-1627	ASTAYTON@PWAGROUP.ORG
State Water Board District Engineer	Dmitriy Ginzburg, P.E. District Engineer, Hollywood District	818-551-2022	DMITRIY.GINZBURG@WATERBOARDS.CA.GOV
MWD connection info	Central Basin MWD connector CB-47	323-681-4010	N/A

**DISCUSS AND APPROVE
"H2O PIPELINE" SUMMER 2023**

LA HABRA HEIGHTS COUNTY WATER DISTRICT

MEMORANDUM

DATE: JUNE 21, 2023

TO: BOARD OF DIRECTORS

FROM: MICHAEL GUALTIERI, SECRETARY/ GENERAL MANAGER

SUBJECT: SUMMER 2023 "H2O" PIPELINE

Attached please find "H2O Pipeline" for Summer 2023.



H₂O PIPELINE

Summer 2023

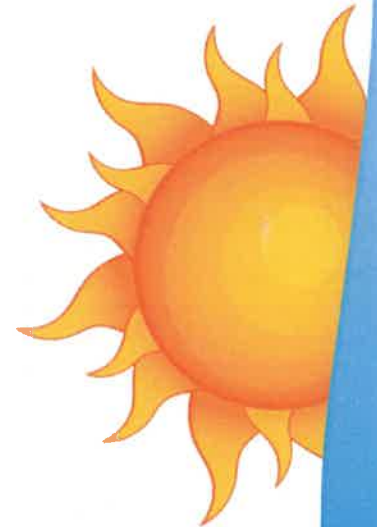
A PUBLICATION OF LA HABRA HEIGHTS COUNTY WATER DISTRICT

NEW WATER RATES

On May 23, 2023, the Board of Directors adopted the new water rates for fiscal year 2023/2024. These increases are the approved rates from the District Rate Hearing on May 16, 2023, based on the 2023 Water Rate Study.

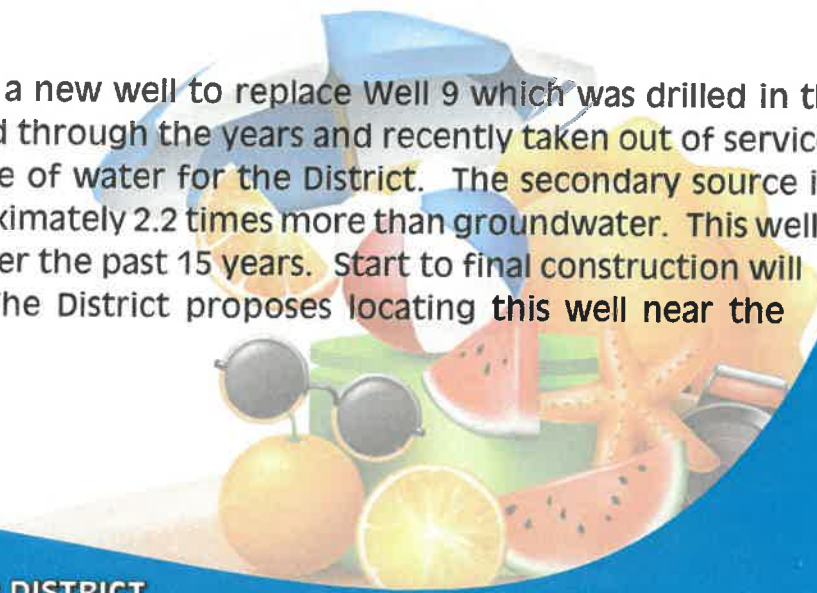
<u>Water Usage Charge, per hcf = 748.8 gallons</u>		
<u>Zone</u>	<u>Previous Rate</u>	<u>New Rate</u>
Upper	2.78	2.98
Lower	2.50	2.60

<u>Readiness To Serve Charge</u>		
<u>Meter Size</u>	<u>Previous Rate</u>	<u>New Rate</u>
5/8"	47.66	52.78
3/4"	47.66	52.78
1"	79.40	86.51
1-1/2"	158.76	170.85
2"	254.00	272.05
3"	555.57	592.51
4"	1,000.02	1,064.78
6"	2,222.18	2,194.85
Fire Hydrant Meter	555.57	592.51



WELL 12

It has become necessary to install a new well to replace Well 9 which was drilled in the 1950's. Well 9 has been maintained through the years and recently taken out of service. Groundwater is the primary source of water for the District. The secondary source is imported water which costs approximately 2.2 times more than groundwater. This well project has been contemplated over the past 15 years. Start to final construction will take approximately two years. The District proposes locating this well near the existing Well 9.



LA HABRA HEIGHTS COUNTY WATER DISTRICT

1271 N. Hacienda Road • La Habra Heights, CA 90631 • Ph: (562) 697-6769 • www.lhhcwnd.com

RESERVOIR CAPACITY

The District has six reservoirs within La Habra Heights that hold water totaling 9.56 million gallons throughout the water system. 9.56 million gallons represents around 29 football fields one foot deep in water. Reservoirs serve various purposes for the community. Most importantly is fire protection, providing water availability when firefighting is necessary. Next, having water readily available when turning on your faucet. Also, the Insurance Services Office (ISO) rates our system using various parameters and one of those is how much water is stored in District reservoirs. As you can see, there are many benefits of providing customers with water storage in reservoirs.

EMPLOYEES CELEBRATE 20 YEARS SERVICE



Michelle Perez marks 20 years of service with the District. She started employment as a temporary employee in August 2002 as Data Entry Operator then hired as a regular employee in March 2003. In August 2005 Ms. Perez was promoted to Management Assistant/Accountant. In 2006, she earned an Associate of Science in General Studies from Rio Salado College and a Bachelor of Science in Business Administration from the University of Phoenix. Additionally, Ms. Perez achieved a Master of Science in Accountancy in November 2014. She has gathered much knowledge about the District and water industry during her years of service to the District.

Ms. Perez enjoys traveling and spending time with her family. She is married to Jaime and they have one son, Michael.

In addition, Dale Snooks began employment with the District in July 2003 as a Utility Worker I. Mr. Snooks attended Rancho Santiago College and achieved his State of California Department of Public Health Water Distribution Grade I certification. He, too, has gathered much knowledge about the District and water industry during his years of service to the District.



He has two children, Casey and Kelly.

Mission of the District

To provide high quality potable water service at a reasonable cost to the public residing within the District boundaries.



BOARD OF DIRECTORS

Brad Cooke, *President*

Pam McVicar, *Vice President*

Karen Baroldi, *Director*

Mark Perumean, *Director*

James Crabb, *Director*