AGENDA

REGULAR CITY COUNCIL MEETING
COUNCIL CHAMBERS
5000 CLARK AVENUE
LAKEWOOD, CALIFORNIA

August 13, 2019

ADJOURNED MEETING: Pillars/Legends of Lakewood 6:00 p.m.
EXECUTIVE BOARD ROOM

CLOSED SESSION
CONFERENCE WITH LABOR NEGOTIATORS – Pursuant to Government Code §54957.6
Agency Designated Representative: City Manager, Office of the City Attorney and Liebert Cassidy Whitmore, Director of Administrative Services, Assistant to the City Manager, Human Resources Manager, Personnel Technician
Employee Organization: Lakewood City Employees' Association *PAN AMERICAN ROOM*

CALL TO ORDER 7:30 p.m.

INVOCATION: Mr. Ahmed Rafi, Member of the Lakewood Muslim Community

PLEDGE OF ALLEGIANCE: Scout Troop 134

ROLL CALL: Mayor Todd Rogers
Vice Mayor Jeff Wood
Council Member Steve Croft
Council Member Diane DuBois
Council Member Ron Piazza

ANNOUNCEMENTS AND PRESENTATIONS:
Presentation by Greater Los Angeles Vector Control District Representative, Anais Medina Diaz, Regarding Mosquito Control

ROUTINE ITEMS:
All items listed within this section of the agenda are considered to be routine and will be enacted by one motion without separate discussion. Any Member of Council may request an item be removed for individual discussion or further explanation. All items removed shall be considered immediately following action on the remaining items.

RI-1 MEETING MINUTES - Staff recommends City Council approve Minutes of the Meetings held June 11, and July 23, 2019

RI-2 PERSONNEL TRANSACTIONS - Staff recommends City Council approve report of personnel transactions.

RI-3 REGISTERS OF DEMANDS - Staff recommends City Council approve registers of demands.

RI-4 CITY COUNCIL COMMITTEES' ACTIVITIES - Staff recommends City Council approve report of City Council Committees' activities.

ROUTINE ITEMS: - Continued

RI-5 MONTHLY REPORT OF INVESTMENT TRANSACTIONS - JULY 2019 - Staff recommends City Council approve monthly report of investment transactions.

RI-6 RESOLUTIONS OF DESTRUCTION FOR OBSOLETE CITY RECORDS MORE THAN TWO YEARS OLD IN ACCORDANCE WITH STATE LAW, RESOLUTIONS NO. 2019-29 THROUGH NO. 2019-36 - Staff recommends City Council adopt proposed resolutions.

RI-7 AGREEMENTS WITH LEW EDWARDS GROUP AND FM3 RESEARCH FOR COMMUNITY ENGAGEMENT AND PUBLIC OPINION SURVEYING RELATED TO THE CITY'S FISCAL SITUATION - Staff recommends City Council authorize Mayor to execute contracts subject to approval as to legal form by City Attorney, in amounts not to exceed $34,500, for Lew Edwards Group, and $24,800, for FM3 Research, and that those funds be appropriated from General Fund.

RI-8 RESOLUTION NO. 2019-37; ESTABLISHING EMPLOYEE BENEFITS, DEFINING THE CONDITIONS AND HOURS OF EMPLOYMENT AND ADOPTING A CLASSIFICATIONS AND COMPENSATION PLAN FOR UNREPRESENTED CITY OFFICERS & EMPLOYEES - Staff recommends City Council adopt the proposed resolution.

RI-9 RESOLUTION NO. 2019-38; REPEALING RESOLUTION NO. 2018-38 PERTAINING TO HOURLY-RATED PART-TIME EMPLOYEES AND ENACTING A PERSONNEL RESOLUTION ESTABLISHING COMPENSATION, RULES AND REGULATIONS PERTAINING TO HOURLY-RATED PART-TIME EMPLOYEES - Staff recommends City Council adopt the proposed resolution.

RI-10 RESOLUTION NO. 2019-39; ESTABLISHING PAYING AND REPORTING THE VALUE OF EMPLOYER PAID MEMBER CONTRIBUTION FOR UNREPRESENTED CITY OFFICERS AND EMPLOYEES - Staff recommends City Council adopt the proposed resolution.

RI-11 AGREEMENT WITH CITY OF CERRITOS TO COST SHARE DEL AMO PAVING MAINTENANCE EAST OF BLOOMFIELD - Staff recommends City Council authorize Mayor to execute agreement setting forth conditions for reimbursement of proposed paving maintenance work to be done at Del Amo Boulevard between Bloomfield Avenue and eastern City limit at Coyote Creek in form approved by City Attorney; authorize Measure R funds be used for project in amount up to $60,000; and authorize City Manager to determine, after bid opening, if Lakewood should continue to participate in project.

RI-12 AMENDMENT NO. 7 FOR FILTRATION ALTERNATIVE STUDY FOR MAYFAIR PARK WATER CAPTURE PROJECT WITH TETRA TECH, INCORPORATED - Staff recommends City Council approve Amendment No. 7 to contract to provide Filtration Alternative Study and subsequent design and coordination services for Mayfair Park Storm Water Capture Project in amount of $31,048 and authorize the Mayor sign amendment in a form approved by City Attorney.

RI-13 FACILITIES MAINTENANCE ANNUAL PROJECTS - Staff recommends City Council appropriate funds for Park Hardscape ($50,000), Fire and Security ($25,000), and Fence (($25,000) Annual Projects from reserve for Capital Improvements.

RI-14 PURCHASE OF RIDING MOWER FOR RCS-ERD - Staff recommends City Council approve purchase of Toro Groundmaster 3280D mower at proposed contract price of $25,095.69 from Turf Star of Brea, CA.

PUBLIC HEARINGS:

1.1 CONFIRMING REPORT OF DELINQUENT FEES AND CHARGES FOR GARBAGE, WASTE AND REFUSE COLLECTION AND DISPOSAL, RESOLUTION NO. 2019-40 - Staff recommends City Council hold a public hearing and adopt proposed resolution confirming Report of Delinquent Fees.

1.2 FINDING THE CITY TO BE IN CONFORMANCE WITH CONGESTION MANAGEMENT PROGRAM (CMP) AND ADOPTING THE CMP LOCAL DEVELOPMENT REPORT, RESOLUTION NO. 2019-41 - Staff recommends City Council hold a public hearing and adopt proposed resolution finding City to be in conformance and adopting CMP Local Development Report.

1.3 PUBLIC HEALTH GOALS REPORT (2016-2018) - Staff recommends City Council hold a public hearing to accept and respond to public comments on the City of Lakewood Water System Public Health Goals Report for 2016-2018.

REPORTS:

3.1 SUBMITTAL OF JUSTICE ASSISTANCE GRANT (JAG) PROGRAM FUNDING - Staff recommends City Council approve the submittal of the JAG Program funding for License Plate Reader system; authorize City Manager to apply for grant and sign appropriate paperwork; and direct the Director of Finance and Administrative Services to appropriate $17,872 in the FY2019-2020 budget when grant is awarded.

3.2 AWARD PROFESSIONAL SERVICES AGREEMENT (PSA) FOR CONSULTING SERVICES FOR WELL #28 DRILLING PROJECT - Staff recommends City Council award a PSA for Consulting Services for Water Well #28 Drilling Project to Geoscience Support Services, Inc. of LaVerne, CA, until such time that a notice of completion is filed for construction of drilling a new well for a not to exceed cost of $189,000, by June 30, 2022, and authorize Mayor to execute contract.

ORAL COMMUNICATIONS:

ADJOURNMENT

Routine Items

Routine Item 1 – City Council Minutes

will be available prior to the meeting.

DIVIDER SHEET

COUNCIL AGENDA
August 13, 2019

TO: The Honorable Mayor and City Council

SUBJECT: Report of Personnel Transactions

Name	Title	Schedule	Effective Date
1. FULL-TIME EMPLOYEES			
A. Appointments			
Nicholas Nieman	Water Utility Worker	12/A	07/29/2019
B. Changes			
None			
C. Separations			
None			
2. PART-TIME EMPLOYEES			
A. Appointments			
Brandon Deforeest	Maintenance Trainee I	B	07/28/2019
Melody Fernandez	Relief Telephone Operator	B	07/22/2019
B. Changes			
None			
C. Separations			
Wanda Jordan	Relief Telephone Operator	B	07/23/2019

Thaddeus McCormack
City Manager

DIVIDER SHEET

CITY OF LAKEWOOD
FUND SUMMARY 7/25/2019

In accordance with section 2521 of the Lakewood Municipal Code there is presented herewith a summary of obligations to be paid by voucher 93749 through 93865. Each of the following demands has been audited by the Director of Administrative Services and approved by the City Manager.

1010	GENERAL FUND	251,464.18
1015	SPECIAL OLYMPICS	218.99
1020	CABLE TV	396.49
1030	CDBG CURRENT YEAR	769.25
1035	CASP CERTIFICATION & TRNG FUND	8.00
1050	COMMUNITY FACILITY	5,092.67
1621	LA CNTY MEASURE R	21,437.32
3001	CAPITAL IMPROV PROJECT FUND	131,620.13
3060	PROPOSITION "A"	132,104.00
3070	PROPOSITION "C"	201.33
5010	GRAPHICS AND COPY CENTER	949.39
5020	CENTRAL STORES	3,312.55
5030	FLEET MAINTENANCE	6,432.63
7500	WATER UTILITY FUND	59,662.37
8020	LOCAL REHAB LOAN	700.00
8030	TRUST DEPOSIT	3,790.00
		618,159.30

Council Approval

Date

City Manager

Attest

City Clerk

Director of Administrative Services

CITY OF LAKEWOOD
SUMMARY CHECK REGISTER

CHECK #	CHECK DATE	VEND #	VENDOR NAME	GROSS	DISC.	CHECK AMOUNT
93749	07/25/2019	5179	ALS GROUP USA. CORP.	135.00	0.00	135.00
93750	07/25/2019	4684	AMAZON.COM LLC	492.66	0.00	492.66
93751	07/25/2019	1935	BREA. CITY OF	38,784.00	0.00	38,784.00
93752	07/25/2019	6600	CALIFORNIA STATE DEPT OF JUSTICE	3,533.00	0.00	3,533.00
93753	07/25/2019	62164	CARD INTEGRATORS CORP	248.45	0.00	248.45
93754	07/25/2019	988	CDW LLC	5,258.48	0.00	5,258.48
93755	07/25/2019	4776	CORELOGIC. INC.	38.50	0.00	38.50
93756	07/25/2019	27200	DICKSON R F CO INC	44,631.38	0.00	44,631.38
93757	07/25/2019	4995	ILLINOIS TOOL WORKS	288.27	0.00	288.27
93758	07/25/2019	5282	EVERYDAY ENVELOPE & PRINTING LLC	191.63	0.00	191.63
93759	07/25/2019	52316	FEDERAL EXPRESS CORP	497.55	0.00	497.55
93760	07/25/2019	4947	FILE KEEPERS. LLC	20.00	0.00	20.00
93761	07/25/2019	3188	GALLS LLC/OUARTERMASTER LLC	397.63	0.00	397.63
93762	07/25/2019	34845	GLASBY MAINTENANCE SUPPLY CO	150.78	0.00	150.78
93763	07/25/2019	65779	GOLDEN STATE WATER COMPANY	15,274.99	0.00	15,274.99
93764	07/25/2019	5257	GRANITE TELECOMMUNICATIONS. LLC	353.24	0.00	353.24
93765	07/25/2019	4886	GROH. MARK LEE	200.00	0.00	200.00
93766	07/25/2019	35477	HARA M LAWNMOWER CENTER	580.35	0.00	580.35
93767	07/25/2019	4880	HODGE PRODUCTS INC.	342.80	0.00	342.80
93768	07/25/2019	4180	JONES RICHARD D. A PROF LAW CORP	3,860.10	0.00	3,860.10
93769	07/25/2019	53849	LAKEWOOD ROTARY CLUB	222.00	0.00	222.00
93770	07/25/2019	18400	LAKEWOOD. CITY WATER DEPT	1,427.54	0.00	1,427.54
93771	07/25/2019	21600	LOS ANGELES CO SHERIFFS DEPT	16,027.85	0.00	16,027.85
93772	07/25/2019	23130	MC MASTER-CARR SUPPLY CO	176.96	0.00	176.96
93773	07/25/2019	44426	NORWALK. CITY OF	264.00	0.00	264.00
93774	07/25/2019	4443	O'REILLY AUTOMOTIVE STORES INC	709.91	0.00	709.91
93775	07/25/2019	47554	OFFICE DEPOT BUSINESS SVCS	934.47	0.00	934.47
93776	07/25/2019	63708	DY-JO CORPORATION	740.00	0.00	740.00
93777	07/25/2019	65659	PHASE II SYSTEMS INC	3,351.21	0.00	3,351.21
93778	07/25/2019	50512	PATHWAYS VOLUNTEER HOSPICE	750.00	0.00	750.00
93779	07/25/2019	15600	LONG BEACH PUBLISHING CO	977.40	0.00	977.40
93780	07/25/2019	3848	OUALITY FENCE COMPANY. INC.	4,700.00	0.00	4,700.00
93781	07/25/2019	4956	ROSS AVIATION INVESTMENT. LLC	5,144.75	0.00	5,144.75
93782	07/25/2019	52058	S & S WORLDWIDE	245.37	0.00	245.37
93783	07/25/2019	56359	S Y NURSERY	293.57	0.00	293.57
93784	07/25/2019	5230	SITEONE LANDSCAPE SUPPLY. LLC	2,413.58	0.00	2,413.58
93785	07/25/2019	29400	SOUTHERN CALIFORNIA EDISON CO	39,004.00	0.00	39,004.00
93786	07/25/2019	29500	SOUTHERN CALIFORNIA GAS CO	6,041.45	0.00	6,041.45
93787	07/25/2019	49529	SPICERS PAPER INC	215.49	0.00	215.49
93788	07/25/2019	5180	SUPERCO SPECIALTY PRODUCTS	186.73	0.00	186.73
93789	07/25/2019	2372	TGIS CATERING SVCS INC	3,447.80	0.00	3,447.80
93790	07/25/2019	5221	THE LEW EDWARDS GROUP	5,750.00	0.00	5,750.00
93791	07/25/2019	4069	TRAFFIC MANAGEMENT. INC	6,120.00	0.00	6,120.00
93792	07/25/2019	60685	TURF STAR	97.21	0.00	97.21

CITY OF LAKEWOOD
SUMMARY CHECK REGISTER

CHECK #	CHECK DATE	VEND #	VENDOR NAME	GROSS	DISC.	CHECK AMOUNT
93793	07/25/2019	1437	U S BANK NATIONAL ASSOCIATION	35,597.75	0.00	35,597.75
93794	07/25/2019	4907	VARSITY BRANDS HOLDING CO INC	3,328.80	0.00	3,328.80
93795	07/25/2019	7400	WATER REPLENISHMENT DISTRICT OF	12,570.12	0.00	12,570.12
93796	07/25/2019	37745	WESTERN EXTERMINATOR CO	375.00	0.00	375.00
93797	07/25/2019	35146	WILLDAN ASSOCIATES	153,057.45	0.00	153,057.45
93798	07/25/2019	4684	AMAZON.COM LLC	17.39	0.00	17.39
93799	07/25/2019	46678	AUTOLIFT SERVICES INC	1,552.58	0.00	1,552.58
93800	07/25/2019	4278	BEAR COMMUNICATIONS INC	153.30	0.00	153.30
93801	07/25/2019	48108	BERG. APRIL	640.00	0.00	640.00
93802	07/25/2019	4140	BOWEN. TIMOTHY	2,161.25	0.00	2,161.25
93803	07/25/2019	66457	BRENNTAG PACIFIC INC	3,545.84	0.00	3,545.84
93804	07/25/2019	4978	CALIFORNIA FOUNDATION FOR THE	682.50	0.00	682.50
93805	07/25/2019	45894	CINTAS CORPORATION	81.48	0.00	81.48
93806	07/25/2019	5077	CLAVERIE. COURTNEY DAY	91.00	0.00	91.00
93807	07/25/2019	4397	CM SCHOOL SUPPLY	34.75	0.00	34.75
93808	07/25/2019	62287	CRYSTAL TECH WEB HOSTING	1,575.44	0.00	1,575.44
93809	07/25/2019	4442	DANIEL'S TIRE SERVICE INC	526.95	0.00	526.95
93810	07/25/2019	4660	ZW USA INC.	457.49	0.00	457.49
93811	07/25/2019	4435	ELLIOTT AUTO SUPPLY COMPANY INC	96.71	0.00	96.71
93812	07/25/2019	33150	GRAINGER W W INC	287.32	0.00	287.32
93813	07/25/2019	3285	GREENO. KAREN	136.50	0.00	136.50
93814	07/25/2019	54961	HACH COMPANY	223.92	0.00	223.92
93815	07/25/2019	35477	HARA M LAWNMOWER CENTER	882.52	0.00	882.52
93816	07/25/2019	5173	HOLMES. JASON	68.90	0.00	68.90
93817	07/25/2019	41897	HOSE-MAN THE	11.98	0.00	11.98
93818	07/25/2019	4180	JONES RICHARD D. A PROF LAW CORP	16,750.00	0.00	16,750.00
93819	07/25/2019	44339	KIDSGUIDE INC	655.00	0.00	655.00
93820	07/25/2019	4250	CEDAR FAIR	3,510.00	0.00	3,510.00
93821	07/25/2019	18300	LAKEWOOD CHAMBER OF COMMERCE	2,416.67	0.00	2,416.67
93822	07/25/2019	44733	LIEBERT CASSIDY WHITMORE	4,440.00	0.00	4,440.00
93823	07/25/2019	5207	LOMBERA. RICKY	1,375.00	0.00	1,375.00
93824	07/25/2019	20700	LONG BEACH PUBLIC TRANSPORTATION CO	132,104.00	0.00	132,104.00
93825	07/25/2019	21050	LOS ANGELES CO CLERK	75.00	0.00	75.00
93826	07/25/2019	4643	BRODERICK JAY	728.00	0.00	728.00
93827	07/25/2019	62080	MARKLEY. ELIZABETH	143.00	0.00	143.00
93828	07/25/2019	64333	MOSES-CALDERA. ISABEL	707.20	0.00	707.20
93829	07/25/2019	4443	O'REILLY AUTOMOTIVE STORES INC	238.99	4.58	234.41
93830	07/25/2019	47554	OFFICE DEPOT BUSINESS SVCS	297.23	0.00	297.23
93831	07/25/2019	4497	PACIFIC COACHWAYS CHARTER SERVICES	792.50	0.00	792.50
93832	07/25/2019	4374	PITNEY BOWES INC	253.38	0.00	253.38
93833	07/25/2019	5276	RAMIREZ. VERONICA	88.67	0.00	88.67
93834	07/25/2019	2698	HYDRAULIC SYSTEMS & COMPONENTS INC	240.37	0.00	240.37
93835	07/25/2019	50796	S C P L R C	250.00	0.00	250.00
93836	07/25/2019	5045	SAN JUAN. CLYDE J	468.00	0.00	468.00

CITY OF LAKEWOOD
SUMMARY CHECK REGISTER

CHECK #	CHECK DATE	VEND #	VENDOR NAME	GROSS	DISC.	CHECK AMOUNT
93837	07/25/2019	66280	BARRY SANDLER ENTERPRISES	147.55	0.00	147.55
93838	07/25/2019	3086	SCHICORA. MICHAEL	177.38	0.00	177.38
93839	07/25/2019	3153	SECTRAN SECURITY INC	153.49	0.00	153.49
93840	07/25/2019	5037	SIMONE. STUART RUSSELL	1,500.00	0.00	1,500.00
93841	07/25/2019	3186	CORAL BAY HOME LOANS	117.65	0.00	117.65
93842	07/25/2019	52279	SMART & FINAL INC	479.05	0.00	479.05
93843	07/25/2019	4201	AUDIO MESSAGING SOLUTIONS LLC	247.52	0.00	247.52
93844	07/25/2019	49529	SPICERS PAPER INC	733.90	0.00	733.90
93845	07/25/2019	60792	STEPHENS. ERIC	71.50	0.00	71.50
93846	07/25/2019	4830	TELECOM LAW FIRM PC	1,536.00	0.00	1,536.00
93847	07/25/2019	59852	EBIX. INC.	1,293.64	0.00	1,293.64
93848	07/25/2019	65224	TUMBLE-N-KIDS. INC	4,413.50	0.00	4,413.50
93849	07/25/2019	60685	TURF STAR	771.00	0.00	771.00
93850	07/25/2019	4840	VERITIV OPERATING COMPANY	310.39	0.00	310.39
93851	07/25/2019	62628	WELLS C. PIPELINE MATERIALS	990.98	0.00	990.98
93852	07/25/2019	3699	AVILA. BLANCA	250.00	0.00	250.00
93853	07/25/2019	3699	BELTRAN. JOSE	465.00	0.00	465.00
93854	07/25/2019	3699	CRANDALL. ROBERT	188.00	0.00	188.00
93855	07/25/2019	3699	CRISOSTOMO. CHRIS	306.28	0.00	306.28
93856	07/25/2019	3699	GRAND ESTATE TERMITE	700.00	0.00	700.00
93857	07/25/2019	3699	HUNTOON. LISA	26.00	0.00	26.00
93858	07/25/2019	3699	HUYNH. NAM	40.00	0.00	40.00
93859	07/25/2019	3699	JACOBSMA. RACHEL	250.00	0.00	250.00
93860	07/25/2019	3699	KENNON. GERRY	250.00	0.00	250.00
93861	07/25/2019	3699	NILY. GISELA	35.00	0.00	35.00
93862	07/25/2019	3699	RAMSEY. MARIOLGA	250.00	0.00	250.00
93863	07/25/2019	3699	SKILES. APRIL	250.00	0.00	250.00
93864	07/25/2019	3699	SOLOMON. FIDEL	250.00	0.00	250.00
93865	07/25/2019	3699	TNT FIREWORKS	3,750.00	0.00	3,750.00
			Totals:	618,163.88	4.58	618,159.30

CITY OF LAKEWOOD
FUND SUMMARY 8/1/2019

In accordance with section 2521 of the Lakewood Municipal Code there is presented herewith a summary of obligations to be paid by voucher 93866 through 93967. Each of the following demands has been audited by the Director of Administrative Services and approved by the City Manager.

1010	GENERAL FUND	447,417.60
1622	LA CNTY MEASURE M	2,326.88
3001	CAPITAL IMPROV PROJECT FUND	168,654.22
3070	PROPOSITION "C"	503.90
5020	CENTRAL STORES	181.66
5030	FLEET MAINTENANCE	1,226.26
7500	WATER UTILITY FUND	105,657.97
8020	LOCAL REHAB LOAN	1,200.00
		727,168.49

Council Approval

Date

City Manager

Attest

City Clerk

Director of Administrative Services

CITY OF LAKEWOOD
SUMMARY CHECK REGISTER

CHECK #	CHECK DATE	VEND #	VENDOR NAME	GROSS	DISC.	CHECK AMOUNT
93866	08/01/2019	7500	CENTRAL BASIN MUNICIPAL WATER	1,755.00	0.00	1,755.00
93867	08/01/2019	60195	CR TRANSFER INC	4,266.71	0.00	4,266.71
93868	08/01/2019	27200	DICKSON R F CO INC	3,565.00	0.00	3,565.00
93869	08/01/2019	57231	EARLYCHILDHOOD LLC	101.17	0.00	101.17
93870	08/01/2019	58618	DURHAM SCHOOL SERVICES	3,034.20	0.00	3,034.20
93871	08/01/2019	5030	FATHOM WATER MANAGEMENT INC.	114,728.14	0.00	114,728.14
93872	08/01/2019	1811	FAIRBANK MASLIN MAULLIN	29,750.00	0.00	29,750.00
93873	08/01/2019	3188	GALLS LLC/OUARTERMASTER LLC	3,398.24	0.00	3,398.24
93874	08/01/2019	59433	GANAHL LUMBER COMPANY	205.08	0.00	205.08
93875	08/01/2019	34354	HI-WAY SAFETY RENTALS INC	2,326.88	0.00	2,326.88
93876	08/01/2019	42031	HOME DEPOT	19.67	0.00	19.67
93877	08/01/2019	59873	JJS PALOMO'S STEEL INC	71.66	0.00	71.66
93878	08/01/2019	4180	JONES RICHARD D. A PROF LAW CORP	4,935.42	0.00	4,935.42
93879	08/01/2019	18400	LAKEWOOD. CITY WATER DEPT	33,320.13	0.00	33,320.13
93880	08/01/2019	44733	LIEBERT CASSIDY WHITMORE	4,884.00	0.00	4,884.00
93881	08/01/2019	19710	LINCOLN EOUIPMENT INC	447.79	0.00	447.79
93882	08/01/2019	5240	MARINO. LAWRENCE	3,850.00	0.00	3,850.00
93883	08/01/2019	1615	PFM ASSET MANAGEMENT LLC	2,999.09	0.00	2,999.09
93884	08/01/2019	52058	S & S WORLDWIDE	755.91	0.00	755.91
93885	08/01/2019	4309	SAFESHRED	25.00	0.00	25.00
93886	08/01/2019	29400	SOUTHERN CALIFORNIA EDISON CO	655.27	0.00	655.27
93887	08/01/2019	5128	SUKUT CONSTRUCTION. LLC	167,998.95	0.00	167,998.95
93888	08/01/2019	5198	THE ILLINI COMPANIES. INC.	714.73	0.00	714.73
93889	08/01/2019	53026	TRANE U S INC	3,718.34	0.00	3,718.34
93890	08/01/2019	60685	TURF STAR	26.76	0.00	26.76
93891	08/01/2019	3943	WATERLINE TECHNOLOGIES INC	5,307.96	0.00	5,307.96
93892	08/01/2019	4126	AUTOZONE PARTS INC	119.97	0.00	119.97
93893	08/01/2019	48108	BERG. APRIL	507.00	0.00	507.00
93894	08/01/2019	62267	FESTIVAL FUN PARKS INC	2,682.64	0.00	2,682.64
93895	08/01/2019	42144	BROEKER. CANDACE	22.75	0.00	22.75
93896	08/01/2019	51721	C A P I O	450.00	0.00	450.00
93897	08/01/2019	307	CALIF. STATE DISBURSEMENT UNIT	29.84	0.00	29.84
93898	08/01/2019	53983	CALIF STATE FRANCHISE TAX BOARD	250.00	0.00	250.00
93899	08/01/2019	45894	CINTAS CORPORATION	135.37	0.00	135.37
93900	08/01/2019	4498	DELTA DENTAL INSURANCE COMPANY	1,108.51	0.00	1,108.51
93901	08/01/2019	56889	DELTA DENTAL OF CALIFORNIA	8,469.06	0.00	8,469.06
93902	08/01/2019	2929	DETTORE. TONY	200.00	0.00	200.00
93903	08/01/2019	57231	EARLYCHILDHOOD LLC	31.80	0.00	31.80
93904	08/01/2019	58618	DURHAM SCHOOL SERVICES	2,853.13	0.00	2,853.13
93905	08/01/2019	4435	ELLIOTT AUTO SUPPLY COMPANY INC	204.70	0.00	204.70
93906	08/01/2019	1542	FRENETTE. ROBIN	293.94	0.00	293.94
93907	08/01/2019	64215	GOLD COAST AWARDS INC	60.29	0.00	60.29
93908	08/01/2019	35477	HARA M LAWNMOWER CENTER	74.28	0.00	74.28
93909	08/01/2019	5285	HERNANDEZ. JOSE	200.00	0.00	200.00

CITY OF LAKEWOOD
SUMMARY CHECK REGISTER

CHECK #	CHECK DATE	VEND #	VENDOR NAME	GROSS	DISC.	CHECK AMOUNT
93910	08/01/2019	42031	HOME DEPOT	1,897.68	0.00	1,897.68
93911	08/01/2019	42359	JOHNSTONE SUPPLY INC	215.26	0.00	215.26
93912	08/01/2019	63573	KDC INC	1,212.50	0.00	1,212.50
93913	08/01/2019	2956	KICK IT UP KIDZ. LLC	2,379.00	0.00	2,379.00
93914	08/01/2019	64510	KRAUSE. DIANN	127.73	0.00	127.73
93915	08/01/2019	2409	LIFTECH ELEVATOR SERVICES INC	375.00	0.00	375.00
93916	08/01/2019	5207	LOMBERA. RICKY	1,375.00	0.00	1,375.00
93917	08/01/2019	20300	LONG BEACH CITY GAS & WATER DEPT	412.20	0.00	412.20
93918	08/01/2019	72230	LOS ANGELES CO	2,328.26	0.00	2,328.26
93919	08/01/2019	58414	MANAGED HEALTH NETWORK	351.12	0.00	351.12
93920	08/01/2019	4190	NATIONAL UNION FIRE INSURANCE CO	582.83	0.00	582.83
93921	08/01/2019	47554	OFFICE DEPOT BUSINESS SVCS	188.39	0.00	188.39
93922	08/01/2019	51171	PERS LONG TERM CARE PROGRAM	70.64	0.00	70.64
93923	08/01/2019	887	RDO-VERMEER LLC	27.07	0.00	27.07
93924	08/01/2019	4459	READWRITE EDUCATIONAL SOLUTIONS INC	698.75	0.00	698.75
93925	08/01/2019	63364	REEVES NORM HONDA	86.79	0.00	86.79
93926	08/01/2019	2044	RODRIGUEZ. EDIANNE	137.00	0.00	137.00
93927	08/01/2019	47285	ROTARY CORP	569.78	0.00	569.78
93928	08/01/2019	52058	S & S WORLDWIDE	41.87	0.00	41.87
93929	08/01/2019	5197	SIGNAL HILL AUTO ENTERPRISES INC.	181.66	0.00	181.66
93930	08/01/2019	3186	CORAL BAY HOME LOANS	117.65	0.00	117.65
93931	08/01/2019	52279	SMART & FINAL INC	930.66	0.00	930.66
93932	08/01/2019	26900	SO CALIF SECURITY CENTERS INC	20.26	0.00	20.26
93933	08/01/2019	5135	SOLID SURFACE CARE. INC.	908.75	0.00	908.75
93934	08/01/2019	47054	SOUTHEAST AREA ANIMAL CONTROL AUTH	239,364.50	0.00	239,364.50
93935	08/01/2019	29400	SOUTHERN CALIFORNIA EDISON CO	3,656.21	0.00	3,656.21
93936	08/01/2019	37930	STANDARD INSURANCE CO UNIT 22	2,593.75	0.00	2,593.75
93937	08/01/2019	37930	STANDARD INSURANCE CO UNIT 22	8,612.74	0.00	8,612.74
93938	08/01/2019	2559	STANLEY CONVERGENT SECURITY	28,821.69	0.00	28,821.69
93939	08/01/2019	44104	STATE WATER RESOURCES CONTROL BOARD	90.00	0.00	90.00
93940	08/01/2019	60792	STEPHENS. ERIC	71.50	0.00	71.50
93941	08/01/2019	4893	TENG. WHEA-FUN	124.80	0.00	124.80
93942	08/01/2019	4364	THE RINKS-LAKEWOOD ICE	263.25	0.00	263.25
93943	08/01/2019	4873	TRANSAMERICA LIFE INSURANCE COMPANY	2,181.35	0.00	2,181.35
93944	08/01/2019	65224	TUMBLE-N-KIDS. INC	3,773.25	0.00	3,773.25
93945	08/01/2019	5254	US DEPARTMENT OF EDUCATION AWG	348.76	0.00	348.76
93946	08/01/2019	57135	VISION SERVICE PLAN	4,589.46	0.00	4,589.46
93947	08/01/2019	5155	WATER SYSTEM SERVICES LLC	175.00	0.00	175.00
93948	08/01/2019	5143	WHITNEY. LAUREAL MONIOUE	234.00	0.00	234.00
93949	08/01/2019	5209	WILLIAMSON. JAMES	1,000.00	0.00	1,000.00
93950	08/01/2019	3699	ALMEIDA. BRITTANY	250.00	0.00	250.00
93951	08/01/2019	3699	ANDERSON. KENNDY	300.00	0.00	300.00
93952	08/01/2019	3699	BARMAN. LORIN	338.00	0.00	338.00
93953	08/01/2019	3699	BELZONIE. SHEILA	250.00	0.00	250.00

CITY OF LAKEWOOD
SUMMARY CHECK REGISTER

CHECK #	CHECK DATE	VEND #	VENDOR NAME	GROSS	DISC.	CHECK AMOUNT
93954	08/01/2019	3699	COVINGTON. BRENDA	250.00	0.00	250.00
93955	08/01/2019	3699	DAVIS. CAROLYN	250.00	0.00	250.00
93956	08/01/2019	3699	FRANKLIN. RANESHA	300.00	0.00	300.00
93957	08/01/2019	3699	L&C GARAGE DOORS. INC	1,200.00	0.00	1,200.00
93958	08/01/2019	3699	LIGHT AND LIFE CHRISTIAN FELLOWSHIP WEST	250.00	0.00	250.00
93959	08/01/2019	3699	MARTINEZ. ANTONIO	240.00	0.00	240.00
93960	08/01/2019	3699	MURGUIA. SERGIO	250.00	0.00	250.00
93961	08/01/2019	3699	OUIBUYEN. IRENE	430.00	0.00	430.00
93962	08/01/2019	3699	ROBINSON. PATRICIA	250.00	0.00	250.00
93963	08/01/2019	3699	ROTHERY. GERARD	250.00	0.00	250.00
93964	08/01/2019	3699	RUDDELL. MICHAEL	250.00	0.00	250.00
93965	08/01/2019	3699	SELEMAN. VEBRONIA	132.00	0.00	132.00
93966	08/01/2019	3699	SINGER. JOHN	48.00	0.00	48.00
93967	08/01/2019	3699	ULUFALE. SOLOAI	240.00	0.00	240.00
			Totals:	727,168.49	0.00	727,168.49

CITY OF LAKEWOOD
FUND SUMMARY 8/8/2019

In accordance with section 2521 of the Lakewood Municipal Code there is presented herewith a summary of obligations to be paid by voucher 93968 through 94071. Each of the following demands has been audited by the Director of Administrative Services and approved by the City Manager.

1010	GENERAL FUND	176,126.72
1030	CDBG CURRENT YEAR	210.66
1050	COMMUNITY FACILITY	1,500.95
1621	LA CNTY MEASURE R	22,525.00
1623	LA CNTY MEASURE W	182,457.50
3060	PROPOSITION "A"	25,653.30
5010	GRAPHICS AND COPY CENTER	1,726.26
5020	CENTRAL STORES	6,811.13
5030	FLEET MAINTENANCE	22,001.35
7500	WATER UTILITY FUND	79,297.20
8030	TRUST DEPOSIT	200.00
		518,510.07

Council Approval

Date

City Manager

Attest

City Clerk

Director of Administrative Services

CITY OF LAKEWOOD
SUMMARY CHECK REGISTER

CHECK #	CHECK DATE	VEND #	VENDOR NAME	GROSS	DISC.	CHECK AMOUNT
93968	08/08/2019	61142	ADAMS-HILLERY SHARRON	210.66	0.00	210.66
93969	08/08/2019	43135	CERRITOS. CITY OF	34,139.56	0.00	34,139.56
93970	08/08/2019	64932	CJ CONCRETE CONSTRUCTION INC	3,000.00	0.00	3,000.00
93971	08/08/2019	4251	PROFIT SYSTEMS INC	650.00	0.00	650.00
93972	08/08/2019	65038	FED EX OFFICE & PRINT SVCS INC	139.70	0.00	139.70
93973	08/08/2019	5107	GREEN WISE SOIL TECHNOLOGIES	897.90	0.00	897.90
93974	08/08/2019	4622	JHM SUPPLY INC	486.20	0.00	486.20
93975	08/08/2019	53849	LAKEWOOD ROTARY CLUB	285.00	0.00	285.00
93976	08/08/2019	18400	LAKEWOOD. CITY WATER DEPT	30,834.00	0.00	30,834.00
93977	08/08/2019	20700	LONG BEACH PUBLIC TRANSPORTATION CO	25,653.30	0.00	25,653.30
93978	08/08/2019	3564	LONG BEACH. CITY OF	548.70	0.00	548.70
93979	08/08/2019	45069	LOS ANGELES CO/DEPT PW BLDG SVCS	72,361.15	0.00	72,361.15
93980	08/08/2019	52225	MITY-LITE	2,892.27	0.00	2,892.27
93981	08/08/2019	4513	OCEAN BLUE ENVIRONMENTAL SERVICES	6,768.86	0.00	6,768.86
93982	08/08/2019	5199	PETTY CASH/ANDREW CAMACHO	535.11	0.00	535.11
93983	08/08/2019	5044	SHARP ELECTRONICS CORPORATION	1,315.63	0.00	1,315.63
93984	08/08/2019	52279	SMART & FINAL INC	73.20	0.00	73.20
93985	08/08/2019	59212	TETRA TECH INC	40,990.50	0.00	40,990.50
93986	08/08/2019	2372	TGIS CATERING SVCS INC	481.44	0.00	481.44
93987	08/08/2019	35146	WILLDAN ASSOCIATES	30,161.75	0.00	30,161.75
93988	08/08/2019	62243	4IMPRINT	2,532.88	0.00	2,532.88
93989	08/08/2019	4465	ATALLA. IBRAHIM	406.25	0.00	406.25
93990	08/08/2019	39123	BACKFLOW APPARATUS & VALUE COMPANY	443.32	0.00	443.32
93991	08/08/2019	5266	BAY AREA DRIVING SCHOOL. INC.	117.00	0.00	117.00
93992	08/08/2019	4800	BISHOP COMPANY	107.75	0.00	107.75
93993	08/08/2019	62737	BOYES. GOBIND	357.50	0.00	357.50
93994	08/08/2019	46162	C S M F O	75.00	0.00	75.00
93995	08/08/2019	988	CDW LLC	451.50	0.00	451.50
93996	08/08/2019	45894	CINTAS CORPORATION	72.35	0.00	72.35
93997	08/08/2019	5008	COLOR CARD ADMINISTRATOR CORP.	248.82	0.00	248.82
93998	08/08/2019	60195	CR TRANSFER INC	3,523.33	0.00	3,523.33
93999	08/08/2019	58618	DURHAM SCHOOL SERVICES	1,883.83	0.00	1,883.83
94000	08/08/2019	4435	ELLIOTT AUTO SUPPLY COMPANY INC	253.36	0.00	253.36
94001	08/08/2019	3946	FERGUSON ENTERPRISES INC	975.86	0.00	975.86
94002	08/08/2019	4947	FILE KEEPERS. LLC	20.00	0.00	20.00
94003	08/08/2019	59859	FLEET PRIDE	116.88	0.00	116.88
94004	08/08/2019	4884	FRONTIER CALIFORNIA INC.	2,664.29	0.00	2,664.29
94005	08/08/2019	3188	GALLS LLC/OUARTERMASTER LLC	271.16	0.00	271.16
94006	08/08/2019	4822	LA GATEWAY REGION INTEGRATED RNL	180,257.50	0.00	180,257.50
94007	08/08/2019	34845	GLASBY MAINTENANCE SUPPLY CO	63.07	0.00	63.07
94008	08/08/2019	4420	GOERTZ. TRAVIS W	1,500.00	0.00	1,500.00
94009	08/08/2019	33150	GRAINGER W W INC	129.48	0.00	129.48
94010	08/08/2019	58838	HANSON AGGREGATES LLC	175.00	0.00	175.00
94011	08/08/2019	35477	HARA M LAWNMOWER CENTER	275.94	0.00	275.94

CITY OF LAKEWOOD
SUMMARY CHECK REGISTER

CHECK #	CHECK DATE	VEND #	VENDOR NAME	GROSS	DISC.	CHECK AMOUNT
94012	08/08/2019	65593	HASS. BARBARA	942.50	0.00	942.50
94013	08/08/2019	5173	HOLMES. JASON	103.35	0.00	103.35
94014	08/08/2019	42031	HOME DEPOT	16.36	0.00	16.36
94015	08/08/2019	4433	HOUSTON ENGINEERING INC	2,200.00	0.00	2,200.00
94016	08/08/2019	4944	IPC (USA). INC.	17,553.38	0.00	17,553.38
94017	08/08/2019	4622	JHM SUPPLY INC	773.27	0.00	773.27
94018	08/08/2019	36167	KARTER. JANET	109.20	0.00	109.20
94019	08/08/2019	2956	KICK IT UP KIDZ. LLC	845.00	0.00	845.00
94020	08/08/2019	4458	KIM. YVONNE	709.20	0.00	709.20
94021	08/08/2019	4783	LANDCARE HOLDINGS INC	7,184.28	0.00	7,184.28
94022	08/08/2019	43017	LARSEN. DEBRA	89.46	0.00	89.46
94023	08/08/2019	5207	LOMBERA. RICKY	1,375.00	0.00	1,375.00
94024	08/08/2019	60839	MARKOPULOS. CYNTHIA	42.25	0.00	42.25
94025	08/08/2019	4887	MATHESON TRI-GAS. INC.	72.37	0.00	72.37
94026	08/08/2019	23130	MC MASTER-CARR SUPPLY CO	249.90	0.00	249.90
94027	08/08/2019	41831	MIEIR-KING. RICHARD	839.80	0.00	839.80
94028	08/08/2019	4892	NESTLE WATERS NORTH AMERICA	110.19	0.00	110.19
94029	08/08/2019	4443	O'REILLY AUTOMOTIVE STORES INC	296.46	9.21	287.25
94030	08/08/2019	47554	OFFICE DEPOT BUSINESS SVCS	1,184.57	0.00	1,184.57
94031	08/08/2019	450	PACIFIC EH & S SERVICES INC	1,792.00	0.00	1,792.00
94032	08/08/2019	66116	PETERSEN. LOUISE	421.20	0.00	421.20
94033	08/08/2019	5199	PETTY CASH/ANDREW CAMACHO	398.15	0.00	398.15
94034	08/08/2019	4494	PIERSON. JEREMY L.	592.80	0.00	592.80
94035	08/08/2019	4374	PITNEY BOWES INC	149.12	0.00	149.12
94036	08/08/2019	4829	MARTINEZ-RADZIUK. SONYA	61.48	0.00	61.48
94037	08/08/2019	4459	READWRITE EDUCATIONAL SOLUTIONS INC	1,511.25	0.00	1,511.25
94038	08/08/2019	47285	ROTARY CORP	662.25	0.00	662.25
94039	08/08/2019	41691	SAFETY-KLEEN CORP	2,253.97	0.00	2,253.97
94040	08/08/2019	5230	SITEONE LANDSCAPE SUPPLY. LLC	1,439.63	0.00	1,439.63
94041	08/08/2019	52279	SMART & FINAL INC	576.31	0.00	576.31
94042	08/08/2019	29400	SOUTHERN CALIFORNIA EDISON CO	588.58	0.00	588.58
94043	08/08/2019	1737	SOUTHERN COUNTIES LUBRICANTS	460.12	0.00	460.12
94044	08/08/2019	49529	SPICERS PAPER INC	410.63	0.00	410.63
94045	08/08/2019	4770	MANCE. MIKE J.	53.44	0.00	53.44
94046	08/08/2019	56039	SULLY MILLER	295.33	0.00	295.33
94047	08/08/2019	2732	TANNEN. MITCH	218.40	0.00	218.40
94048	08/08/2019	5221	THE LEW EDWARDS GROUP	5,750.00	0.00	5,750.00
94049	08/08/2019	4364	THE RINKS-LAKEWOOD ICE	321.75	0.00	321.75
94050	08/08/2019	60685	TURF STAR	935.74	0.00	935.74
94051	08/08/2019	35089	UNDERGROUND SERVICE ALERT	150.25	0.00	150.25
94052	08/08/2019	4718	UNITED WATER WORKS INC	971.45	0.00	971.45
94053	08/08/2019	4907	VARSITY BRANDS HOLDING CO INC	831.87	0.00	831.87
94054	08/08/2019	4840	VERITIV OPERATING COMPANY	267.18	0.00	267.18
94055	08/08/2019	64652	CELLCO PARTNERSHIP	3,674.99	0.00	3,674.99

CITY OF LAKEWOOD
SUMMARY CHECK REGISTER

CHECK #	CHECK DATE	VEND #	VENDOR NAME	GROSS	DISC.	CHECK AMOUNT
94056	08/08/2019	3134	VIRTUAL GRAFFITI INC	795.00	0.00	795.00
94057	08/08/2019	5003	WALTOWER. SHAWN	549.25	0.00	549.25
94058	08/08/2019	17640	WAXIE ENTERPRISES INC	2,966.09	0.00	2,966.09
94059	08/08/2019	36166	WEGENER. KATHY	1,238.25	0.00	1,238.25
94060	08/08/2019	4447	SAN BERNARDINO CO HUMAN RESOURCES	1,900.00	0.00	1,900.00
94061	08/08/2019	50058	WHITE HOUSE FLORIST INC	63.51	0.00	63.51
94062	08/08/2019	2145	WYNN. LAKYN	295.75	0.00	295.75
94063	08/08/2019	3699	BREEYEAR. GEORGINA	250.00	0.00	250.00
94064	08/08/2019	3699	BROCKMAN. GWEN	100.00	0.00	100.00
94065	08/08/2019	3699	HARRIS. SHEILA	250.00	0.00	250.00
94066	08/08/2019	3699	MAROUEZ. TITA	180.00	0.00	180.00
94067	08/08/2019	3699	MASSENGILL. ELAINE	250.00	0.00	250.00
94068	08/08/2019	3699	MORENO. CAROLS	250.00	0.00	250.00
94069	08/08/2019	3699	REYES. GEMA	250.00	0.00	250.00
94070	08/08/2019	3699	RODRIGUEZ. GABRIELA	250.00	0.00	250.00
94071	08/08/2019	3699	WARDEN. DAVID H.	100.00	0.00	100.00
			Totals:	518,519.28	9.21	518,510.07

DIVIDER SHEET

TO: The Honorable Mayor and City Council

SUBJECT: Report of City Council Committees' Activities

INTRODUCTION

A brief update is provided for City Council review on the activities of the following standing committee: Public Safety Committee.

STATEMENT OF FACT

On July 11, the Public Safety Committee met and discussed:

Crime Trends and Statistics

- Captain David Sprengel reported that overall Part 1 Crimes were trending positively and were down from the last meeting. Serious violent crimes were even or below 2018 numbers. He noted that two areas of concern were burglaries and street racers. Commercial burglaries were up, while residential burglaries were down. Deputies will watch both closely. There was an influx of street racing in the surrounding areas as racers were going off of freeways and into cities. Sheriff's personnel conducted several weeks of operations to proactively attack the issue and will continue to do so.

- The Committee requested that the Chamber of Commerce be notified that commercial burglaries were up so that they could send preventative methods to their business members. Staff assured that they would encourage some sort of notification and noted that there will be a networking meeting between the city, Sheriff's personnel, and the Chamber of Commerce.

- Lieutenant Ciro Racowschi reported that there were minimal increases in Part 1 Crimes at Lakewood Mall and that no grand theft autos occurred there in May. The Committee requested that mall staff also be notified of the increase in commercial burglaries.

Public Outreach

- The Public Information Office was focusing on promoting the Ring rebate program and Community Safety meetings. The new *Lakewood Living Magazine* will contain school safety tips and the new *Lakewood Community News* will highlight the requirements for door-to-door solicitors. There will also be emergency preparedness outreach due to the recent earthquakes.

Neighborhood Watch Update

- Public Safety staff reported that ten new block captains (BC) joined neighborhood watch (NW) and that enrollment for the eWatch newsletter increased. The next NW seminar will be a focus group meeting to bring BCs together to share ideas and learn about areas of improvement. Public Safety will hold a National Night Out event in conjunction with a Play at Palms event on August 9 where Sheriff and Fire personnel will be present with vehicles on display. BCs and CERT members will be invited to the event and staff is hoping for an attendance of 200+.

- The Committee reviewed the NW advertisement that will appear in the LCN from August to October and requested that verbiage about becoming a BC be added.

Abatement Deputy Update

- Abatement Deputy Santa Ana presented a map that displayed the reported homeless population, encampment locations and homeless in vehicle locations in Lakewood. It was his hope that the map would become a great resource for the city and public. It will be updated monthly and detailed information for each location will be added. The maps could also be given to outreach organizations like Los Angeles Homeless Services Authority (LAHSA) and People Assisting the Homeless (PATH) so that they could see where their resources were needed.

- In response to an inquiry from the Committee, Deputy Santa Ana noted that city staff was assisting him with the information to create the map. Responding to a Committee inquiry regarding environmental deterrents for the homeless such as gates, median spikes, etc., Deputy Santa Ana noted that these options could be costly and would only be effective through collective efforts by the city, LASD, and businesses (if deterrents were placed there). The Committee requested that discussion at the networking meeting between the city, Sheriff's personnel, and the Chamber of Commerce include homeless issues so that businesses can see how their actions affect the problem.

- Staff noted that the Gateway Cities Council of Governments recently hired someone to coordinate homeless efforts and bring an expertise that had been lacking in the region. As a result, a possible discrepancy of the allocation of resources by homeless outreach organizations to the City of Lakewood was found. Staff was hopeful that if outreach organizations' processes to connect homeless to housing were different in other cities than in Lakewood, that the issue would be resolved.

Fourth of July Fireworks Assessment

- Public safety staff presented a map that displayed locations of suspected illegal fireworks use, calls for service, and fireworks citations. The Fourth of July fireworks enforcement was a successful night that resulted in 50 citations. An additional citation was administered the week before the holiday when the Special Assignment Officer team did undercover work, bringing the year's total to 51 citations. There were 163 illegal

fireworks calls made of the Fourth of July and every call was routed to the fireworks enforcement team. Public Safety staff aided the 23 Sheriff's personnel on duty that night with observation and evidence collection. There were no reported incidents from LAFD that were fireworks related, and three rouge block parties were identified as operating without a city permit. Items to consider for next year include making all fines $1,000 rather than having two fines at $500 or $1,000. Another consideration is to simplify the administrative citation so that it's easier for deputies to issue.

- The Committee requested that areas with a lot of activity on the map be patrolled for next year's holiday. Captain Sprengel commended city staff for a highly effective operation noting that it was well organized and things ran smoothly and efficiently for deputies. The Committee expressed their appreciation for city staff and Sheriff's personnel who gave up their holiday and worked on the Fourth of July. They also offered to sponsor an act of appreciation for the Fourth of July fireworks enforcement team. Staff noted that next year, CityTV would film the fireworks enforcement team's efforts so that residents could get a visual of the efficiency and maximum efforts of the team.

Sidewalk Vending

- Staff prepared a draft ordinance for sidewalk vending that incorporated findings from various cities and that was in accordance with SB 946. Staff noted that the Committee could choose to move forward with sending the ordinance to the City Council for adoption or wait to implement it if issues arise since there were currently very few complaints received about sidewalk vendors. Staff presented the ordinance which included operating requirements for sidewalk vendors, operating distance requirements, enforcement, violations, and penalties.

- The Committee expressed concerns with sidewalk vendors operating in front of businesses, cooking/selling food from the street, and transporting/unloading vending carts. Staff noted that vendors could operate in front of businesses, but they would have to follow operating distance requirements which could prohibit them from operating in front of all businesses. Staff added that there is an ordinance that prohibits vending food from a vehicle parked on the street, with the exception of ice cream trucks, and that verbiage could be added to the proposed ordinance to prohibit various cooking fuels such as charcoal. From what staff has witnessed, it is typical for sidewalk vendors to transport carts by vehicle to a private lot for assembly and then manually push their cart to the selling location. If vendors were to drive on sidewalks or pull up onto curbs for unloading carts, then they could be cited. Staff explained that enforcement and penalties for sidewalk vending were restricted to administrative fines and that any city employee or agents of the city could issue the citation. A specific citation for sidewalk vending violations will be created. The Committee shared their preference for city staff to enforce sidewalk vending regulations and issue citations as opposed to Sheriff's personnel.

- Staff noted that if the Committee decided to wait to adopt the proposed ordinance and sidewalk vendor issues occur, the vendor can be asked for County Health Permits when

selling food. If the vendor does not have the permits, they'll be prohibited from operating in the city. Staff added that if vendors with County Health Permits began to operate, then the ordinance could be adopted to ensure the vendors are meeting additional requirements and following restrictions.

- The Committee inquired about other cities' experiences after adopting their ordinances and if they had any success in using their ordinances for enforcement to deal with issues. Staff explained that they conducted a survey of surrounding cities which found that no city had experienced an influx of sidewalk vendors or requests for applications after adopting their ordinance. The main reason for the ordinance adoption was to be in compliance with the new state law from SB 946. Further, no issues had been realized so that ordinances could be used for enforcement, but they remained in place as a tool that could be used if problems occurred. Responding to the Committee's inquiry regarding complaints received, staff reported that a complaint was received about someone selling flowers and others regarding ice cream trucks around schools and parks. Those complaints however do not apply to sidewalk vending because ice cream trucks are regulated under a different ordinance.

- The Committee recommended that staff report back with further information about their inquiries and make any necessary changes to the ordinance so that it could be presented and considered at a future meeting.

Council/Station Personnel Lunch Meeting Follow-up

- Staff presented a summary of the topics and issues discussed at the recent lunch meeting between the City Council and Lakewood Station personnel. These included Council requesting detailed crime information on a regular basis, support of ASAP cameras, homeless issues, panhandling, less-lethal specialty tools, and parking citation corrections. The Committee requested that a copy of the summary be distributed to the City Council.

Miscellaneous

- In response to the Committee's inquiry, Captain Sprengel stated that he did not anticipate Lakewood Sheriff's Station to be connected to the recent clicks that the FBI was investigating in the LASD.

- The Committee noted that the Community Safety meetings were going well and advised of concerns brought up at the recent meeting. Staff noted that they included potential health risks of 5G cell towers, suspicious activity reporting, and inquiries about vacant sites' potential to promote crime.

- Responding to the Committee's inquiry, staff stated that the Traffic Enforcement Program included Public Works staff, LASD traffic deputies, and city staff who were currently working to identify traffic issues and create plans to address them. Committee

Member Rogers requested a report back on the traffic signal light phasing that was brought up at a recent City Council meeting.

- The Committee also requested a report back on discussions with Lancaster regarding their hybrid law enforcement efforts and staff stated that they were working to contact Lancaster officials and noted that the hybrid law enforcement efforts were an ongoing study.

RECOMMENDATION

It is recommended that the City Council receive and file this report.

Thaddeus McCormack
City Manager

DIVIDER SHEET

TO: The Honorable Mayor and City Council

SUBJECT: Monthly Report of Investment Transactions – July 2019

INTRODUCTION

In accordance with California Government Code Section 53607, the City Council has delegated to the City Treasurer the responsibility to invest or to reinvest funds, or to sell or exchange securities so purchased. The California Government Code Section 53607 requires that, if such responsibility has been delegated, then the Treasurer "shall make a monthly report of those transactions to the legislative body." In compliance with this requirement, the Monthly Report of Investment Transactions is being rendered to be received and filed.

STATEMENT OF MONTHLY ACTIVITY

Date	Amount at Cost	Vehicle	Transaction
07/01/2019	$ 715.85	MMF	Interest
07/02/2019	4,000,000.00	LAIF	Withdrawal
07/03/2019	355,125.56	CORP	Purchase 2.600%
07/03/2019	723,311.86	TREAS	Purchase 1.625%
07/03/2019	730,194.40	CD	Sell 1.840%
07/03/2019	164,587.50	CORP	Sell 1.800%
07/03/2019	100,779.67	CORP	Sell 3.000%
07/08/2019	881.25	CORP	Interest 2.350%
07/11/2019	4,856.25	FNMA	Interest 2.625%
07/11/2019	1,500,000.00	LAIF	Withdrawal
07/12/2019	102,019.97	LAIF	Deposit
07/15/2019	212,001.53	CORP	Sell 2.875%
07/15/2019	255,595.85	CORP	Sell 1.950%
07/15/2019	120,280.40	CORP	Sell 1.950%
07/15/2019	377,699.06	CORP	Purchase 2.250%
07/15/2019	209,116.43	CORP	Purchase 1.875%
07/18/2019	800,000.00	LAIF	Withdrawal
07/19/2019	135,651.24	CORP	Sell 2.328%
07/19/2019	216,037.16	CORP	Sell 2.328%
07/19/2019	352,602.66	CORP	Purchase 4.125%
07/20/2019	828.75	CORP	Interest 1.950%
07/22/2019	6,703.13	CORP	Interest 4.125%
07/23/2019	7,012.50	NOTE	Interest 2.750%
07/25/2019	598.18	FNMA	Interest 1.646%
07/25/2019	377.15	FNA	Interest 3.560%
07/25/2019	6,172.89	FHMS	Interest 3.203%
07/25/2019	570.34	FNA	Interest 3.560%
07/25/2019	425.15	FHMS	Interest 3.203%
07/25/2019	.82	FNMA	Interest 1.646%
07/25/2019	325,793.54	FNMA	Sell 1.500%
07/25/2019	327,154.75	BOND	Purchase 2.300%

07/30/2019	3,000.00	FNMA	Interest 1.500%
07/31/2019	19,687.50	TREAS	Interest 1.875%
07/31/2019	6,250.00	TREAS	Interest 1.250%
07/31/2019	3,093.75	TREAS	Interest 1.375%
08/01/2019	14,613.41	CAMP	Interest 2.420%

RECOMMENDATION

It is recommended that the City Council receive and file the Monthly Report of Investment Transactions rendered for the month of July 2019.

Jose Gomez
Director of Finance & Administrative Services

Thaddeus McCormack
City Manager

DIVIDER SHEET

RESOLUTION NO. 2019-29

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAKEWOOD AUTHORIZING THE DESTRUCTION OF CERTAIN PUBLIC RECORDS OF THE DEPARTMENT OF ADMINISTRATION MORE THAN TWO YEARS OLD

THE CITY COUNCIL OF THE CITY OF LAKEWOOD DOES HEREBY FIND, DETERMINE AND RESOLVE AS FOLLOWS:

SECTION 1. Pursuant to the recommendations of the City Clerk and approval of the City Attorney and Administration Department Head, the City Clerk is hereby authorized to destroy the following public records:

Report of Lobbyist Employer Dated Through December 2016

State Legislation Faxes and Correspondence; Service Request Correspondence Dated Prior to June 30, 2017

SECTION 2. The City Council hereby finds and determines that the aforementioned public records are more than two years old and no longer required to be kept and maintained as public records.

SECTION 3. The City Clerk is directed to cause said record to be destroyed in accordance with the terms and provisions of Section 34090 of the Government Code of the State of California.

ADOPTED AND APPROVED THIS 13TH DAY OF AUGUST, 2019.

_____
Mayor

ATTEST:

_____
City Clerk

APPROVED BY DEPARTMENT HEAD

I, Thaddeus McCormack, do hereby certify that I am the duly appointed City Manager and that the aforementioned records of the City of Lakewood are more than two years of age, and the further maintenance of the same is no longer necessary or required. I recommend that said records be destroyed.

DATED this _____ day of _____, 2019.

_____
Assistant City Manager

APPROVAL BY CITY ATTORNEY

I do hereby certify that I am the duly appointed City Attorney of the City of Lakewood and that the aforementioned records are not required to be kept by statute or law and may be destroyed if more than two years of age, provided destruction thereof has been approved by the Department Head and the City Council.

DATED this _____ day of _____, 2019.

_____
City Attorney

RESOLUTION NO. 2019-30

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAKEWOOD AUTHORIZING THE DESTRUCTION OF CERTAIN PUBLIC RECORDS OF THE DEPARTMENT OF ADMINISTRATION MORE THAN TWO YEARS OLD

THE CITY COUNCIL OF THE CITY OF LAKEWOOD DOES HEREBY FIND, DETERMINE AND RESOLVE AS FOLLOWS:

SECTION 1. Pursuant to the recommendation of the City Clerk and approval of the City Attorney and Department Head, the City Clerk is hereby authorized to destroy the following public records:

Sheriff's Department Crime Summary Reports; Sky Knight Observer Summary Reports; and General Correspondence Dated Prior to June 30, 2017

Sky Knight Flight Hours Reports, Monthly Reports for Participating Cities and Operating Procedures Dated Prior to June 30, 2017

Los Angeles Regional Crime Information System (PARCIS) Grant Materials Audited Prior to June 30, 2016

Operation Lakewood Auto Watch (LAW) Registration Forms for Applicants No Longer Enrolled and Program Withdrawal Cards Dated Prior to June 30, 2017

Live Scan Applications Dated Prior to July 2017

SECTION 2. The City Council hereby finds and determines that the aforementioned public records are more than two years old and no longer required to be kept and maintained as a public record.

SECTION 3. The City Clerk is directed to cause said records to be destroyed in accordance with the terms and provisions of Section 34090 of the Government Code of the State of California.

ADOPTED AND APPROVED THIS 13TH DAY OF AUGUST, 2019.

_____
Mayor

ATTEST:

_____
City Clerk

APPROVED BY DEPARTMENT HEAD

I, Joshua Yordt, do hereby certify that I am the duly appointed Public Safety Director and that the aforementioned records of the City of Lakewood are more than two years of age, and the further maintenance of the same is no longer necessary or required. I recommend that said records be destroyed.

DATED this _____ day of _____, 2019.

_____
Assistant City Manager

APPROVAL BY CITY ATTORNEY

I do hereby certify that I am the duly appointed City Attorney of the City of Lakewood and that the aforementioned records are not required to be kept by statute or law and may be destroyed if more than two years of age, provided destruction thereof has been approved by the Department Head and the City Council.

DATED this _____ day of _____, 2019.

_____
City Attorney

RESOLUTION NO. 2019-31

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAKEWOOD AUTHORIZING THE DESTRUCTION OF CERTAIN PUBLIC RECORDS OF THE DEPARTMENT OF CITY CLERK MORE THAN TWO YEARS OLD

THE CITY COUNCIL OF THE CITY OF LAKEWOOD DOES HEREBY FIND, DETERMINE AND RESOLVE AS FOLLOWS:

SECTION 1. Pursuant to the recommendation of the City Clerk and approval of the City Attorney and Department Head, the City Clerk is hereby authorized to destroy the following public records:

Audio Recordings of Meetings of the City Council Dated Prior to June 30, 2017

Claims for Damages Filed Against the City of Lakewood Closed Prior to June 30, 2014

Litigation Files Closed Prior to June 30, 2014

Statements of Economic Interest of City Officers and Employees Filing Period Dated Prior to January 1, 2012

Notices of Adjournment and Affidavits of Posting for Meetings of the City Council Dated Prior to December 31, 2009

Applicant Forms and Petitions for Street Closures Approved Prior to June 30, 2017

Unsuccessful Bids for Public Works Projects Completed Prior to June 30, 2017

Unsuccessful Bids for Purchasing Bids Awarded Prior to June 30, 2017

Unsuccessful Bids for Requests for Proposals Submitted Prior to June 30, 2017

Public Records Acts Requests Dated Prior to June 30, 2017

Original Campaign Disclosure Forms of Unsuccessful Candidates for City Council Elections Prior to June 30, 2009

Delinquent Garbage, Waste and Refuse Collection Hearing Notices and Reports Dated Through June 30, 2017

Undeliverable Public Hearing Notices Dated Through June 30, 2016

Parade Applications Approved Prior to June 30, 2006

SECTION 2. The City Council hereby finds and determines that the aforementioned public records are more than two years old and no longer required to be kept and maintained as a public record.

SECTION 3. The City Clerk is directed to cause said records to be destroyed in accordance with the terms and provisions of Section 34090 of the Government Code of the State of California.

ADOPTED AND APPROVED THIS 13TH DAY OF AUGUST, 2019.

_____
Mayor

ATTEST:

_____
City Clerk

APPROVED BY CITY CLERK

I, Jo Mayberry, do hereby certify that I am the duly appointed City Clerk and that the aforementioned records of the City of Lakewood are more than two years of age, and the further maintenance of the same is no longer necessary or required. I recommend that said records be destroyed.

DATED this _____ day of _____, 2019.

_____
City Clerk

APPROVAL BY CITY ATTORNEY

I do hereby certify that I am the duly appointed City Attorney of the City of Lakewood and that the aforementioned records are not required to be kept by statute or law and may be destroyed if more than two years of age, provided destruction thereof has been approved by the Department Head and the City Council.

DATED this _____ day of _____, 2019.

_____
City Attorney

RESOLUTION NO. 2019-32

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAKEWOOD AUTHORIZING THE DESTRUCTION OF CERTAIN PUBLIC RECORDS OF THE DEPARTMENT OF COMMUNITY DEVELOPMENT MORE THAN THREE YEARS OLD

THE CITY COUNCIL OF THE CITY OF LAKEWOOD DOES HEREBY FIND, DETERMINE AND RESOLVE AS FOLLOWS:

SECTION 1. Pursuant to the recommendation of the City Clerk and approval of the City Attorney and the Department Head, the City Clerk is hereby authorized to destroy the following public records:

Closed Paid Back Loan Files Dated Prior to July 1, 2014

Closed/Cancelled Applications for Loans or Grants Dated Prior to July 1, 2014

Community Development Block Grant Program Files Closed Prior to June 30, 2014

Audio Recordings of Meetings of the Planning and Environment Commission Dated Prior to June 30, 2017

SECTION 2. The City Council hereby finds and determines that the aforementioned public records have been retained more than three (3) years from the date the loan has been paid back and the file closed, and the same are no longer required to be kept and maintained as public records.

SECTION 3. The City Clerk is directed to cause said records to be destroyed in accordance with the terms and provisions of Section 34090 of the Government Code of the State of California and the Code of Federal Regulations, Title 24 Section 570.490 Housing and Urban Development record retention.

ADOPTED AND APPROVED THIS 13TH DAY OF AUGUST, 2019.

_____
Mayor

ATTEST:

_____
City Clerk

APPROVED BY DEPARTMENT HEAD

I, Abel Avalos, do hereby certify that I am the Department Head of the Community Development Department and that the aforementioned records of the City of Lakewood are more than two years of age, and the further maintenance of the same is no longer necessary or required. I recommend that said records be destroyed.

DATED this _____ day of _____, 2019.

_____
Department Head

APPROVAL BY CITY ATTORNEY

I do hereby certify that I am the duly appointed City Attorney of the City of Lakewood and that the aforementioned records are not required to be kept by statute or law and may be destroyed if more than two years of age, provided destruction thereof has been approved by the Department Head and the City Council.

DATED this _____ day of _____, 2019.

_____
City Attorney

RESOLUTION NO. 2019-33

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAKEWOOD AUTHORIZING THE DESTRUCTION OF CERTAIN PUBLIC RECORDS OF THE DEPARTMENT OF FINANCE AND ADMINISTRATIVE SERVICES MORE THAN TWO YEARS OLD

THE CITY COUNCIL OF THE CITY OF LAKEWOOD DOES HEREBY FIND, DETERMINE AND RESOLVE AS FOLLOWS:

SECTION 1. Pursuant to the recommendation of the City Clerk and approval of the City Attorney and Department Head, the Director of Administrative Services is hereby authorized to destroy the following public records:

	through June 30
Notices of vehicles towed	2016
Closed Law suits / small claims	2017
Closed Subpoenas	2017
Closed Transmittals to the hearing officer/court	2017
Citations	2014
Dismissals	2014
Parking control – data	2014
Superceded Bail Schedule	2013
Utility billing - data and reports	2012
Utility rates	2012
Meter reading report	2012
Utility rebate report	2012
Utility service orders	2012
Connection/disconnects/registers/service	2012
Solid waste collection/disposal reports	2012
Closed liens / collections / small claims	2012
Utility customer records	2012
Superceded Recycling programs	2017
Superceded Conservation programs	2017
Superceded Regulations	2017
Building maintenance / leases	2012
Administrative Citations	2011
Bicycle licenses	2011
Bingo license	2011
Secondhand dealer license (pawn broker)	2011

Special event and other permits	2011
General billing records	2011
DUI billings	2011
Damage to city property	2011
Inactive business licenses	2012
Tax receivable: Sales/Property/UUT/TOT	2011
UUT exemption certificates	2011
TOT exemption certificates	2011
Federal and state funding reports	2011
1099 forms	2011
Checks	2011
Canceled checks	2011
Invoices	2011
Cash Disbursement Reports	2011
Contracts	2011
Bids & request for proposals/qualifications	2013
Successful and unsuccessful bidder/responder	2013
Purchase orders	2012
Stores / inventory	2012
Terminated contracts & agreements (no capital)	2012
Terminated building maintenance / leases	2012
Terminated equipment maintenance / leases	2012
Terminated vendor information	2011
Time cards	2011
W2s	2012
Salary records	2011
PERS reports	2011
Deferred comp reports	2011
Deduction reports	2011
Federal & state tax	2011
Payroll register	2011
General Ledger	2009
GL Trial Balance reports	2012
Revenue and expense reports	2012
Closed HUD Final Reports	2009
Superceded Studies / statistics	2016
Superceded Policies & procedures	2014
Bank registers	2011
Bank statements	2011

Deposit slips/records	2011
Daily cash receipts	2011
Bank reconciliations	2011
Investment transactions	2015
Closed RDA Statement of Indebtedness final report	2009
Closed Bond account statements, coupons and administration	2009
Budget amendments & transfers	2012
Proposed and operating budgets	2012
Labor distribution - Allocation Codes	2012
Internal periodic/regular reviews	2016
Audit work papers	2016
Audit hearing or review	2016
Grants - non-governmental	2011
CDBG	2011
Grants - federal, state and other governmental	2011
Grant - unsuccessful application	2017
Inventory list and documentation	2012
Surplus property auction or other disposal	2014

SECTION 2. The City Council hereby finds and determines that the aforementioned public records are more than two years old and no longer required to be kept and maintained as a public record.

SECTION 3. The City Clerk is directed to cause said records to be destroyed in accordance with the terms and provisions of Section 34090 of the Government Code of the State of California.

ADOPTED AND APPROVED THIS 13TH DAY OF AUGUST, 2019.

_____
Mayor

ATTEST:

_____
City Clerk

APPROVED BY DEPARTMENT HEAD

I, Jose Gomez, do hereby certify that I am the duly appointed Department Head of the Administrative Services Department and that the aforementioned records of the City of Lakewood are more than two years of age, and the further maintenance of the same is no longer necessary or required. I recommend that said records be destroyed.

DATED this _____ day of _____, 2019.

_____
Department Head

APPROVAL BY CITY ATTORNEY

I do hereby certify that I am the duly appointed City Attorney of the City of Lakewood and that the aforementioned records are not required to be kept by statute or law and may be destroyed if more than two years of age, provided destruction thereof has been approved by the Department Head and the City Council.

DATED this _____ day of _____, 2019.

_____
City Attorney

RESOLUTION NO. 2019-34

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAKEWOOD AUTHORIZING THE DESTRUCTION OF CERTAIN PUBLIC RECORDS OF THE DEPARTMENT OF PERSONNEL MORE THAN TWO YEARS OLD

THE CITY COUNCIL OF THE CITY OF LAKEWOOD DOES HEREBY FIND, DETERMINE AND RESOLVE AS FOLLOWS:

SECTION 1. Pursuant to the recommendation of the City Clerk and approval of the City Attorney and Department Head, the City Clerk is hereby authorized to destroy the following public records:

Personnel Files of Terminated Seasonal & Part-time Employees Dated Prior to June 30, 2014

Eligibility and Hiring Lists for Positions Filled Prior to June 30, 2017

Overtime and Leave Request Forms* Dated Prior to July 1, 2012
*excepting injury/illness related forms

Industrial Accident Reports Dated Prior to 1986

SECTION 2. The City Council hereby finds and determines that the aforementioned public records are more than two years old and no longer required to be kept and maintained as a public record.

SECTION 3. The City Clerk is directed to cause said records to be destroyed in accordance with the terms and provisions of Section 34090 of the Government Code of the State of California.

ADOPTED AND APPROVED THIS 13TH DAY OF AUGUST, 2019.

_____
Mayor

ATTEST:

_____
City Clerk

APPROVED BY DEPARTMENT HEAD

I, Thaddeus McCormack, do hereby certify that I am the duly appointed City Manager and that the aforementioned records of the City of Lakewood are more than two years of age, and the further maintenance of the same is no longer necessary or required. I recommend that said records be destroyed.

DATED this _____ day of _____, 2019.

_____
City Manager

APPROVAL BY CITY ATTORNEY

I do hereby certify that I am the duly appointed City Attorney of the City of Lakewood and that the aforementioned records are not required to be kept by statute or law and may be destroyed if more than two years of age, provided destruction thereof has been approved by the Department Head and the City Council.

DATED this _____ day of _____, 2019.

_____
City Attorney

RESOLUTION NO. 2019-35

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAKEWOOD AUTHORIZING THE DESTRUCTION OF CERTAIN PUBLIC RECORDS OF THE DEPARTMENT OF RECREATION AND COMMUNITY SERVICES MORE THAN TWO YEARS OLD

THE CITY COUNCIL OF THE CITY OF LAKEWOOD DOES HEREBY FIND, DETERMINE AND RESOLVE AS FOLLOWS:

SECTION 1. Pursuant to the recommendation of the City Clerk and approval of the City Attorney and Department Head, the City Clerk is hereby authorized to destroy the following public records:

Application and Agreement for Use of Recreation Facilities Dated Through December 31, 2016

Picnic Shelter Reservation Applications and Supplemental Questionnaires Dated Through June 30, 2017

Facility Schedule Book (Red Book) Dated Through December 31, 2016

Application and Agreement for Use of Craft or Display Booth Dated Through June 30, 2017

CDBG Participant Audit Sheets Dated Through June 30, 2016

Accident Reports Occurring Prior to December 31, 2016 (adults and minors who have reached the age of 19)

Incident and Injury Reports (Special Occurrence Reports) Occurring Prior to December 31, 2016 (adults and minors who have reached the age of 19)

DASH Passenger Logs Dated Through June 30, 2017

Sports Officials Schedules Dated Through June 30, 2017

Contract Class Registrations Dated Through June 30, 2017 (adults and minors who have reached the age of 19)

Personal Service Agreements and Exhibits for Contract Class Instructors Dated Through June 30, 2014

Permission Slips, Registrations and Rosters for All Parks and Community Centers Dated Through June 30, 2017 (adults and minors who have reached the age of 19)

Volunteer Registrations, Rosters and Fingerprint Cards Dated Through June 30, 2017

Recreation and Community Services Commission Agenda Packets Dated Through June 30, 2017

Notices of Adjournment and Affidavits of Posting for Meetings of the Recreation and Community Services Commission Dated Prior to December 31, 2009

Pool Rescue Reports Occurring Prior to June 30, 2017
(adults and minors who have reached the age of 19)

SECTION 2. The City Council hereby finds and determines that the aforementioned public records are more than two years old and no longer required to be kept and maintained as a public record.

SECTION 3. The City Clerk is directed to cause said records to be destroyed in accordance with the terms and provisions of Section 34090 of the Government Code of the State of California.

ADOPTED AND APPROVED THIS 13TH DAY OF AUGUST, 2019.

_____
Mayor

ATTEST:

_____
City Clerk

APPROVED BY DEPARTMENT HEAD

I, Valarie Frost, do hereby certify that I am the Department Head of the Recreation and Community Services Department and that the aforementioned records of the City of Lakewood are more than two years of age, and the further maintenance of the same is no longer necessary or required. I recommend that said records be destroyed.

DATED this _____ day of _____, 2019.

_____
Department Head

APPROVAL BY CITY ATTORNEY

I do hereby certify that I am the duly appointed City Attorney of the City of Lakewood and that the aforementioned records are not required to be kept by statute or law and may be destroyed if more than two years of age, provided destruction thereof has been approved by the Department Head and the City Council.

DATED this _____ day of _____, 2019.

_____
City Attorney

RESOLUTION NO. 2019-36

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAKEWOOD AUTHORIZING THE DESTRUCTION OF CERTAIN PUBLIC RECORDS OF THE DEPARTMENT OF WATER RESOURCES MORE THAN TWO YEARS OLD

THE CITY COUNCIL OF THE CITY OF LAKEWOOD DOES HEREBY FIND, DETERMINE AND RESOLVE AS FOLLOWS:

SECTION 1. Pursuant to the recommendations of the City Clerk and approval of the City Attorney and Water Resources Department Head, the City Clerk is hereby authorized to destroy the following public records:

Continuing Education Class Modules Quizzes and Attendance Rosters
dated through December 2014

Confined Space Entry Logs dated through June 30, 2017

Golden State Water Company Advice Letters dated through December 2015

Central Basin Water Association Financial Statements, Surveys, Proposals, General Correspondence and Memoranda dated through December 2016

Underground Service Alerts
dated January to December 2016

Service Orders and Standby Service Orders dated through June 30, 2017

General Correspondence dated through 2016

Bacteriological Water Sampling Laboratory Reports
dated through June 30, 2014

SECTION 2. The City Council hereby finds and determines that the aforementioned public records are more than two years old and no longer required to be kept and maintained as public records.

SECTION 3. The City Clerk is directed to cause said record to be destroyed in accordance with the terms and provisions of Section 34090 of the Government Code of the State of California.

ADOPTED AND APPROVED THIS 13TH DAY OF AUGUST, 2019.

_____
Mayor

ATTEST:

_____

City Clerk

APPROVED BY DEPARTMENT HEAD

I, Jason Wen, do hereby certify that I am the Department Head of Water Resources Department and that the aforementioned records of the City of Lakewood are more than two years of age, and the further maintenance of the same is no longer necessary or required. I recommend that said records be destroyed.

DATED this _____ day of _____, 2019.

_____
Department Head

APPROVAL BY CITY ATTORNEY

I do hereby certify that I am the duly appointed City Attorney of the City of Lakewood and that the aforementioned records are not required to be kept by statute or law and may be destroyed if more than two years of age, provided destruction thereof has been approved by the Department Head and the City Council.

DATED this _____ day of _____, 2019.

_____
City Attorney

DIVIDER SHEET

COUNCIL AGENDA
August 13, 2019

TO: The Honorable Mayor and City Council

SUBJECT: Agreements with Lew Edwards Group and FM3 Research for Community Engagement and Public Opinion Surveying Related to the City's Fiscal Situation

INTRODUCTION

On March 12, 2019, the City Council approved six-month agreements with the Lew Edwards Group and FM3 Research to provide expert assistance in community engagement and public opinion surveying related to the city's fiscal situation. Those initial six-month agreements are coming to a close at the end of August 2019.

STATEMENT OF FACTS

Since 2012, the City of Lakewood has lost over $30 million in funding because of state and federal funding takeaways, along with additional losses from a flattening of local sales tax revenues to the city. These revenue reductions have led to a situation where the city is facing a growing structural deficit that must be addressed in order to protect Lakewood's financial stability and quality of life.

The city has already benefitted extensively from the expert assistance provided by the Lew Edwards Group and FM3 Research. By extending the work with these two firms for another six months, from September 1, 2019 to February 28, 2020, the city will benefit further from their expert consultation, assistance and service.

RECOMMENDATION

Staff recommends that the City Council that the City Council authorize the Mayor to execute a contract with the Lew Edwards Group, subject to approval as to legal form by the City Attorney, in an amount not to exceed $34,500; that the City Council authorize the Mayor to execute a contract with FM3 Research, subject to approval as to legal form by the City Attorney, in an amount not to exceed $24,800; and that those funds be appropriated from the General Fund.

Bill Grady
Public Information Officer

Thaddeus McCormack
City Manager

FIRST AMENDMENT TO
AGREEMENT FOR PROFESSIONAL SERVICES

This Amendment, made and entered into with an effective date of August 13, 2019, amends that certain "Agreement for Professional Services" made and entered into on March 20, 2019, by and between the City of Lakewood and the Lew Edwards Group (the "Agreement").

The parties hereby agree to the following amendment to the Agreement:

The Time of Performance set forth in Section 2 is hereby extended through February 28, 2020, with the Scope of Services, timeline and compensation for the period from September 1, 2019, through February 28, 2020, all as set forth in Exhibits A and B attached hereto.

Except as set forth herein, the Agreement shall remain in full force and effect.

Based on the mutual promises contained in the Agreement and in this Amendment, and intending to be legally bound, the parties have executed this Amendment, below, as of the date first set forth above.

CITY OF LAKEWOOD

_____
Mayor

Attest:

_____
City Clerk

Approved as to form:

_____
City Attorney

THE LEW EDWARDS GROUP

_____
(by)

DIVIDER SHEET

TO: The Honorable Mayor and City Council

SUBJECT: Adoption of Resolution Establishing Employee Benefits, Defining the Conditions and Hours of Employment and Adopting a Classification and Compensation Plan for Unrepresented City Officers and Employees

INTRODUCTION

This resolution establishes employee benefits, conditions and hours of employment, and a classification and compensation plan for unrepresented City officers and employees, effective FY 2019-2020.

STATEMENT OF FACT

Unrepresented City officers and employees are those employees that fall under the following categories:

- Supervisory and Junior Administrative Employees
- Management and Administrative Officers
- Executive Management Officers

The following compensation and benefit terms will be effective with the adoption of this resolution:

- Basic Compensation Plan – The City shall grant an increase of 1.25%.
- Retirement System – Employees who fall under the "Classic Member" category as defined by the California Public Employees' Pension Reform Act of 2013 (PEPRA) will pay 3.25% of the employee member contribution (EPMC). The City will pay 3.75% of the EPMC and include its value in the salary reported to CalPERS.
- Cafeteria Benefit Plan – Effective with the first paycheck in December 2019, the City shall provide an increase of $25.00 per month for a total monthly contribution of $1,259.02.

RECOMMENDATION

It is recommended that the City Council adopt the proposed resolution.

Thaddeus McCormack
City Manager

RESOLUTION NO. 2019-37

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAKEWOOD ESTABLISHING EMPLOYEE BENEFITS, DEFINING THE CONDITIONS AND HOURS OF EMPLOYMENT AND ADOPTING A CLASSIFICATION AND COMPENSATION PLAN FOR UNREPRESENTED CITY OFFICERS AND EMPLOYEES

WHEREAS, the Lakewood City Council heretofore adopted Resolution No. 2018-52 pertaining to Employee Benefits and the Classification and Compensation of City Officers and Employees; and

WHEREAS, on August 19, 2011, the California Public Employees Retirement System adopted Title 2 of the California Code of Regulations, Section 570.5 to further define those items of compensation which will be included in a member's compensation for purposes of determining the member's retirement allowance and to clarify existing law which limited pay rates to amounts set forth on a publicly available rate schedule;

WHEREAS, the Lakewood City Council heretofore adopted Resolutions No. 2010-21 and 2008-76 implementing section 414(h)(2) of the Internal Revenue Code by making employee contributions pursuant to California Government Code section 20691 to the Public Employees' Retirement System on behalf of all of its employees who are members of the Public Employees Retirement System;

WHEREAS, the Lakewood City Council heretofore adopted Resolutions No. 94-62 and 77-75 stipulating that the City has elected to pay member contributions to CalPERS as compensation;

WHEREAS, this resolution modifies Resolutions No. 2018-57, 2010-21, 2008-76, 94-62 and 77-75 for unrepresented City Officers and Employees by requiring that members of that group pay 3.25% of their employee contributions to the Public Employees' Retirement System, with the City paying 3.75%;

WHEREAS, the Lakewood City Council heretofore adopted Resolutions No. 2001-73 and 2005-16 authorizing establishment of supplemental retirement plans administered by Phase II Systems, PARS Trust Administrator;

WHEREAS, the Lakewood City Council entered into a contract effective February 1, 1955 as amended effective November 1, 1962, January 5, 1979 and August 22, 1999 to provide pension benefits for all eligible employees;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Lakewood as follows:

SECTION 1. The employee benefits and the classification and compensation of City unrepresented officers and employees, as specified in Attachment "A" attached, is hereby affirmed.

SECTION 2. Except as otherwise provided by resolution or ordinance, the classification and compensation plan of city officers and employees shall be in accordance with Attachment "B" attached hereto and made a part hereof as though set forth in full. For the purposes of said classification and compensation plan the following definitions shall apply:

A. Executive Management Officers shall mean the City Manager, Assistant City Manager, Deputy City Manager and all department directors.

B. Management and Administrative Officers shall mean employees appointed as assistant directors, superintendents and managers who directly assist the head of a department.

C. Supervisory and Junior Administrative Employees are employees appointed as supervisors, professionals, analysts, specialists, program coordinators and community conservation representatives.

D. General or Miscellaneous Employees shall mean all other employees appointed to a position in the classified service.

SECTION 3. Nonclassified Officers and Employees. Except where otherwise provided in resolution or ordinance, the compensation and benefits for all other officers and employees, including part time, temporary, emergency and seasonal employees, shall be governed by a separate resolution.

SECTION 4. Employee Benefits and Duties

A. Attachment "A."
Revisions to employee benefits and terms and conditions of employment are hereby established as those set forth in Attachment "A" for all unrepresented city officers and employees set forth in Attachment "B", except where otherwise provided in this resolution.

B. Attendance to Duty.
All officers and employees shall be in attendance at their official duties and place of work as required by this resolution or any ordinance or resolution of the city, or in accordance with the direction of the department head or City Manager. Failure on the part of any employee, absent without leave or notification to return to duty within 24 hours shall be cause for immediate discharge.

C. Hours and Days of Work.
The normal workweek for all officers and employees in the classified service shall be considered as forty (40) hours. Unless otherwise specified, each employee's regular reoccurring workweek shall be deemed to begin at the midpoint of the employee's work shift on Fridays. Those with alternative workweeks are prescribed herein. Any changes in a non-exempt employee's workweek shall be made prospectively and must be approved in writing by the Human Resources Manager.

Position Title	Department	Workweek Begins
Centre AV Technician (2)	Administration	Monday, 12:01 AM
Community Safety Specialist (2)	Administration	Monday, 12:01 AM
Park Maintenance Worker (Centre)	Recreation and Community Services	Sunday, 12:01 AM
Media Operations Specialist I	Administration	Monday, 12:01 AM
Parking Control Leadworker	Administrative Services	Monday, 12:01 AM
Parking Control Officer (3)	Administrative Services	Monday, 12:01 AM
Sr. Park Maintenance Worker (Palms)	Recreation and Community Services	Tuesday, 12:01 AM

D. Fair Labor Standards Act - Exemptions
The Fair Labor Standards Act (FLSA) is a federal law which requires that most employees be paid at least the federal minimum wage for all hours worked and overtime pay at time and one-half the regular rate of pay for all hours worked over 40 hours in a workweek. Section 13(a)(1) of the FLSA, provides an exemption from both minimum wage and overtime pay for employees employed as bona fide executive, administrative, professional and outside sales employees. Section 13(a)(1) and Section 13(a)(17) also exempt certain computer employees. To qualify for exemption, employees generally must meet certain tests regarding their job duties and be paid on a salary basis at not less than $455 per week. Effective December 1, 2016 the minimum weekly salary will be $913 per week. In order for an exemption to apply, an employee's specific job duties and salary must meet all the requirements of the Department's regulations.

Salary Basis Requirement
Being paid on a "salary basis" means an employee regularly receives a predetermined amount of compensation each pay period on a weekly, or less frequent, basis. The predetermined amount cannot be reduced because of variations in the quality or quantity of the employee's work. Subject to exceptions listed below, an exempt employee must receive the full salary for any workweek in which the employee performs any work, regardless of the number of days or hours worked. Exempt employees do not need to be paid for any workweek in which they perform no work. If the city makes deductions from an employee's predetermined salary, i.e., because of the operating requirements of the business, that employee is not paid on a "salary basis." If the employee is ready, willing and able to work, deductions may not be made for time when work is not available.

Circumstances in Which the City May Make Deductions from Pay

The city has a recognized practice of allowing partial-day deductions from the pay of exempt employees for reasons of public accountability. In accordance with the city's practice, deductions from pay are permissible:

1. when an exempt employee is absent from work for personal reasons other than sickness or disability;

2. for absences due to sickness or disability if the deduction is made in accordance with a bona fide plan, policy or practice of providing compensation for salary lost due to illness;

3. to offset amounts employees receive as jury or witness fees, or for military pay; or

4. for unpaid disciplinary suspensions of one or more full days imposed in good faith for workplace conduct rule infractions as provided for in Section 16.0 of the Personnel Rules, Regulations and Procedures.

Also, the city is not required to pay the full salary in the initial or terminal week of employment; for penalties imposed in good faith for infractions of safety rules of major significance, or for weeks in which an exempt employee takes unpaid leave under the Family and Medical Leave Act. In these circumstances, either partial day or full day deductions may be made.

City Policy

It is the city's policy to comply with the salary basis requirements of the FLSA. Therefore, all managers of the city are prohibited from making any improper deductions from the salaries of exempt employees. The city does not allow deductions that violate the FLSA.

What To Do If An Improper Deduction Occurs

If an employee believes that an improper deduction has been made to his or her salary, the employee should immediately report this information to his or her direct supervisor, or to the Human Resources Manager.

Reports of improper deductions will be promptly investigated. If it is determined that an improper deduction has occurred, the affected employee will be promptly reimbursed for any improper deduction made.

FLSA Exempt Employees

The positions designated as exempt from FLSA overtime provisions are those categorized as executive management, management and administrative officers, and supervisory and junior administrative officers and employees, excluding the following: Community Conservation Representative.

E. Mileage

When authorized, city officers and employees shall receive mileage reimbursement in an amount equivalent with the Internal Revenue Service standard mileage rate to cover the use by them in

City business of their personal vehicles while performing official duties. An itemized statement on a form provided by the Director of Finance & Administrative Services shall be submitted for approval by the City Manager.

Supervisory and Junior Administrative officers and employees shall be paid the aforementioned mileage allowance and, in addition, shall receive a monthly auto allowance of $85.00 per month for the use of their vehicle in performance of City duties, except Community Services Supervisors who shall receive a monthly auto allowance of $135.00 per month for the use of their vehicle in performance of City duties.

Management and Administrative officers shall, in lieu of said mileage reimbursement, receive an automobile allowance of $245.00 per month for the use of their vehicle in performance of City duties.

The following officers and employees may be assigned use of a city vehicle in performance of City duties in lieu of any monthly auto allowance.

Parks Superintendent
Water Distribution Supervisor
Facilities Maintenance Supervisor
Fleet Manager
Tree and Hardscape Supervisor
Environmental Resources Supervisor

All employees shall receive mileage reimbursement for actual and necessary use of their private vehicles to attend authorized meetings and seminars fifty (50) miles or more from Lakewood, provided the cost of alternative transportation (i.e., airfare, vehicle rental) is more than the City mileage expense.

F. Administrative Leave

Those persons holding a position in the categories heretofore designated as Executive Management Officers, Management and Administrative Officers and Supervisory and Junior Administrative Officers are eligible to receive administrative leave as follows:

1) Executive Management Officers – up to a maximum of 64 hours per fiscal year;

2) Management and Administrative Officers and Supervisory and Junior Administrative Officers – up to a maximum of 48 hours per fiscal year;

Nothing herein shall be construed as an absolute right to administrative leave, the granting of the same being discretionary with the department head or City Manager, both as to eligibility and the time for exercising said administrative leave. Payments for any earned and unused administrative leave at the end of the fiscal year shall be computed at the employee's regular rate of pay for the past pay period ending and paid in June of each year and distributed as follows.

No such person, however, shall be eligible for any such cash payment that is not an employee of the city at the end of the fiscal year.

1) Executive Management Officers – distributions for all unused administrative leave shall be made to the employee's 401(a) Plan account;

2) Management and Administrative Officers and Supervisory and Junior Administrative Officers – distributions for all unused administrative leave shall be based upon age. Until age 40, payments shall be made in cash to eligible employees. Payments made after the employee has achieved age 40 shall be paid 33% to the employee's 401(a) Plan account and 67% in cash; after age 45, annual distribution shall be 67% to the employee's 401(a) Plan account and 33% to employee in cash; and after age 50, the entire administrative leave payment shall be deposited in the employee's 401(a) Plan account.

Administrative Leave Payoff at Termination: Upon termination, whether or not concurrently retiring under CalPERS, benefits shall be paid to the employee's 401(a) Plan account as follows:

1) Executive Management Officers shall receive a lump sum amount equal to the number of hours of administrative leave accrued at termination of employment multiplied by the 401(a) Plan Participant's Hourly Pay Rate at the time of termination.

2) Management and Administrative Officers and Supervisory and Junior Administrative Employees who are separating, but not retiring shall receive a lump sum amount equal to the sum of administrative leave and compensatory time accrued at termination of employment multiplied by the 401(a) Plan Participant's Hourly Rate of Pay at the time of termination.

G. Executive Management Compensation

The provision of this resolution relating to assignment of officers and employees to pay rate steps and to pay step advancement shall apply to Executive Management Officers in the Wage, Salary and Classification Plan attached herein. Said officers and employees shall be reviewed by the City Manager and placed at a level of compensation within the applicable salary schedule which has been designated by this resolution for said officer of the employee's position for the first pay period ending in July.

Executive Management Officers are also entitled to a merit pay/performance bonus annually on July 1st not to exceed a total of six percent (6%) in any six (6) month period and a total of eight percent (8%) in any twelve (12) month period provided they have met the performance goals and objectives set for them by the City Manager.

H. Compensatory Time for Supervisory and Junior Administrative Employees
Supervisory and exempt Junior Administrative employees shall be compensated for time worked in excess of forty (40) hours in their normal workweek at the rate of one hour of compensatory time off for each one hour worked. Non-exempt Junior Administrative employees shall be compensated for time worked in excess of forty (40) hours in their normal workweek at the rate of one and one-half hours of compensatory time off or overtime pay for each one hour worked. Executive Management, Management and Administrative Employees shall not be compensated for overtime hours worked.

Notwithstanding any provision of this section to the contrary, all overtime must be approved by the department head prior to being worked, except in the case of an emergency, which shall be reported to the City Manager on the next day of work following the emergency for the City Manager's approval. No credit shall be given to exempt employees for less than one-half (½) hour of overtime or to non-exempt employees for less than ten (10) minutes of overtime worked in any workweek.

Compensatory Time for "Gatekeeper" Services - Supervisory and Junior Administrative Employees shall be compensated for time worked as "gatekeepers" at the rate of nine hours of gatekeeper compensatory time (GCT) earned for each weekly rotation served. Service as gatekeeper requires the employee to be available by portable electronic communication device during all off-duty hours of their gatekeeping rotation period to respond to city emergency situations occurring outside of the city's regular business hours. The assignment of employees to the rotating gatekeeping schedule shall be approved by the department head.

Compensatory Time accumulation shall not exceed sixty (60) unused compensatory time-off hours at any one time except during the three month period prior to payoff the maximum accumulation may not exceed 40 hours. All compensatory time off shall be taken within the fiscal year earned, or will be paid in cash at the end of the second pay period in June with the exception of compensatory time earned after the second pay period in June, which will be carried over into the next fiscal year. At that time, up to 20 hours of accumulated compensatory time will be paid in cash to the employee with any remaining hours deposited into the employee's 401(a) Plan account. At separation, all payment for accrued compensatory time off hours will be deposited into the employee's 401(a) Plan account.

Accumulated compensatory time off may be taken by an employee upon reasonable notice and prior approval of the department head. Nothing herein is intended to limit or restrict the authority of the city to require any employee to perform overtime or gatekeeper work.

For the purposes of this section, the following positions are non-exempt Supervisory and Junior Administrative employees: Community Conservation Representative.

I. Reservation of City Rights
Whenever any right is reserved to the city by this resolution or memorandum of understanding, said right may be exercised by the City Manager under the direction and/or control of the City Council.

J. Declared Disaster Pay Policy for Exempt Employees
In the event that a disaster or a state of emergency is declared in accordance with Ordinance 74-3, "exempt" employees (under FLSA) shall be compensated for overtime hours that they work as official emergency workers. Similarly, in the event that a disaster or a state of emergency that affects the City of Lakewood is declared by the County of Los Angeles, the State of California or the Federal Government, "exempt" employees shall be compensated for the overtime hours they work as official emergency workers. This emergency overtime shall be paid at an hourly rate equal to their currently monthly base salary divided by 173.33. "Emergency Overtime" shall be paid only for those hours actually worked in excess of forty (40) hours during their normal workweek.

K. Supplemental Retirement Savings Plans
The Director of Finance & Administrative Services is hereby authorized to make all necessary payroll withholdings, deposits and leave conversions as authorized by the Defined Contribution and Defined Benefit Supplemental Retirement Savings Plans as established in Resolutions No. 2001-73 and 2005-16.

L. Vacation Compensation
No Executive Management Officer shall accumulate vacation leave beyond 160 hours or their December 31, 2001 balance, whichever is greater. No Management or Administrative Officer or Supervisory or Junior Administrative Employee shall accumulate vacation leave beyond 270 hours or their December 31, 2001 balance, whichever is greater.

Employees' vacation leave accruals shall be capped as follows. At the end of any pay period, each employee shall have deposited by the City into their 401(a) Plan account a defined contribution amount equal to the product of their rate of pay times their current bi-weekly vacation accumulation entitlement in excess of their accrual cap.

1) Executive Management Officers – 160 hours

2) Management and Administrative Officers and Supervisory and Junior Administrative Employees – 270 hours

M. Longevity Pay
Employees shall receive annual lump sum longevity payments beginning at the completion of their 10th year of City service. Eligibility for longevity lump sum payments shall be certified by the City Manager or his designee to the Director of Finance and Administrative Services. The longevity lump sum payments shall be at the rate of 1% of annual salary on achieving 10 years of service and each year thereafter for years 11, 12, 13, and 14. Upon completing 15 years of

cumulative service the rate will be increased to 2% of annual salary and continue at the rate for years 16, 17, 18, and 19. Upon reaching 20 years of service, the rate will increase to 2.5% and be paid at that rate for each year of full-time service thereafter. Annual salary, for the purposes of this section, shall be calculated at the employee's current rate of pay in their regular position on the date in which eligibility is achieved. Employee's eligibility date shall be the effective date of regular full-time employment as it appears on the employee's Personnel Action Form prepared at the time of appointment.

Longevity lump sum payment shall be paid on the next regular payday after the pay period in which the eligibility date falls and shall be distributed as follows:

1) Executive Management Officers – their entire annual longevity payment shall be deposited into their 401(a) Plan account;

2) Management and Administrative Officers and Supervisory and Junior Administrative Employees – they shall receive lump sum payments for years 10, 11, 12, 13, and 14. Beginning with year 15 and continuing through year 19, employees shall have 1% of annual salary paid in cash to the employee and 1% deposited in the employee's 401(a) Plan account. Beginning with year 20 and thereafter 1% of annual salary shall be paid in cash to the employee and 1.5% of annual salary shall be deposited into the employee's 401(a) Plan account.

If an employee, after establishing a right to longevity lump sum payment, should be terminated prior to his or her eligibility date in any subsequent year by reason of death, an industrial accident disability rating of 50% or more, illness, or a non-industrial accident preventing discharge of normal duties, said employee shall receive his pro-rated share of such longevity lump sum payment to the date of termination.

N. Sick Leave Accumulation and Payoff

Employees shall accrue eligibility for sick leave on the basis of eight (8) hours per month up to a maximum accumulation of either 240, 320 or 350 hours. Employees shall elect their sick leave accumulation cap at the time of appointment and may increase their cap to a higher level. Employees may not elect to decrease their cap. On the last payday each November, employees will be paid in cash for any accumulated and unused sick leave in excess of their elected cap on accumulation at the rate of sixty percent (60%) or seventy percent (70%) of said excess. Employees electing a 240-hour sick leave cap will be eligible for sixty percent (60%) and employees electing a 320-hour or 350-hour sick leave cap will be eligible for seventy (70%). Said cash payment shall be at the employee's rate of pay as of the payday immediately preceding the last payday in November.

Executive Management Officers shall receive 50% of any sick leave payoff they are entitled to in cash and the remaining 50% of their payoff shall be deposited into their 401(a) Plan account.

Payoff at Retirement: City will provide sick leave payoff to employees retiring directly from City service under the Public Employees' Retirement System based on the following formula:

1) Retiring employee that elects a 240-hour base will be paid at the time of retirement 50% of all accumulated and unused sick leave hours. Payment shall be made at the employee's regular rate of pay.

2) Retiring employee that elects either the 320-hour or the 350-hour base will be paid at the time of retirement 75% of all accumulated and unused sick leave hours. Payment shall be made at the employee's regular rate of pay

All sick leave hours paid upon retirement for an Executive Management Officer, Management and Administrative Officer, or Supervisory and Junior Administrative Employee shall be deposited in the employee's 401(a) Plan account.

O. Long Term Disability Insurance
The City shall pay the premium and shall select and administer a Long Term Disability insurance plan. The benefit shall be 66% of maximum monthly base earnings up to $8,000 and the elimination period shall be 60 days.

SECTION 7. All funds necessary to carry out the provisions of this resolution are hereby appropriated to the proper budgetary account. The compensation provided in Attachment "B" shall be effective August 11, 2019, as to all affected employees in the City's service on that date.

ADOPTED AND APPROVED THIS 13TH DAY OF AUGUST, 2019.

_____
Mayor

ATTEST:

_____
City Clerk

Employee Benefits and Compensation of City Unrepresented Officers and Employees

Executive Management Officers
Management & Administrative Officers
Supervisory & Junior Administrative Employees

Basic Compensation Plan: Wage and Salary Plan. Effective on August 11, 2019 the City shall grant an increase of 1.25%.

Retirement System: PERS Member Contributions. The following benefits apply to those employees who are not "New Members" as defined by the California Public Employees' Pension Reform Act of 2013 (PEPRA) but those employees who are defined as "Classic Members". Employees who fall under the "Classic Member" category will pay 3.25% of the employee member contribution (EPMC). The City will pay 3.75% of the EPMC and include its value in the salary reported to CalPERS.

Cafeteria Benefit Plan: Effective with the first paycheck in December 2019, the City shall provide an increase of $25.00 per month for a total monthly contribution of $1259.02. The cafeteria monthly contribution is inclusive of the statutory Public Employees Medical and Hospital Care Act. (PEMHCA) minimum contribution.

Resolution 2019-37
Attachment B

WAGE, SALARY ANDCLASSIFICATION PLAN
FY 2019-2020
(Effective August 11, 2019)

SUPERVISORY AND JUNIOR ADMINISTRATIVE EMPLOYEES

Schedule No.	Classification	Step 1 Monthly*	Step 2 Monthly*	Step 3 Monthly*	Step 4 Monthly*	Step 5 Monthly*
15B	Management Aide	4756	4992	5244	5506	5781
16B	Administrative Assistant I	4885	5131	5387	5657	5941
16B	Crime Prevention Specialist	4885	5131	5387	5657	5941
16B	Planning Technician	4885	5131	5387	5657	5941
18B	Accountant	5133	5391	5662	5943	6241
18B	Supervising Parking Control Officer	5133	5391	5662	5943	6241
20B	Recreation Program Coordinator	5392	5663	5945	6244	6554
20B	Video Producer	5392	5663	5945	6244	6554
22B	Administrative Assistant II	5664	5947	6247	6559	6885
22B	Assistant Project Manager	5664	5947	6247	6559	6885
22B	Executive Secretary	5664	5947	6247	6559	6885
24B	Assistant Planner	5951	6250	6565	6893	7238
24B	Community Conservation Representative	5951	6250	6565	6893	7238
24B	Community Services Supervisor	5951	6250	6565	6893	7238
24B	Community Transportation Supervisor	5951	6250	6565	6893	7238
24B	Human Resources Analyst	5951	6250	6565	6893	7238
24B	Media Services Coordinator	5951	6250	6565	6893	7238
24B	Public Information Specialist	5951	6250	6565	6893	7238
26B	Housing Specialist	6260	6574	6900	7246	7609
26B	Project Manager	6260	6574	6900	7246	7609
26B	Senior Management Analyst	6260	6574	6900	7246	7609
27B	Environmental Resources Supv.	6411	6733	7068	7423	7794
27B	Facilities Maint. Supervisor	6411	6733	7068	7423	7794
27B	Fleet Manager	6411	6733	7068	7423	7794
27B	Tree & Hardscape Supervisor	6411	6733	7068	7423	7794
28B	Community Relations Manager	6571	6899	7245	7605	7990
28B	Senior Producer	6571	6899	7245	7605	7990
28B	Water Distribution Supervisor	6571	6899	7245	7605	7990
29B	Associate Planner	6738	7074	7428	7800	8188
29B	Environmental Programs Manager	6738	7074	7428	7800	8188
29B	GIS Analyst	6738	7074	7428	7800	8188
29B	Water Administration Manager	6738	7074	7428	7800	8188
31B	Community Services Manager	7079	7431	7804	8196	8602
31B	Senior Accountant	7079	7431	7804	8196	8602
31B	Senior Human Resources Analyst	7079	7431	7804	8196	8602
33B	Helicopter Pilot II	7430	7803	8195	8601	9032
38B	Purchasing Officer	8408	8830	9269	9733	10221

***Published monthly rates are rounded to whole dollars. Acutal rates are rounded to four decimal places**

Resolution 2019-37
Attachment B

WAGE, SALARY ANDCLASSIFICATION PLAN
FY 2019-2020
(Effective August 11, 2019)

MANAGEMENT AND ADMINISTRATIVE OFFICERS

Schedule No.	Classification	Step 1 Monthly*	Step 2 Monthly*	Step 3 Monthly*	Step 4 Monthly*	Step 5 Monthly*
32B	Crime Prevention Manager	7257	7620	7998	8399	8820
32B	Community Development Coordinator	7257	7620	7998	8399	8820
34B	Neighborhood Preservation Mgr.	7616	7998	8397	8818	9260
35B	Senior Planner	7806	8198	8606	9035	9486
36B	IT Services Manager	8001	8403	8822	9261	9725
36B	Senior Project Manager	8001	8403	8822	9261	9725
36B	Finance Manager	8001	8403	8822	9261	9725
38B	Assistant to the City Manager	8408	8830	9269	9733	10221
38B	Parks Superintendent	8408	8830	9269	9733	10221
39B	City Architect	8618	9049	9502	9977	10476
40B	Asst. Dir., Rec. & Comm. Serv.	8842	9285	9750	10235	10748
40B	Asst. Director, Finance & Admin Services	8842	9285	9750	10235	10748
40B	Asst. Director, Comm. Dev.	8842	9285	9750	10235	10748
40B	Asst. Director, Public Works	8842	9285	9750	10235	10748
40B	Asst. Director of Water Resources	8842	9285	9750	10235	10748
40B	City Clerk	8842	9285	9750	10235	10748
40B	Human Resources Manager	8842	9285	9750	10235	10748
40B	Public Information Officer	8842	9285	9750	10235	10748

***Published monthly rates are rounded to whole dollars. Acutal rates are rounded to four decimal places**

Resolution 2019-37
Attachment B

WAGE, SALARY ANDCLASSIFICATION PLAN
FY 2019-2020
(Effective August 11, 2019)

EXECUTIVE MANAGEMENT OFFICERS

Schedule No.	Classification	Step 1 Monthly*	Step 2 Monthly*	Step 3 Monthly*	Step 4 Monthly*	Step 5 Monthly*
EDPS	Director of Public Safety	10497	11025	11576	12153	12772
EDCM	Deputy City Manager	13505	14181	14890	15634	16417
EDCD	Director of Comm. Dev	13505	14181	14890	15634	16417
EDRS	Director of Recreation and Community Services	13505	14181	14890	15634	16417
EDWR	Director of Water Resources	13702	14386	15105	15861	16653
EACM	Asst. City Mgr	14408	15129	15884	16679	17513
EDPW	Director of Public Works	14408	15129	15886	16679	17513
EDAS	Director of Finance & Administrative Services	15902	16699	17532	18409	19329
CMGR	City Manager	20189				

***Published monthly rates are rounded to whole dollars. Acutal rates are rounded to four decimal places**

DIVIDER SHEET

TO: The Honorable Mayor and City Council

SUBJECT: Adoption of Resolution Repealing Resolution No. 2018-38 and Enacting a Personnel Resolution Establishing Compensation, Rules and Regulations Pertaining to Hourly-Rated Part-Time Employees

INTRODUCTION

This resolution repeals a previous resolution and enacts a personnel resolution that establishes compensation, rules and regulations pertaining to hourly-rated part-time employees, effective August 11, 2019.

STATEMENT OF FACT

Hourly part time officers and employees are employees in the non-classified service, part-time employees, temporary, emergency and seasonal employees.

The City shall grant an increase of 1.25% to the hourly rates for Schedule B part time officers and employees. No increase shall be granted for Schedule A part time officers and employees. Part time employees shall not participate in or be entitled to any benefit program of the City as required by law.

RECOMMENDATION

It is recommended that the City Council adopt the proposed resolution.

Thaddeus McCormack
City Manager

RESOLUTION NO. 2019-38

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAKEWOOD REPEALING RESOLUTION NO. 2018-38 PERTAINING TO HOURLY-RATED PART-TIME EMPLOYEES AND ENACTING A PERSONNEL RESOLUTION ESTABLISHING THE COMPENSATION, RULES AND REGULATIONS PERTAINING TO HOURLY-RATED PART-TIME EMPLOYEES

THE CITY COUNCIL OF THE CITY OF LAKEWOOD DOES RESOLVE AS FOLLOWS:

SECTION 1. Resolution No. 2018-38, a resolution of the City Council of the City of Lakewood establishing the salaries and compensation of hourly-rated part-time employees and repealing previous resolution on the same subject matter, adopted by the City Council on June 26, 2018 is hereby repealed.

SECTION 2. This resolution shall be known as the Hourly-Rated Part-Time Employee Personnel Resolution.

SECTION 3. Hourly-rated part-time officers and employees shall be those officers and employees in the non-classified service, part-time employees, temporary, emergency and seasonal employees.

1. Compensation. Hourly-rated part-time officers and employees shall be compensated for said service in accordance with the job description and hourly rates incorporated herein as Attachment A. In the event that any adjustment in any applicable minimum wage causes any such rate to be out of compliance with minimum wage requirements, then such rate shall be adjusted automatically to comply with such minimum wage requirements.

2. Benefits. Part-time employees shall not participate in or be entitled to any benefit program of the City except as required by law.

3. Pay Periods. All part-time employees shall be paid on a biweekly basis. Payday shall be during the week following the end of the biweekly pay period.

SECTION 4. This Resolution shall become effective on August 11, 2019.

ADOPTED AND APPROVED THIS 13TH DAY OF AUGUST 2019.

_____
Mayor

ATTEST:

_____
City Clerk

Resolution 2019-38
Attachemnt A

HOURLY RATED PART TIME EMPLOYEES

Schedule "A"	Job Description	EFFECTIVE DATE 8/11/2019
	Administrative Aide	12.0000
	Cashier-Clerk	14.3619
	CATV Production Assistant	18.3815
	CATV Production Intern	16.4249
	Center Event Technician	18.3815
	Clerk Typist I	15.4134
	Clerk Typist II	16.2251
	Clerk Typist III	17.0107
	Clerk Typist IV	17.8225
	Clerk Typist V	18.7144
	Clerk Typist VI	19.6593
	Crossing Guard I	15.4267
	Crossing Guard II	16.2521
	Crossing Guard III	17.0371
	Crossing Guard IV	17.9026
	DASH Dispatcher II	14.9475
	DASH Dispatcher III	17.1569
	DASH Dispatcher IV	19.0206
	DASH Transportation I Driver-in-Training	12.0438
	DASH Transportation Driver II	14.9475
	DASH Transportation Driver III	17.1569
	DASH Transportation Driver IV	19.0206
	Intern I	19.2201
	Intern II	20.2050
	Lifeguard/Swim Instructor I	15.3469
	Lifeguard/Swim Instructor II	16.1186
	Lifeguard/Swim Instructor III	16.6380
	Lifeguard/Swim Instructor IV	17.4100
	Locker Attendant	12.4051
	Maintenance Aide I	12.4051
	Maintenance Aide II	14.9475
	Maintenance Aide III	17.1570
	Media Production Center Tech A	47.5979
	Pool Manager I	20.4180
	Pool Manager II	21.4429
	Pool Manager III	22.4946
	Pool Manager IV	23.6391
	Public Works Inspector	52.4561
	Recreation Leader I	12.4051
	Recreation Leader II	14.9475

Recreation Leader III	17.1570
Recreation Leader IV	19.0206
Recreation Specialist I	22.1617
Recreation Specialist II	26.8070
Recreation Specialist III	32.2244
Recreation Specialist IV	37.5751
Relief Administrative Clerk I	22.0950
Relief Administrative Clerk II	24.3313
Relief Administrative Clerk III	26.2347
Relief Building Inspector	70.5981
Relief Helicopter Pilot	40.1573
Relief Parking Control Officer I	21.8689
Relief Parking Control Officer II	24.2381
Relief Parking Control Officer III	26.6474
Relief Senior Building Inspector	92.2539
Relief Telephone Operator	18.8475
Sports Official	22.1617
Senior Building Inspector	92.2539
Senior Lifeguard I	16.7177
Senior Lifeguard II	17.4898
Senior Lifeguard III	18.3950
Senior Lifeguard IV	19.2867
Senior Relief Helicopter Pilot	44.3633
Student Recreation Assistant	12.0000
Student Intern	12.0000
Tree Inspector	24.1183
Video Operations Assistant I	21.4164
Video Operations Assistant II	22.4677
Video Operations Assistant III	23.6258
Video Operations Assistant IV	24.7971
Video Operations Assistant V	26.0484
Video Project Specialist I	28.5507
Video Project Specialist II	47.5979

Resolution 2019-38
Attachment A

HOURLY RATED PART TIME EMPLOYEES

Schedule "B"	Job Description	EFFECTIVE DATE 8/11/2019
	Administrative Specialist I	26.4818
	Administrative Specialist II	27.7890
	Administrative Specialist III	29.1904
	Administrative Specialist IV	30.6460
	Administrative Specialist V	32.1960
	Aquatics Safety Instructor I	14.3733
	Aquatics Safety Instructor II	15.0961
	Aquatics Safety Instructor III	15.5826
	Aquatics Safety Instructor IV	16.3056
	Aquatics Specialist I	19.2308
	Aquatics Specialist II	20.1962
	Aquatics Specialist III	21.1867
	Aquatics Specialist IV	22.2647
	Capital Project Clerk	17.2233
	Center Event Specialist	18.1262
	Community Services Leader II	14.0698
	Community Services Leader III	16.1722
	Community Services Leader IV	17.9106
	Community Services Officer I	26.3740
	Community Services Officer II	27.6812
	Community Services Officer III	29.0827
	Community Services Officer IV	30.5381
	Community Services Officer V	32.0612
	Community Services Specialist	20.8755
	Construction Inspector	53.1118
	DASH Communication Specialist I	17.9106
	DASH Communication Specialist II	20.8756
	DASH Paratransit Specialist I	17.9106
	DASH Paratransit Specialist II	20.8756
	Fingerprint Technician I	26.3740
	Fingerprint Technician II	27.6812
	Fingerprint Technician III	29.0826
	Fingerprint Technician IV	30.5381
	Fingerprint Technician V	32.0612
	Graphic Design Aide I	22.6395
	Graphic Design Aide II	25.8188
	Legislative Technician I	36.0503
	Legislative Technician II	39.2037

Maintenance Services Aide I	12.1500
Maintenance Services Aide II	13.8024
Maintenance Services Aide III	15.8427
Maintenance Services Aide IV	17.8162
Maintenance Trainee I	16.9807
Maintenance Trainee II	17.8162
Management Trainee I	20.3902
Management Trainee II	21.4145
Media Aide	17.3042
Media Production Center Tech B	44.8101
Paratransit Communication Operator II	14.0696
Paratransit Communication Operator III	16.1722
Paratransit Communication Operator IV	17.9106
Paratransit Communication Operator V	20.8756
Paratransit Vehicle Operator I	12.1500
Paratransit Vehicle Operator II	14.0696
Paratransit Vehicle Operator III	16.1722
Paratransit Vehicle Operator IV	17.9106
Paratransit Vehicle Operator V	20.8756
Parking Enforcement Technician I	20.5655
Parking Enforcement Technician II	22.8161
Project Architect	60.4365
Project Management Assistant	22.8297
Relief Telephone Operator/Service Receptionist	17.7623
Senior Aquatics Guard I	15.6572
Senior Aquatics Guard II	16.9271
Senior Aquatics Guard III	17.2281
Senior Aquatics Guard IV	18.0632
Senior Community Services Specialist	30.3362
Service Request Representative I	20.6732
Service Request Representative II	21.7111
Service Request Representative III	22.8297
Support Services Clerk I	20.5925
Support Services Clerk II	21.6032
Support Services Clerk III	22.6812
Support Services Clerk IV	23.8133
Video Operations Specialist	29.5949
Video Operations Technician I	20.1477
Video Operations Technician II	21.1586
Video Operations Technician III	22.2366
Video Operations Technician IV	23.3283
Video Operations Technician V	24.5276
Water Resources Intern I	18.1873
Water Resources Intern II	19.1192

DIVIDER SHEET

COUNCIL AGENDA
August 13, 2019

TO: The Honorable Mayor and City Council

SUBJECT: Adoption of Resolution Paying and Reporting the Value of Employer Paid Member Contribution for Unrepresented City Officers and Employees

INTRODUCTION

This resolution establishes the payment and reporting of Employer Paid Member Contribution (EPMC) to the California Public Employees Retirement System (CalPERS) for "Classic Members," effective August 11, 2019.

STATEMENT OF FACT

Unrepresented city officers and employees are those employees that fall under the following category:

- Executive Management Officers
- Management and Administrative Officers
- Supervisory and Junior Administrative Employees
- Part-time Schedule B Employees

The following benefit terms will be effective August 11, 2019, with the adoption of this resolution:

- Retirement System – Employees who fall under the "Classic Member" category as defined by the California Public Employees' Pension Reform Act of 2013 (PEPRA) will pay 3.25% of the employee member contribution (EPMC). The City will pay 3.75% of the EPMC and include its value in the salary reported to CalPERS.

RECOMMENDATION

It is recommended that the City Council adopt the proposed resolution.

Thaddeus McCormack
City Manager

RESOLUTION NO. 2019-39

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAKEWOOD ESTABLISHING PAYING AND REPORTING THE VALUE OF EMPLOYER PAID MEMBER CONTRIBUTION FOR UNREPRSENTED CITY OFFICERS AND EMPLOYEES

WHEREAS, the Lakewood City Council has the authority to implement Government Code Section 20636(c) (4) pursuant to Section 20691;

WHEREAS, the Lakewood City Council has a written labor policy or agreement, which specifically provides for the normal member contributions to be paid by the employer, and reported as additional compensation;

WHEREAS, one of the steps in the procedures to implement Section 20691 is the adoption by the Lakewood City Council of a Resolution to commence paying and reporting the value of said Employer Paid Member Contributions (EPMC);

WHEREAS, the Lakewood City Council has identified the following conditions for the purpose of its election to pay EPMC;

- This benefit shall apply to all unrepresented officers and employees who fall under the "Classic Member" category as defined by the California Public Employees' Pension Reform Act of 2013 (PEPRA).
- This benefit shall consist of paying 3.75% of the normal contributions as EPMC, and reporting the same percent (value) of compensation earnable** {excluding Government Code Section 20636(c) (4)} as additional compensation.
- The effective date of this Resolution shall be August 11, 2019.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Lakewood elects to pay and report the value of EPMC, as set forth above.

ADOPTED AND APPROVED THIS 13TH DAY OF AUGUST 2019.

_____
Mayor

ATTEST:

_____
City Clerk

DIVIDER SHEET

TO: The Honorable Mayor and City Council

SUBJECT: Agreement with City of Cerritos to Cost Share Del Amo Paving Maintenance east of Bloomfield

INTRODUCTION

The City of Cerritos has a project to repave various streets. One of those is Del Amo Boulevard from Bloomfield Avenue to City of Lakewood's eastern city limits at Coyote Creek. The southern half of this street segment is within Lakewood. Cerritos has agreed to include Lakewood's portion in their repaving project. An Agreement to that effect is needed to facilitate reimbursement from Lakewood to Cerritos.

STATEMENT OF FACT

The City of Cerritos has proposed that they will repave Lakewood's portion of Del Amo Boulevard east of Bloomfield Avenue if Lakewood agrees and funds the improvement.

Cerritos is scheduled to open bids for this project on August 13. 2019. The initial estimate for Lakewood's share is $40,000 to $50,000. There are sufficient Measure "R" funds available and budgeted for pavement maintenance.

RECOMMENDATION

That the City Council:

1. Authorize the Mayor to execute an Agreement with the City of Cerritos setting forth the conditions for reimbursement of the proposed paving maintenance work to be done on Del Amo Boulevard between Bloomfield Avenue and the eastern City Limit at Coyote Creek in a form approved by the City Attorney.

2. Authorize Measure "R" funds be used for this project in an amount up to $60,000.

3. Authorize the City Manager to determine, after bid opening, if Lakewood should continue to participate in the project.

Lisa Ann Rapp
Director of Public Works

Thaddeus McCormack
City Manager

DIVIDER SHEET

TO: The Honorable Mayor and City Council

SUBJECT: Approve Amendment No. 7 for Filtration Alternative Study for Mayfair Water Capture Project with Tetra Tech, Incorporated

INTRODUCTION

Tetra Tech, Inc. is the design firm for the Mayfair Water Capture Project, and staff has requested a proposal for additional scope of services to prepare a Filtration Alternative Study, and optional design services. Staff is considering an increase to the post-treatment filtration capacity to allow greater flexibility in the disposition of the captured water to respond to future changing conditions in operations, regulations, and economics. It would be more feasible to consider this expansion of capacity now, during the initial construction of the facility, while the original funding for the project is available.

STATEMENT OF FACT

The City Council approved a Cooperative Implementation Agreement with Caltrans for a grant of $15,000,000 on June 14, 2016 for this project. There are no matching funds or cost share required from the City. When the project was awarded for construction, after allocation of a substantial contingency allowance, there was still about $1M in the project budget that was unallocated.

On October 11, 2016 the City Council approved Tetra Tech to prepare the design for this project. When the construction contract was awarded in February 2018, Tetra Tech was granted another amendment for design support services during construction. Recently an amendment was approved for additional oversight services during construction.

Staff has requested a proposal from Tetra Tech to review the potential to expand the filtration unit that would allow the plant to discharge more water into the storm drain. By way of background, the Mayfair Project does not infiltrate storm water and urban runoff as the Bolivar Project does because the soil conditions in the park included a substantial clay content that significantly impacted the permeability of the soil beneath the plant. The project captures water from the Clark Channel that runs through Mayfair Park, and it was designed to first use the water after it is treated for irrigation, second to discharge the water into the Sanitation District sewer main located in Clark Avenue, and third, to process the water through a Kraken Filter for discharge the water back into the storm drain. The original design parameters of both the sewer connection and the Kraken filter was sized at 1.3 cfs, the expected infiltration capacity for the size of our reservoir. The sewer connection capacity is limited by the Sanitation District to 1.3 cfs during off-peak hours only. The Kraken filter was intended to substitute for the discharge into the sewer main in the event that the sewer connection were to be shut down, or to reduce the amount of water stored in the reservoir in anticipation of forecasted wet weather. Also during the design process, the design team was concerned about the projected cost of construction, however, the favorable bid of the successful

contractor and the consumption rate of the contingency to date now make this expansion of filtration capacity and added flexibility something that could be considered within the allowable budget.

While the project has been under construction, our consultants and the contractor posed the question about adding a second Kraken Filter to increase the amount of discharge back into the channel at a flow rate that matched the design output of the pumping plant, 5 cfs. They initially considered this as an alternative to the sewer connection, however, city staff believes that retaining the sewer connection, and increasing the filter capacity would provide enhanced operational and financial flexibility in the long term. If for example the peak period cost of discharging water into the sewer dropped significantly, then it would make financial sense to discharge more into the sewer. But if the rate to discharge increased significantly, then expanded filtration capacity would make financial and operational sense. In addition, there could be the possibility that the Sanitation District treatment plant could be taken out of service for longer periods than expected, or that the capacity of the downstream sewer mains be consumed such that they would no longer be able to accept our flow. Finally, there have been advancements in the experience with the benefits of these filters in stormwater applications since the design was originally completed making their use event more attractive in terms of pollutant removal and downstream dilution. Caltrans has funded the project at $15M, and there should be sufficient capacity in the budget to allow the expansion of the filter capacity. It would be much more difficult to seek funding for such an expansion in the future.

A detailed scope of work for the analysis is included in the attached proposal. If the decision is made to increase the size of the filtration capacity, a second phase would allow design of piping changes or additions, and design coordination with all of the features and facilities of the project. The cost of the filter analysis is on a time and material basis not to excel $19,543. If the decision is made to proceed with adding filter capacity, then the Optional Task to prepare the plans and specifications and coordinate with the contractor would not exceed $11,505. A spreadsheet detailing the tasks, estimated hours and costs for this work is included in the proposal. Staff believes that expanded filter capacity would be an enhancement to the project, if it is determined to be feasible.

The project is fully funded by Caltrans in an amount of $15,000,000 and sufficient funds are available for this extra work by the consultant.

RECOMMENDATION

That the City Council Approve Amendment #7 to Tetra Tech's contract to provide the Filtration Alternative Study and subsequent design and coordination services for the Mayfair Park Storm Water Capture Project in an amount of $31,048 and authorize the Mayor to sign the Amendment in a form approved by the City Attorney.

Lisa Ann Rapp
Director of Public Works

Thaddeus McCormack
City Manager

DIVIDER SHEET

TO: The Honorable Mayor and City Council

SUBJECT: Appropriation for Facilities Maintenance Annual Projects

INTRODUCTION

For many years, an appropriation was included within the Capital Improvement Program for modest small projects that have allowed staff to address urgent needs within our facilities. These appropriations were for three general areas: Park Hardscape, Fire and Security Improvements, and Fence Improvements.

STATEMENT OF FACT

Annually, the staffs of the Public Works and Recreation and Community Services department, work together to identify the most pressing needs for our facilities in the areas of hardscape repair, fire and security, and fencing. The amounts traditionally appropriated are as follows: hardscape repair ($50,000), fire and security ($25,000), and fencing ($25,000). Since these are capital projects, the unexpended balances in these projects roll forward into the new fiscal year. The funds come from the reserve for Capital Improvements.

For Park Hardscape, in the past staff has used the funds to repair or replace park walkways, patio slabs, picnic area slabs, driveways, and trash enclosure slabs. Typically, staff attempts to address as many of the needs in a park as possible. This modest expenditure helps to improve safety for facility users, and enhances the appearance of the facility at the same time. For this current fiscal year, there are still needed repairs remaining in Rynerson Park, as well as San Martin Park.

Fire and security encompasses fire alarms, burglar alarms, access controls (fobs) and video surveillance. Many facilities have existing systems that are aging and require eventual replacement. Staff is considering the placement of video cameras in Rynerson Park because of recent thefts. Finally, fences are an on-going need at our facilities, due to aging and damage. Fence repairs and replacements are needed at the Mayfair Pool area as well as Palms Park Patio. Recent projects have included fencing the rear of the Weingart Sr. Center to enhance security for the building.

RECOMMENDATION

Staff recommends that Council appropriate funds for the Park Hardscape ($50,000), Fire and Security ($25,000), and Fence ($25,000) Annual Projects from the reserve for Capital Improvements.

Lisa Ann Rapp
Director of Public Works

Thaddeus McCormack
City Manager

DIVIDER SHEET

COUNCIL AGENDA
August 13, 2019

TO: The Honorable Mayor and City Council

SUBJECT: Purchase of a Riding Mower for RCS-ERD

INTRODUCTION

Staff has determined the need to replace a riding lawnmower (Unit #104) originally acquired in October 1998.

STATEMENT OF FACT

The Fleet Manager has identified the Toro Groundsmaster 3280D mower as meeting the necessary specifications and being a suitable replacement. The Toro Company, based in Bloomington, Minnesota, is an American manufacturer and a leading provider of innovative solutions for the outdoor environment including turf, snow, and ground-engaging equipment.

The Fleet Manager obtained a quotation from Turf Star, the exclusive distributor of Toro products in California, through the City's participation in the National Intergovernmental Purchasing Alliance (National IPA) cooperative purchasing contract. The total cost for the recommended mower is $25,095.69, including all necessary accessories, sales tax, and delivery. The City previously purchased this same model in May of this year from Turf Star at the same quoted price above.

The National IPA is a cooperative purchasing organization dedicated to serving state/county/city governments, public and private educational institutions, special districts, and nonprofits. Their master agreements are competitively solicited and publicly awarded by a lead agency using competitive solicitation processes. It recently became part of the larger Omnia Partners purchasing organization. Our Purchasing Policy authorizes the purchase through any governmental entity or cooperative that substantially adheres to our procedures for the purchase of supplies and equipment.

The FY 2019-20 Adopted Budget includes sufficient funds for this purchase. Unit #104 will be retained and continue to be used for de-thatching work as long as it is practical.

STAFF RECOMMENDATION

That the City Council approve the purchase of the Toro Groundsmaster 3280D mower at the proposed contract price of $25,095.69 from Turf Star of Brea, CA.

JG

Jose Gomez
Director of Finance and Administrative Services

Thaddeus McCormack
City Manager

DIVIDER SHEET

Public Hearings

COUNCIL AGENDA
August 13, 2019

TO: The Honorable Mayor and City Council

SUBJECT: Delinquent Fees and Charges for Garbage, Waste and Refuse

INTRODUCTION

The City Council reaffirmed the policy relative to unpaid charges for garbage, waste and refuse accounts at their regular meeting of May 28, 2019. The City Council also adopted Resolution Number 2019-12 directing the Director of Administrative Services to prepare a Report of Delinquent Fees as of May 31, 2019, and setting a public hearing date.

STATEMENT OF FACT

The attached notice of public hearing has been mailed to all delinquent property owners owing $42.00 00 (approximately two months of service) or more as of May 31, 2019. Four hundred sixty four (464) notices were mailed, representing $77,280.16 in delinquent charges. As a result of these notices, payments have been made reducing the revised delinquent charges to $48,240.08 (as of the time this report was printed). The final lien amount will likely be lower. Staff will provide updated figures on Tuesday evening.

A comparison of this year with the preceding three years is shown below:

	2019 Lien 18-19	**2018 Lien 17-18**	**2017 Lien 16-17**	**2016 Lien 15-16**
Notices Mailed:	464	350	368	309
Delinquent Accounts As of Public Hearing:	273	226	228	202
Liens Recorded at County:	273*	210	193	150
	$48,240.08*	$41,697.88	$34,487.62	$29,372.15

*As of the time this report was printed.

The report of delinquent garbage, waste and refuse collection fees will also be provided at the Council Meeting. Those parcels for which payment has been made, or which have been transferred or conveyed to bona fide purchasers will be deleted.

STAFF RECOMMENDATION

It is recommended that the City Council conduct a public hearing and adopt the Resolution confirming the Report of Delinquent Fees.

Jose Gomez
Director of Administrative Services

Thaddeus McCormack
City Manager

RESOLUTION NO. 2019-40

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAKEWOOD CONFIRMING THE REPORT OF DELINQUENT FEES AND CHARGES FOR GARBAGE, WASTE AND REFUSE COLLECTION AND DISPOSAL WITHIN THE CITY OF LAKEWOOD, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, MAY 31, 2019

WHEREAS, the City Council of the City of Lakewood, in accordance with the provisions of Chapter 3 of Article V of the Lakewood Municipal Code, commencing with Section 5300, did on and prior to May 31, 2019, provide to and remove from the parcels of land described on the Report, attached hereto and made a part hereof, the collection of garbage, waste, and refuse, and for which a fee was charged pursuant to the terms and provisions of the Lakewood Municipal Code; and

WHEREAS, said fees and charges for said services so provided by the City of Lakewood, and as hereinafter set forth, have remained unpaid for a period of sixty (60) or more days after the date upon which they were billed; and

WHEREAS, the City of Lakewood on May 28, 2019, by Resolution Number 2019-12 directed the Director of Administrative Services to prepare a Report of Delinquent Fees as of May 31, 2019, of $42.00 or more, and to report upon the same at the time of the public hearing thereon set for August 13, 2019 at 7:30 p.m., in the City Council Chambers at the Civic Center, 5000 Clark Avenue; and

WHEREAS, pursuant to said direction of the City Council of the City of Lakewood the Director of Administrative Services has prepared such a Report, and caused the same to be filed in her office, and the City Clerk has, in accordance with Section 25831 of the Government Code of the State of California, and the direction of the City Council, given notice in writing by mail to the landowners listed on the Report not less than ten days prior to the date of said hearing; and

WHEREAS, the City Council did hear any objection or protest of landowners liable to be assessed for said delinquent fees at a regular meeting of the City Council meeting and a said hearing held for that purpose on August 13, 2019; and

WHEREAS, said Report, as prepared by the Director of Administrative Services with such revisions or corrections to the Report made by the City Council as it deems just at said hearing, should be confirmed as hereinafter set forth, and a certified copy of the confirmed Report filed with the Los Angeles County Auditor-Controller and the amount thereof collected at the same time and in the same manner as ad valorem taxes are collected, and shall be subject to the same penalties and the same procedures and sale;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF LAKEWOOD THAT:

SECTION 1. The Report of the Director of Administrative Services of Delinquent Garbage, Waste, Refuse and Disposal Fees within the City of Lakewood, California, of $42.00 or more existing on May 31, 2019, as amended and revised and attached hereto, is hereby confirmed and approved. The delinquent fees therein set forth are confirmed and shall constitute a special assessment against the respective parcels of land as therein stated, and are a lien of said respective parcels of land in the amount of such delinquent fees. The City Clerk is directed to file a certified copy of said Confirmed Report attached hereto with the County Auditor-Controller for the amount of the respective assessments against the respective parcels of land, as they appear on the current assessment rolls. The City Clerk is further directed to forward a copy of this resolution with said Confirmed Report attached thereto to the County Auditor-Controller so that the same may be collected at the same time and in the same manner as ordinary ad valorem taxes are collected, and shall be subject to the same penalties and the same procedure and sale, in case of delinquency, as provided for such taxes. All laws applicable to the levy, collection and enforcement of ad valorem taxes shall be applicable to such assessments, and further subject to the terms and provisions of Section 25831 of the Government Code of the State of California.

SECTION 2. Said assessment shall constitute a lien against the property if not paid prior to the delivery of such Report to the County Auditor-Controller. Any assessment paid on or before the delivery of such Report to the County Auditor-Controller may be deleted by the City Clerk prior to delivery of such Report.

SECTION 3. If any real property to which such lien would be attached has been transferred or conveyed to a bona fide purchaser for value, or if a lien of a bona fide encumbrance for value has been created and attached thereto, prior to the date on which the first installment of such taxes will become delinquent, then the lien which would otherwise be imposed by this section shall not attach to such real property, and the delinquent fees, as confirmed, relating to such property shall be transferred to the unsecured rolls for collection.

SECTION 4. The City Clerk is hereby authorized to certify to said Report, and cause a copy of this Resolution and said Report to be filed with the County Auditor-Controller on or after the 15th day of August, 2019. In any case, where said lien cannot be collected on the tax rolls, the City Clerk is directed to file a Notice of Lien of said assessment in the Office of the County Auditor-Controller and the lien thereby created attached upon recordation of said Notice.

ADOPTED AND APPROVED THIS 13TH DAY OF AUGUST, 2019.

_____
Mayor

ATTEST:

_____
City Clerk

DIVIDER SHEET

COUNCIL AGENDA
August 13, 2019

TO: The Honorable Mayor and City Council

SUBJECT: Congestion Management Program Conformance Self-Certification Process

STATEMENT OF FACTS

The Congestion Management Program ("CMP") was created by the State Legislature with the passage of Assembly Bill 471 (1989) and became effective with voter approval of Proposition 111 in June 1990. The CMP addresses the impact of local growth on the regional transportation system. The CMP for Los Angeles County cities was developed by the Los Angeles County Metropolitan Transportation Authority ("LACMTA") and implemented in May 1992. The City of Lakewood ("City") has been complying with the requirements of the CMP since its implementation.

In September 2008, LACMTA Board of Directors approved the Congestion Mitigation Fee Feasibility Study to confirm the growth forecast and estimate project costs that could be the basis of a possible congestion mitigation fee program. The study was completed, and in June 2013, the LACMTA Board of Directors approved a motion that directed LACMTA staff to work with their Sacramento delegation to explore legislative options to the state-mandated CMP. In March 2014, LACMTA staff met with various stakeholders to discuss the possible implementation of a CMP Fee and other potential alternatives for meeting the statutory requirements of the CMP. While LACMTA staff evaluates these options, the existing local implementation responsibilities for the CMP will be in effect.

The 2010 CMP requires that local jurisdictions annually submit:

1. A Local Development Report showing all development activity (June 1, 2018 to May 31, 2019); and

2. A resolution approved by the City Council at a noticed public hearing adopting the Local Implementation Report and self-certifying the City's conformance with local CMP requirements.

The City is in compliance with all local CMP requirements. A Land Use Resolution was adopted by the City Council on February 9, 1993. A Transportation Demand Management ordinance was adopted by the City Council on February 23, 1993. The City continues to conduct biennial traffic counts on Lakewood Boulevard in odd numbered years. The traffic counts and Level of Service calculations for the intersection of Lakewood Boulevard and South Street were submitted to LACMTA on August 5, 2019. Development activities are also being tracked and are the basis for the attached Local Development Report.

STAFF RECOMMENDATION

Staff recommends that the City Council hold a public hearing, and adopt the attached resolution finding the City to be in conformance with the CMP and adopting the CMP Local Development Report.

Abel Avalos
Director of Community Development

Thaddeus McCormack
City Manager

Attachments

RESOLUTION NO. 2019-41

A RESOLUTION OF THE CITY OF LAKEWOOD, CALIFORNIA, FINDING THE CITY TO BE IN CONFORMANCE WITH THE CONGESTION MANAGEMENT PROGRAM (CMP) AND ADOPTING THE CMP LOCAL DEVELOPMENT REPORT, IN ACCORDANCE WITH CALIFORNIA GOVERNMENT CODE SECTION 65089

WHEREAS, CMP statute requires the Los Angeles County Metropolitan Transportation Authority ("LACMTA"), acting as the Congestion Management Agency for Los Angeles County, to annually determine that the County and cities within the County are conforming to all CMP requirements; and

WHEREAS, LACMTA requires submittal of the CMP Local Development Report by September 1 of each year; and

WHEREAS, the City Council held a noticed public hearing on August 13, 2019.

NOW, THEREFORE, the City Council of the City of Lakewood does hereby resolve as follows:

SECTION 1. That the City has taken all of the following actions, and that the City is in conformance with all applicable requirements of the 2010 CMP adopted by the LACMTA Board on October 28, 2010.

By June 15, of odd-numbered years, the City conducts annual traffic counts and calculates levels of service for selected arterial intersections, consistent with the requirements identified in the CMP Highway and Roadway System chapter.

The City has locally adopted and continues to implement a transportation demand management ordinance, consistent with the minimum requirements identified in the CMP Transportation Demand Management chapter.

The City has locally adopted and continues to implement a land use analysis program, consistent with the minimum requirements identified in the CMP Land Use Analysis Program chapter.

The City has adopted a Local Development Report, attached hereto and made a part hereof, consistent with the requirements identified in the 2010 CMP. This report balances traffic congestion impacts due to growth within the City with transportation improvements, and demonstrates that the City is meeting its responsibilities under the Countywide Deficiency Plan consistent with the LACMTA Board adopted 2014 Short Range Transportation Plan.

SECTION 2. That the City Clerk shall certify to the adoption of this Resolution and shall forward a copy of this Resolution to the Los Angeles County Metropolitan Transportation Authority.

ADOPTED AND APPROVED THIS 13TH DAY OF AUGUST, 2019.

_____
Mayor

ATTEST:

_____
City Clerk

City of Lakewood

Date Prepared: August 2, 2018

2018 CMP Local Development Report
Reporting Period: JUNE 1, 2017 - MAY 31, 2018

Contact: Michael Jenkins
Phone Number: 562-866-9771 x2346

CONGESTION MANAGEMENT PROGRAM FOR LOS ANGELES COUNTY

2019 DEFICIENCY PLAN SUMMARY

*** IMPORTANT: All "#value!" cells on this page are automatically calculated. Please do not enter data in these cells.**

DEVELOPMENT TOTALS

RESIDENTIAL DEVELOPMENT ACTIVITY	Dwelling Units
Single Family Residential	14.00
Multi-Family Residential	18.00
Group Quarters	0.00

COMMERCIAL DEVELOPMENT ACTIVITY	1,000 Net Sq.Ft.[2]
Commercial (less than 300,000 sq.ft.)	(7,496.00)
Commercial (300,000 sq.ft. or more)	0.00
Freestanding Eating & Drinking	(4,326.00)

NON-RETAIL DEVELOPMENT ACTIVITY	1,000 Net Sq.Ft.[2]
Lodging	0.00
Industrial	0.00
Office (less than 50,000 sq.ft.)	0.00
Office (50,000-299,999 sq.ft.)	0.00
Office (300,000 sq.ft. or more)	0.00
Medical	0.00
Government	0.00
Institutional/Educational	0.00
University (# of students)	0.00

OTHER DEVELOPMENT ACTIVITY	Daily Trips
ENTER IF APPLICABLE	0.00
ENTER IF APPLICABLE	0.00

EXEMPTED DEVELOPMENT TOTALS	
Exempted Dwelling Units	0
Exempted Non-residential sq. ft. (in 1,000s)	0

2. Net square feet is the difference between new development and adjustments entered on pages 2 and 3.

City of Lakewood

Date Prepared: August 5, 2019

2019 CMP Local Development Report

Reporting Period: JUNE 1, 2018 - MAY 31, 2019

Enter data for all cells labeled "**Enter.**" If there are no data for that category, enter "0."

PART 1: NEW DEVELOPMENT ACTIVITY

RESIDENTIAL DEVELOPMENT ACTIVITY

Category	**Dwelling Units**
Single Family Residential	**14.00**
Multi-Family Residential	**24.00**
Group Quarters	**0.00**

COMMERCIAL DEVELOPMENT ACTIVITY

Category	**1,000 Gross Square Feet**
Commercial (less than 300,000 sq.ft.)	**2,723.00**
Commercial (300,000 sq.ft. or more)	**0.00**
Freestanding Eating & Drinking	**3,382.00**

NON-RETAIL DEVELOPMENT ACTIVITY

Category	**1,000 Gross Square Feet**
Lodging	**0.00**
Industrial	**0.00**
Office (less than 50,000 sq.ft.)	**0.00**
Office (50,000-299,999 sq.ft.)	**0.00**
Office (300,000 sq.ft. or more)	**0.00**
Medical	**0.00**
Government	**0.00**
Institutional/Educational	**0.00**
University (# of students)	**0.00**

OTHER DEVELOPMENT ACTIVITY

Description (Attach additional sheets if necessary)	**Daily Trips** 0
ENTER IF APPLICABLE	**0.00**
ENTER IF APPLICABLE	**0.00**

City of Lakewood

Date Prepared: August 5, 2019

2019 CMP Local Development Report

Reporting Period: JUNE 1, 2018 - MAY 31, 2019

Enter data for all cells labeled "**Enter.**" If there are no data for that category, enter "0."

PART 2: NEW DEVELOPMENT ADJUSTMENTS

IMPORTANT: Adjustments may be claimed only for 1) development permits that were both issued and revoked, expired or withdrawn during the reporting period, and 2) demolition of any structure with the reporting period.

RESIDENTIAL DEVELOPMENT ADJUSTMENTS

Category	**Dwelling Units**
Single Family Residential	**0.00**
Multi-Family Residential	**6.00**
Group Quarters	**0.00**

COMMERCIAL DEVELOPMENT ACTIVITY

Category	**1,000 Gross Square Feet**
Commercial (less than 300,000 sq.ft.)	**10,219.00**
Commercial (300,000 sq.ft. or more)	**0.00**
Freestanding Eating & Drinking	**7,708.00**

NON-RETAIL DEVELOPMENT ACTIVITY

Category	**1,000 Gross Square Feet**
Lodging	**0.00**
Industrial	**0.00**
Office (less than 50,000 sq.ft.)	**0.00**
Office (50,000-299,999 sq.ft.)	**0.00**
Office (300,000 sq.ft. or more)	**0.00**
Medical	**0.00**
Government	**0.00**
Institutional/Educational	**0.00**
University (# of students)	**0.00**

OTHER DEVELOPMENT ACTIVITY

Description (Attach additional sheets if necessary)	**Daily Trips** (Enter "0" if none)
Removal of underground tanks	**0.00**
ENTER IF APPLICABLE	**0.00**

City of Lakewood

Date Prepared: August 5, 2019

2019 CMP Local Development Report

Reporting Period: JUNE 1, 2018 - MAY 31, 2019

Enter data for all cells labeled "**Enter.**" If there are no data for that category, enter "0."

PART 3: EXEMPTED DEVELOPMENT ACTIVITY

(NOT INCLUDED IN NEW DEVELOPMENT ACTIVITY TOTALS)

Low/Very Low Income Housing	**0**	Dwelling Units
High Density Residential Near Rail Stations	**0**	Dwelling Units
Mixed Use Developments	**0**	1,000 Gross Square Feet
Near Rail Stations	**0**	Dwelling Units
Development Agreements Entered	**0**	1,000 Gross Square Feet
into Prior to July 10, 1989	**0**	Dwelling Units
Reconstruction of Buildings	**0**	1,000 Gross Square Feet
Damaged due to "calamity"	**0**	Dwelling Units
Reconstruction of Buildings	**0**	1,000 Gross Square Feet
Damaged in Jan. 1994 Earthquake	**0**	Dwelling Units
Total Dwelling Units	**0**	
Total Non-residential sq. ft. (in 1,000s)	**0**	

Exempted Development Definitions:

1. Low/Very Low Income Housing: As defined by the California Department of Housing and Community Development as follows:
   - Low-Income: equal to or less than 80% of the County median income, with adjustments for family size.
   - Very Low-Income: equal to or less than 50% of the County median income, with adjustments for family size.
2. High Density Residential Near Rail Stations: Development located within 1/4 mile of a fixed rail passenger station and that is equal to or greater than 120 percent of the maximum residential density allowed under the local general plan and zoning ordinance. A project providing a minimum of 75 dwelling units per acre is automatically considered high density.
3. Mixed Uses Near Rail Stations: Mixed-use development located within 1/4 mile of a fixed rail passenger station, if more than half of the land area, or floor area, of the mixed use development is used for high density residential housing.
4. Development Agreements: Projects that entered into a development agreement (as specified under Section 65864 of the California Government Code) with a local jurisdiction prior to July 10, 1989.
5. Reconstruction or replacement of any residential or non-residential structure which is damaged or destroyed, to the extent of > or = to 50% of its reasonable value, by fire, flood, earthquake or other similar calamity.
6. Any project of a federal, state or county agency that is exempt from local jurisdiction zoning regulations and where the local jurisdiction is precluded from exercising any approval/disapproval authority. These locally precluded projects do not have to be reported in the LDR.

DIVIDER SHEET

COUNCIL AGENDA
August 13, 2019

TO: The Honorable Mayor and City Council

SUBJECT: Public Health Goals Report (2016 – 2018)

INTRODUCTION

Provisions of California Health and Safety Code §116470(b) requires that a public water system serving more than 10,000 service connections must prepare a report that provides information on the water system's water quality in relationship to the state's public health goals (PHGs) and the federal maximum contaminant level goals (MCLGs). The report is required every three years. The utilities must make the report available to the public and hold a public hearing to gather comment.

STATEMENT OF FACT

The United States Environmental Protection Agency (USEPA) and the California State Water Resources Control Board (SWRCB) Division of Drinking Water (DDW) establish drinking water standards at very conservative levels to protect consumers against all but very low to negligible health risks. Maximum contaminant levels (MCLs) are the regulatory definition of what is "safe". Adopted MCLs are the criteria utilized to ensure that a public water system is in compliance with drinking water standards. Per standard health effects language specified in California Drinking Water Regulations, drinking water which meets the drinking water standards (aka. MCLs) is associated with little to no risk and should be considered safe.

PHGs set by the California Environmental Protection Agency (Cal-EPA)'s Office of Environmental Health Hazard Assessment (OEHHA) are based solely on public health risk considerations. None of the practical risk-management factors, which are considered by the USEPA or the DDW in setting drinking water standards (aka. MCLs) are considered in establishing the MCLGs or PHGs. These factors include analytical detection capability, treatment technology available, benefits and costs.

The current PHG Report encompasses the water quality analysis results from the most recent three years (2016 – 2018). The water quality data from the reporting period indicates that the constituents exceeding a PHG/MCLG was arsenic and that the health protection benefits of further hypothetical reductions are not economical or quantifiable. Therefore, since the city's water system is in full compliance with all federal and state water quality regulations, no further action is proposed.

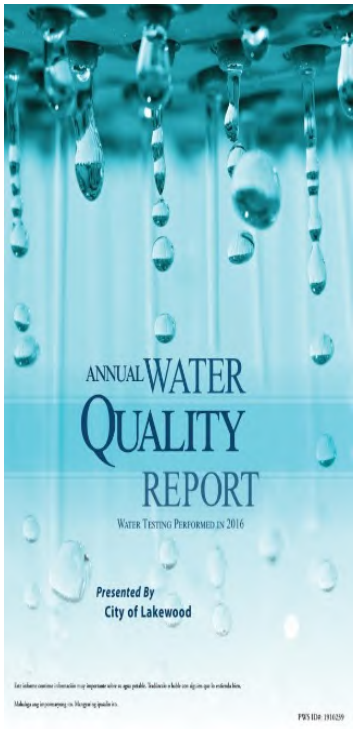
RECOMMENDATION

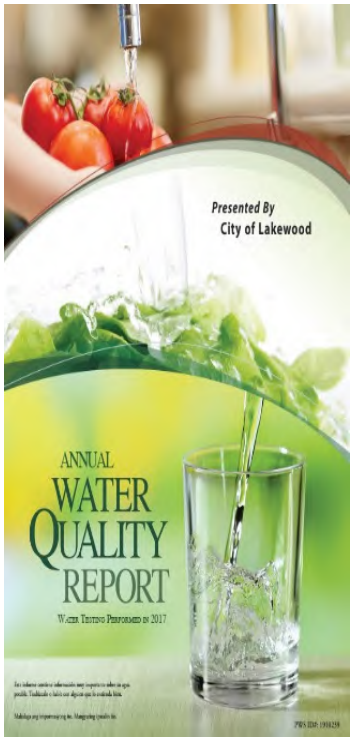
That the City Council conducts a public hearing to accept and respond to public comments on the Public Health Goals Report for 2016 – 2018.

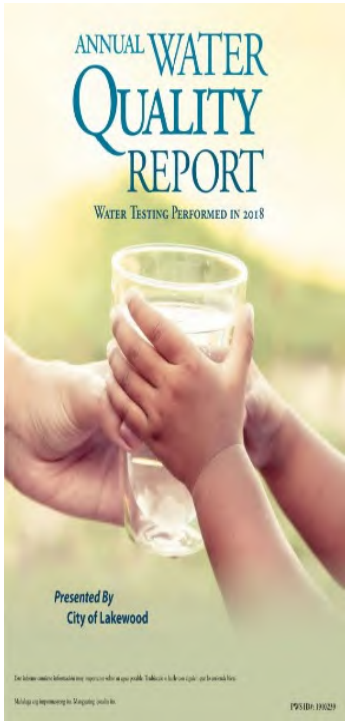
Jason J. Wen, Ph.D., P.E.
Water Resources Director

Thaddeus McCormack
City Manager

Public Health Goals Report







CITY OF LAKEWOOD WATER SYSTEM

JULY 2019

Report on Public Health Goals

Background

Provisions of the California Health and Safety Code §116470 specify that a public water system serving more than 10,000 service connections must prepare a special report by July 1, 2019 that gives information on the "detection" of any constituents that exceeded any Public Health Goals (PHGs). PHGs are non-enforceable goals established by the California Environmental Protection Agency (Cal-EPA)'s Office of Environmental Health Hazard Assessment (OEHHA). The law also requires that where OEHHA has not adopted a PHG for a constituent, water suppliers are to use the Maximum Contaminant Level Goals (MCLGs) adopted by the United States Environmental Protection Agency (USEPA). MCLGs are the federal equivalent to PHGs.

The purpose of this report is to provide water system customers information concerning detectable levels of a constituent below enforceable mandatory drinking water standards, Maximum Contaminant Levels (MCLs), and to provide customers with the cost to eliminate any trace of the contaminant from drinking water regardless of how minimal the health risk. The report is required by State of California.

Drinking Water Standard, MCLs, PHGs and MCLGs

The USEPA and the California State Water Resources Control Board (SWRCB) Division of Drinking Water (DDW) establish drinking water standards at very conservative levels to protect consumers against all but very low to negligible health risks. MCLs are the regulatory definition of what is "safe". Adopted MCLs are the criteria utilized to ensure that a public water system is in compliance with drinking water standards. Per standard health effects language specified in California Drinking Water Regulations, Title 22, Code of Regulations, drinking water which meets DDW standards is associated with little to no risk and should be considered safe.

PHGs set by the OEHHA are based solely on public health risk considerations. None of the practical risk-management factors, which are considered by the USEPA or the DDW in setting drinking water standards (aka. MCLs) are considered in setting the MCLGs or PHGs. These factors include analytical detection capability, treatment technology available, benefits and costs. The Attachment "A" is a list of all regulated constituents with their MCLs and PHGs or MCLGs.

PHGs and MCLGs are set at very low levels where the health risks are very low or, in the case of zero, the health risk is zero. Determinations of health risk at these low levels are frequently theoretically based on risk assessments with many assumptions and mathematical extrapolations. Many constituents are considered to be carcinogenic and the USEPA has set the MCLGs at zero, which cannot be measured by practical available analytical methods. PHGs and MCLGs are not regulatory in nature and represent only non-mandatory theoretical goals.

Water Quality Data Considered

All of the water quality data collected by our water system between 2016 and 2018 for purposes of determining compliance with drinking water standards was considered. This data was detailed in our 2016, 2017, and 2018 Annual Water Quality Reports, which are also referred to as Consumer Confidence Report (CCR). Each report was available and noticed to all water customers.

If a constituent was detected in the water supply at a level above an applicable PHG or MCLG, this report provides the information required by the law. Included is the numerical public health risk associated with the MCL and the PHG or the MCLG, the category or type of risk to health that could be associated with each constituent level, and an estimate of the annualized cost of the treatment system if it is appropriate and feasible.

Best Available Treatment Technology and Cost Estimates

Both the USEPA and DDW adopt what are known as BATs or Best Available Technologies, which are the best known methods of reducing contaminant levels to meet a MCL. However, since many PHGs and MCLGs are set much lower than the MCLs, it is neither always possible nor feasible to determine what treatment is needed to further reduce a constituent downward to or near the PHG or MCLG, which many are set at zero.

Estimating the costs to reduce a constituent to a low PHG level (sometimes to non-detect levels, or zero) is difficult, if not impossible and highly speculative because it is not possible to verify by analytical means. In some cases, installing a treatment facility to further reduce levels of one constituent that already is at a very low level may have adverse effects on other aspects of water quality.

Using the best available technology to reduce a constituent level – including annualized cost to design, install and operate – has been estimated. The cost estimates for each service connection are calculated by assumption that the cost will be equally shared by each of the 20,020 service connections in the water system.

Constituents Detected That Exceed a PHG or MCLG

The following are discussions of constituents that were detected in one or more of the City's drinking water sources at levels above the PHG or MCLG. The table below is a brief summary of those constituents.

Constituent	MCL	DLR	PHG	Detection Level 2016	Detection Level 2017	Detection Level 2018
Arsenic (ppm)	0.010	0.002	0.000004	0.005	0.005	0.006

ppm: parts-per-million or milligram per Liter (mg/L)
DLR: Detection limits for reporting purposes
More information can be found at OEHHA's website at: https://oehha.ca.gov/water/public-health-goals-phgs

Arsenic

Arsenic has been detected from all of our 10 ground water wells. The MCL is 0.010 mg/L (ppm) and the PHG is 0.000004 mg/L (4 parts-per-trillion, ppt). The levels detected in the City's system were below the MCL but above the PHG level.

The PHG is established based on a theoretical 70-year lifetime excess cancer risk of 1×10^{-6} at a statistical confidence limit, which is upper bound estimate of excess cancer risk from lifetime exposure. Actual cancer risk may be lower or zero. Cancer risk is stated in terms of excess cancer per million (or fewer) population, e.g., 1×10^{-6} means 1 excess cancer cases per 1,000,000 people exposed.

Arsenic is a naturally occurring element in the earth's crust and is widely detected in the environment. All humans are exposed to microgram quantities of arsenic largely from food and to a lesser degree from drinking water and air. The PHG of 0.000004 mg/L for arsenic in drinking water is derived based on the mortality of arsenic-induced lung and urinary bladder cancers observed in epidemiological studies of populations in Taiwan, Chile, and Argentina. Similar unit risks were derived from a mouse bioassay using prenatal exposure to arsenic. The risk estimates were based on a low-dose linear extrapolation approach although the mode of carcinogenic action is not fully understood.

In 2010, the City of Lakewood completed the installation of a treatment plant for the removal of arsenic from the water supply at one of the city's production wells. This plant uses coagulation/filtration to treat arsenic to below the MCL. Additional treatment would need to be installed to further reduce the levels. However, it is not possible to remove arsenic levels at or below the PHG of 4 parts per trillion (ppt), because the detection limit for laboratory analysis stands at 2,000 ppt.

The applicable BAT for removing arsenic to the PHG level is the Reverse Osmosis (RO) treatment technology. Using the most recent water supply data and industrial available data for the RO facilities, the Department of Water Resources estimates the annualized capital and O&M costs at approximately $14 million. The costs include engineering design, construction management and inspection services, and annual operation and maintenance activities. The anticipated cost to each water customer in the City's service area is estimated at $699 per year. The cost estimates for treatment do not include any additional land acquisition. In most cases, well sites do not have enough space for treatment facilities.

Recommendations for Further Action

The drinking water quality of the City of Lakewood's water system meets all State and Federal drinking water standards set to protect public health. Additional costly treatment processes would be required to further reduce the levels of the constituents identified in this report, which are already below the MCLs established to provide safe drinking water. The effectiveness of the treatment processes to provide further reductions in constituent levels at these already low values is uncertain. The health protection benefits of these further hypothetical reductions are not at all clear and may not be quantifiable. Therefore, no action is proposed.

Attachment A Table of Regulated Constituents with MCLs, PHGs or MCLGs
Attachment B City of Lakewood Annual Water Quality Reports (2016, 2017 and 2018)

ATTACHMENT A

MCLs, DLRs, and PHGs for Regulated Drinking Water Contaminants

(Units are in milligrams per liter (mg/L), unless otherwise noted.)

Last Update: March 13, 2019

This table includes:

California's maximum contaminant levels (MCLs)

Detection limits for purposes of reporting (DLRs)

Public health goals (PHGs) from the Office of Environmental Health Hazard Assessment (OEHHA)

Also, the PHG for NDMA (which is not yet regulated) is included at the bottom of this table.

For comparison:

Federal MCLs and Maximum Contaminant Level Goals (MCLGs) (US EPA)

Regulated Contaminant	MCL	DLR	PHG	Date of PHG	MCL	MCLG
Chemicals with MCLs in 22 CCR §64431—Inorganic Chemicals						
Aluminum	1	0.05	0.6	2001	--	--
Antimony	0.006	0.006	0.001	2016	0.006	0,006
Arsenic	0.010	0.002	0.000004	2004	0.010	zero
Asbestos (MFL = million fibers per liter; for fibers >10 microns long)	7 MFL	0.2 MFL	7 MFL	2003	7 MFL	7 MFL
Barium	1	0.1	2	2003	2	2
Beryllium	0.004	0.001	0.001	2003	0.004	0.004
Cadmium	0.005	0.001	0.00004	2006	0.005	0.005
Chromium, Total - OEHHA withdrew the 0.0025-mg/L PHG	0.05	0.01	withdrawn Nov. 2001	1999	0.1	0.1
Chromium, Hexavalent - 0.01-mg/L MCL & 0.001-mg/L DLR repealed September 2017	--	--	0.00002	2011	--	--
Cyanide	0.15	0.1	0.15	1997	0.2	0.2
Fluoride	2	0.1	1	1997	4.0	4.0
Mercury (inorganic)	0.002	0.001	0.0012	1999 (rev2005)*	0.002	0.002
Nickel	0.1	0.01	0.012	2001	--	--
Nitrate (as nitrogen, N)	10 as N	0.4	45 as NO3 (=10 as N)	2018	10	10
Nitrite (as N)	1 as N	0.4	1 as N	2018	1	1
Nitrate + Nitrite (as N)	10 as N	--	10 as N	2018	--	--
Perchlorate	0.006	0.004	0.001	2015	--	--
Selenium	0.05	0.005	0.03	2010	0.05	0.05
Thallium	0.002	0.001	0.0001	1999 (rev2004)	0.002	0.0005
Copper and Lead, 22 CCR §64672.3						
Values referred to as MCLs for lead and copper are not actually MCLs; instead, they are called "Action Levels" under the lead and copper rule						
Copper	1.3	0.05	0.3	2008	1.3	1.3
Lead	0.015	0.005	0.0002	2009	0.015	zero
Radionuclides with MCLs in 22 CCR §64441 and §64443—Radioactivity						
[units are picocuries per liter (pCi/L), unless otherwise stated; n/a = not applicable]						
Gross alpha particle activity - OEHHA concluded in 2003 that a PHG was not practical	15	3	none	n/a	15	zero
Gross beta particle activity - OEHHA concluded in 2003 that a PHG was not practical	4 mrem/yr	4	none	n/a	4 mrem/yr	zero
Radium-226	--	1	0.05	2006		
Radium-228	--	1	0.019	2006		
Radium-226 + Radium-228	5	--	--	--	5	zero
Strontium-90	8	2	0.35	2006	--	--
Tritium	20,000	1,000	400	2006	--	--
Uranium	20	1	0.43	2001	30 µg/L	zero

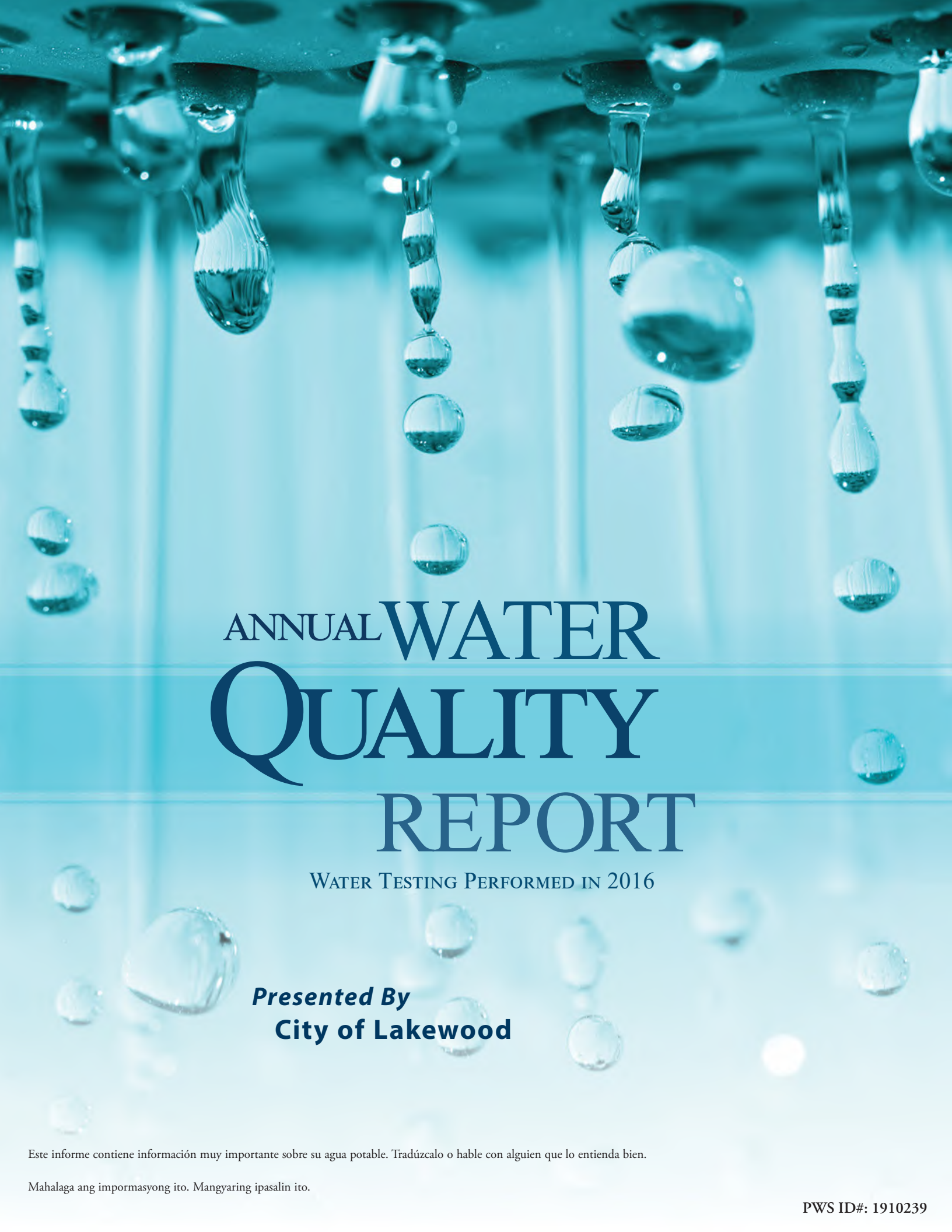
Regulated Contaminant	MCL	DLR	PHG	Date of PHG	MCL	MCLG
Chemicals with MCLs in 22 CCR §64444—Organic Chemicals						
(a) Volatile Organic Chemicals (VOCs)						
Benzene	0.001	0.0005	0.00015	2001	0.005	zero
Carbon tetrachloride	0.0005	0.0005	0.0001	2000	0.005	zero
1,2-Dichlorobenzene	0.6	0.0005	0.6	1997 (rev2009)	0.6	0.6
1,4-Dichlorobenzene (p-DCB)	0.005	0.0005	0.006	1997	0.075	0.075
1,1-Dichloroethane (1,1-DCA)	0.005	0.0005	0.003	2003	--	--
1,2-Dichloroethane (1,2-DCA)	0.0005	0.0005	0.0004	1999 (rev2005)	0.005	zero
1,1-Dichloroethylene (1,1-DCE)	0.006	0.0005	0.01	1999	0.007	0.007
cis-1,2-Dichloroethylene	0.006	0.0005	0.013	2018	0.07	0.07
trans-1,2-Dichloroethylene	0.01	0.0005	0.05	2018	0.1	0.1
Dichloromethane (Methylene chloride)	0.005	0.0005	0.004	2000	0.005	zero
1,2-Dichloropropane	0.005	0.0005	0.0005	1999	0.005	zero
1,3-Dichloropropene	0.0005	0.0005	0.0002	1999 (rev2006)	--	--
Ethylbenzene	0.3	0.0005	0.3	1997	0.7	0.7
Methyl tertiary butyl ether (MTBE)	0.013	0.003	0.013	1999	--	--
Monochlorobenzene	0.07	0.0005	0.07	2014	0.1	0.1
Styrene	0.1	0.0005	0.0005	2010	0.1	0.1
1,1,2,2-Tetrachloroethane	0.001	0.0005	0.0001	2003	0.1	0.1
Tetrachloroethylene (PCE)	0.005	0.0005	0.00006	2001	0.005	zero
Toluene	0.15	0.0005	0.15	1999	1	1
1,2,4-Trichlorobenzene	0.005	0.0005	0.005	1999	0.07	0.07
1,1,1-Trichloroethane (1,1,1-TCA)	0.200	0.0005	1	2006	0.2	0.2
1,1,2-Trichloroethane (1,1,2-TCA)	0.005	0.0005	0.0003	2006	0.005	0.003
Trichloroethylene (TCE)	0.005	0.0005	0.0017	2009	0.005	zero
Trichlorofluoromethane (Freon 11)	0.15	0.005	1.3	2014	--	--
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1.2	0.01	4	1997 (rev2011)	--	--
Vinyl chloride	0.0005	0.0005	0.00005	2000	0.002	zero
Xylenes	1.750	0.0005	1.8	1997	10	10
(b) Non-Volatile Synthetic Organic Chemicals (SOCs)						
Alachlor	0.002	0.001	0.004	1997	0.002	zero
Atrazine	0.001	0.0005	0.00015	1999	0.003	0.003
Bentazon	0.018	0.002	0.2	1999 (rev2009)	--	--
Benzo(a)pyrene	0.0002	0.0001	0.000007	2010	0.0002	zero
Carbofuran	0.018	0.005	0.0007	2016	0.04	0.04
Chlordane	0.0001	0.0001	0.00003	1997 (rev2006)	0.002	zero
Dalapon	0.2	0.01	0.79	1997 (rev2009)	0.2	0.2
1,2-Dibromo-3-chloropropane (DBCP)	0.0002	0.00001	0.0000017	1999	0.0002	zero
2,4-Dichlorophenoxyacetic acid (2,4-D)	0.07	0.01	0.02	2009	0.07	0.07
Di(2-ethylhexyl)adipate	0.4	0.005	0.2	2003	0.4	0.4
Di(2-ethylhexyl)phthalate (DEHP)	0.004	0.003	0.012	1997	0.006	zero
Dinoseb	0.007	0.002	0.014	1997 (rev2010)	0.007	0.007
Diquat	0.02	0.004	0.006	2016	0.02	0.02
Endothal	0.1	0.045	0.094	2014	0.1	0.1
Endrin	0.002	0.0001	0.0003	2016	0.002	0.002
Ethylene dibromide (EDB)	0.00005	0.00002	0.00001	2003	0.00005	zero
Glyphosate	0.7	0.025	0.9	2007	0.7	0.7
Heptachlor	0.00001	0.00001	0.000008	1999	0.0004	zero
Heptachlor epoxide	0.00001	0.00001	0.000006	1999	0.0002	zero
Hexachlorobenzene	0.001	0.0005	0.00003	2003	0.001	zero
Hexachlorocyclopentadiene	0.05	0.001	0.002	2014	0.05	0.05
Lindane	0.0002	0.0002	0.000032	1999 (rev2005)	0.0002	0.0002
Methoxychlor	0.03	0.01	0.00009	2010	0.04	0.04

ATTACHMENT A

Regulated Contaminant	MCL	DLR	PHG	Date of PHG	MCL	MCLG
Molinate	0.02	0.002	0.001	2008	--	--
Oxamyl	0.05	0.02	0.026	2009	0.2	0.2
Pentachlorophenol	0.001	0.0002	0.0003	2009	0.001	zero
Picloram	0.5	0.001	0.166	2016	0.5	0.5
Polychlorinated biphenyls (PCBs)	0.0005	0.0005	0.00009	2007	0.0005	zero
Simazine	0.004	0.001	0.004	2001	0.004	0.004
Thiobencarb	0.07	0.001	0.042	2016	--	--
Toxaphene	0.003	0.001	0.00003	2003	0.003	zero
1,2,3-Trichloropropane	0.000005	0.000005	0.0000007	2009	--	--
2,3,7,8-TCDD (dioxin)	$3x10^{-8}$	$5x10^{-9}$	$5x10^{-11}$	2010	$3x10^{-8}$	zero
2,4,5-TP (Silvex)	0.05	0.001	0.003	2014	0.05	0.05
Chemicals with MCLs in 22 CCR §64533—Disinfection Byproducts						
Total Trihalomethanes	0.080	--	--	--	0.080	--
Bromodichloromethane	--	0.0010	0.00006	2018 draft	--	zero
Bromoform	--	0.0010	0.0005	2018 draft	--	zero
Chloroform	--	0.0010	0.0004	2018 draft	--	0.07
Dibromochloromethane	--	0.0010	0.0001	2018 draft	--	0.06
Haloacetic Acids (five) (HAA5)	0.060	--	--	--	0.060	--
Monochloroacetic Acid	--	0.0020	--	--	--	0.07
Dichloroacetic Adic	--	0.0010	--	--	--	zero
Trichloroacetic Acid	--	0.0010	--	--	--	0.02
Monobromoacetic Acid	--	0.0010	--	--	--	--
Dibromoacetic Acid	--	0.0010	--	--	--	--
Bromate	0.010	0.0050**	0.0001	2009	0.01	zero
Chlorite	1.0	0.020	0.05	2009	1	0.8
Chemicals with PHGs established in response to DDW requests. These are not currently regulated drinking water contaminants.						
N-Nitrosodimethylamine (NDMA)	--	--	0.000003	2006	--	--

*OEHHA's review of this chemical during the year indicated (rev20XX) resulted in no change in the PHG.

**The DLR for Bromate is 0.0010 mg/L for analysis performed using EPA Method 317.0 Revision 2.0, 321.8, or 326.0.



ANNUAL WATER QUALITY REPORT

WATER TESTING PERFORMED IN 2016

Presented By

City of Lakewood

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.

Mahalaga ang impormasyong ito. Mangyaring ipasalin ito.

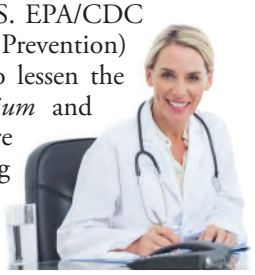
PWS ID#: 1910239

We've Come a Long Way

The City of Lakewood is pleased to present our annual water quality report covering the period between January 1 and December 31, 2016. In a matter of only a few decades, drinking water has become exponentially safer and more reliable than at any other point in human history. Lakewood's staff works hard every day—at any hour—to deliver the highest-quality drinking water. By investing in customer outreach and education, new treatment technologies, system upgrades, and staff training, the City of Lakewood ensures that reliable, high-quality tap water will be delivered to you and your family.

Important Health Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as those with cancer undergoing chemotherapy, those who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. EPA/CDC (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791 or http://water.epa.gov/drink/hotline.



Information on the Internet

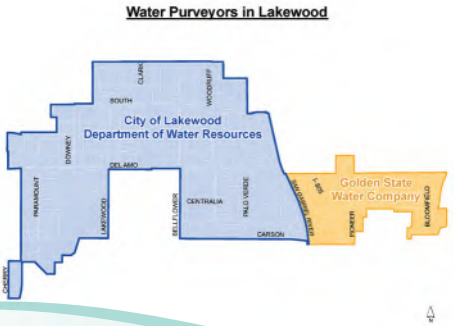
The U.S. EPA Office of Water (www.epa.gov/watrhome) and the Centers for Disease Control and Prevention (www.cdc.gov/healthywater/drinking/) websites provide a substantial amount of information on many issues relating to water resources, water conservation, and public health. Also, the State Water Board, Division of Drinking Water has a website (http://www.waterboards.ca.gov/drinking_water/programs/) that provides current information on drinking water issues in California.

Where Does My Water Come From?

Your tap water comes from local, deep groundwater wells that supply our service area. The City of Lakewood is responsible for providing water services for residents and businesses west of the San Gabriel River. Golden State Water Company (GSWC)—a privately held water utility—serves the area east of the river. For information on Golden State's Water Quality Report, call (800) 999-4033.

Highlights of Lakewood's water system include:

- 100% groundwater, produced from 10 deep groundwater wells.
- Approximately 180 miles of water mains, ranging from 4 to 27 inches in diameter.
- 3 water storage facilities, holding approximately 13 million gallons.
- A 2,500-gallon-per-minute water treatment facility.
- 2 connections to Metropolitan Water District of Southern California, which import supplies through Central Basin Municipal Water District.
- 3 emergency interconnections: with Golden State Water Company, the City of Cerritos, and the City of Long Beach.
- Provision of more than 2 billion gallons of water annually to over 60,400 residential, commercial, and industrial customers via 20,000+ meter connections.
- Recycling of more than 6 percent of the water supply to use for irrigation at 41 sites.



Substances That Could Be in Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (U.S. EPA) and the State Water Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health. Additional information on bottled water is available on the California Department of Public Health Web site (http://www.cdph.ca.gov/programs/Pages/fdbBVW.aspx). Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk.

Contaminants that may be present in source water include:

Microbial Contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife;

Inorganic Contaminants, such as salts and metals, that can be naturally occurring or can result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming;

Pesticides and Herbicides, that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses;

Organic Chemical Contaminants, including synthetic and volatile organic chemicals, that are by-products of industrial processes and petroleum production and can also come from gas stations, urban stormwater runoff, agricultural applications, and septic systems;

Radioactive Contaminants, that can be naturally occurring or can be the result of oil and gas production and mining activities.

More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline at (800) 426-4791.

Community Participation

You are invited to participate in our City Council meetings to voice your concerns about your drinking water. Our council meets the 2nd and 4th Tuesdays of each month beginning at 7:30 p.m. at City Hall, 5050 Clark Avenue, Lakewood. Occasionally because of holidays or other conflicts, the council does not meet on its regular evening. Call city hall staff at 562-866-9771, extension 2140 to find out if the council is meeting on a particular evening.

Lead in Home Plumbing

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high-quality drinking water, but we cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. (If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.) If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at www.epa.gov/lead.

QUESTIONS?

For more information about this report, or for any questions relating to your drinking water, please contact us at (562) 866-9771, extension 2700.

Protecting Your Water

Bacteria are a natural and important part of our world. There are around 40 trillion bacteria living in each of us; without them helping us with digestion and other key bodily functions, we would not be able to live healthy lives. Coliform bacteria are common in the environment and are generally not harmful themselves. The presence of this bacterial form in drinking water is a concern, however, because it indicates that the water may be contaminated with other organisms that can cause disease.

In 2016, the U.S. EPA passed a new regulation called the Revised Total Coliform Rule, which requires additional steps that water systems must take in order to ensure the integrity of the drinking water distribution system by monitoring for the presence of bacteria like total coliform and *E. coli*. The rule requires more stringent standards than the previous regulation, and it requires water systems that may be vulnerable to contamination to have in place procedures that will minimize the incidence of contamination. Water systems that exceed a specified frequency of total coliform occurrences are required to conduct an assessment of their system and correct any problems quickly. The U.S. EPA anticipates greater public health protection under the new regulation due to its more preventive approach to identifying and fixing problems that may affect public health.

The City of Lakewood is fortunate to have the highest quality drinking water, but our goal is to eliminate all potential pathways of contamination into our distribution system, and this new rule helps us to accomplish that goal.

Source Water Assessment

Assessments of the City of Lakewood's drinking water sources was completed in 2003 and 2006. These studies examined the potential vulnerability of each well to contaminants that could enter the water supply. Our groundwater supply is considered most vulnerable to the following activities: gas stations and repair shops, historic gas station locations, storage tanks, dry cleaners and National Pollutant Discharge Elimination System/Waste Discharge Requirement permitted discharges. A copy of the complete assessment is available by contacting the State Water Resources Control Board, Division of Drinking Water Office at 500 North Central Avenue, Glendale, CA 91203 or by calling the City of Lakewood Department of Water Resources at (562) 866-9771 ext 2700.

Conservation and Water-Use Efficiency

Lakewood water customers have done an amazing job answering the call to conserve water. As of the end of 2016, water customers were using 19% less water on average than in 2013. Visit us at www.lakewoodcity.org/water for the city's conservation program and water saving tips. For additional questions, please contact the City of Lakewood at (562) 866-9771, extension 2140.

Many resources and tools are available to assist you with conserving water including various water efficient appliances and devices. To view the latest updates on the drought and to learn how to conserve water, you can consult the following websites:

http://www.water.ca.gov/waterconditions

http://socalwatersmart.com/

http://www.h2ouse.org

http://centralbasin.org/en/conservation

Which household activity wastes the most water?

Most people would say the majority of water use comes from showering or washing dishes; however, toilet flushing is by far the largest single use of water in a home (accounting for 40% of total water use). Toilets use about 4 to 6 gallons per flush, so consider an ultra-lowflow (ULF) toilet, which requires only 1.5 gallons or less.

How much emergency water should I keep?

Typically, 1 gallon per person per day is recommended. For a family of four, that would be 12 gallons for 3 days. Humans can survive without food for 1 month, but can survive only 1 week without water.

How long can I store drinking water?

The disinfectant in drinking water will eventually dissipate, even in a closed container. If that container housed bacteria before it was filled with tap water, the bacteria may continue to grow once the disinfectant has dissipated. Some experts believe that water could be stored up to six months before needing to be replaced. Refrigeration will help slow the bacterial growth.

Test Results

The City of Lakewood's water is monitored for many different kinds of contaminants on a very strict sampling schedule. The information below represents only those substances that were detected. The State of California recommends monitoring for certain substances less often than once per year because the concentrations of these substances do not change frequently. In these cases, the most recent sample data are included.

REGULATED SUBSTANCES WITH PRIMARY STANDARDS

SUBSTANCE (UNIT OF MEASURE)	MCL [MRDL]	PHG (MCLG) [MRDLG]	AVERAGE AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Arsenic (ppb)	10	0.004	5	3 – 7	No	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Chlorine [as C12] (ppm)	4.0	4	0.6	0.03 – 1.5	No	Drinking water disinfectant added for treatment
Fluoride (ppm)	2.0	1	0.3	0.2 – 0.3	No	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Gross Alpha Particle Activity (pCi/L)	15	0	2.4	ND – 6.9	No	Erosion of natural deposits
Haloacetic Acids (ppb)	60	NA	2.5	ND – 9.2	No	By-product of drinking water disinfection
Nitrate [as nitrogen] (ppm)	10	10	0.3	ND – 1.6	No	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
TTHMs [Total Trihalomethanes] (ppb)	80	NA	15	5 – 45	No	By-product of drinking water disinfection
Uranium (pCi/L)	20	0.43	1.1	ND – 2.1	No	Erosion of natural deposits

Tap water samples were collected for lead and copper analyses from 31 sample sites throughout the community.

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AL	PHG (MCLG)	AMOUNT DETECTED (90TH%TILE)	SITES ABOVE AL/TOTAL SITES	VIOLATION	TYPICAL SOURCE
Copper (ppm)	2015	1.3	0.3	0.3	0/31	No	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (ppb)	2015	15	0.2	2.3	0/31	No	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits

REGULATED SUBSTANCES WITH SECONDARY STANDARDS

SUBSTANCE (UNIT OF MEASURE)	SMCL	PHG (MCLG)	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Chloride (ppm)	500	NS	11	7 – 41	No	Runoff/leaching from natural deposits; seawater influence
Specific Conductance (µS/cm)	1,600	NS	353	300 – 620	No	Substances that form ions when in water; seawater influence
Sulfate (ppm)	500	NS	21	11 – 87	No	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (ppm)	1,000	NS	214	180 – 410	No	Runoff/leaching from natural deposits

UNREGULATED AND OTHER SUBSTANCES [1]

SUBSTANCE (UNIT OF MEASURE)	AMOUNT DETECTED	RANGE LOW-HIGH	TYPICAL SOURCE
1,4 Dioxane (ppb)	2.6	0 – 4.7	Used in many products including paint strippers, dyes, greases, varnishes, and waxes; also found as an impurity in antifreeze and aircraft deicing fluids and in some consumer products (deodorants, shampoos, and cosmetics)
Calcium (ppm)	41	30 – 89	Abundant naturally occurring element
Hardness in grains (grains/gal)	7.1	4.9 – 15.8	Naturally occurring calcium
Hardness (ppm)	122	84 – 270	Naturally occurring calcium
Magnesium (ppm)	7	ND – 40	Abundant naturally occurring element
pH, Laboratory (Units)	8.0	7.8 – 9.0	Hydrogen ion concentration
Potassium (ppm)	2.4	2.0 – 3.6	Runoff or leaching from natural deposits
Sodium (ppm)	31	25 – 38	Erosion of natural deposits

[1] Unregulated contaminant monitoring helps the U.S. EPA and the State Water Resources Control Board to determine where certain contaminants occur and whether the contaminants need to be regulated.

Definitions

AL (Regulatory Action Level): The concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a water system must follow.

µS/cm (microsiemens per centimeter): A unit expressing the amount of electrical conductivity of a solution.

grains/gal (grains per gallon): Grains of compound per gallon of water.

MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the Public Health Goal's (or MCLGs) as is economically and technologically feasible. Secondary MCLs (SMCLs) are set to protect the odor, taste, and appearance of drinking water.

MCLG (Maximum Contaminant Level Goal): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the Public Health Goal's (or MCLGs) as is economically and technologically feasible. Secondary MCLs (SMCLs) are set to protect the odor, taste, and appearance of drinking water.

MRDL (Maximum Residual Disinfectant Level): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MRDLG (Maximum Residual Disinfectant Level Goal): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

NA: Not applicable

ND (Not detected): Indicates that the substance was not found by laboratory analysis.

NS: No standard

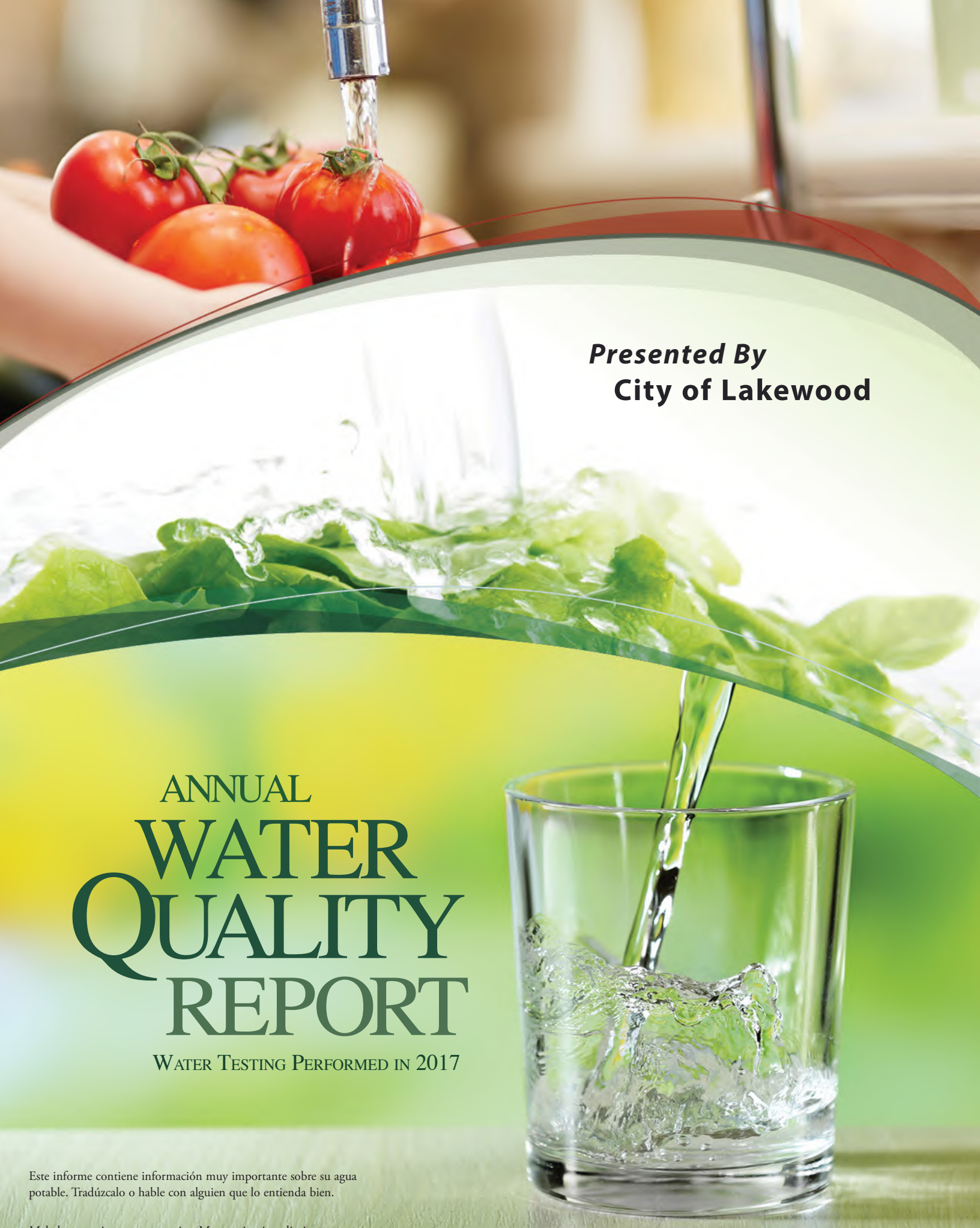
pCi/L (picocuries per liter): A measure of radioactivity.

PDWS (Primary Drinking Water Standard): MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

PHG (Public Health Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California EPA.

ppb (parts per billion): One part substance per billion parts water (or micrograms per liter).

ppm (parts per million): One part substance per million parts water (or milligrams per liter).



Presented By
City of Lakewood

ANNUAL WATER QUALITY REPORT

Water Testing Performed in 2017

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Mahalaga ang impormasyong ito. Mangyaring ipasalin ito.

PWS ID#: 1910239

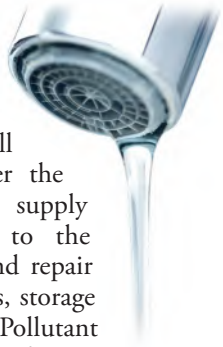
Quality First

Once again, we are pleased to present our annual water quality report. As in years past, we are committed to delivering the best-quality drinking water possible. To that end, we remain vigilant in meeting the challenges of new regulations, source water protection, water conservation, and community outreach and education while continuing to serve the needs of all our water users.

> Water treatment is a complex, time-consuming process.

We encourage you to share your thoughts with us on the information contained in this report. For more information about this report, or for any questions relating to your drinking water, please contact us at (562) 866-9771, extension 2700.

Source Water Assessment



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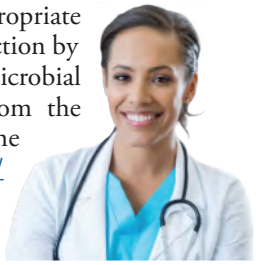
Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. EPA/CDC (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791 or http://water.epa.gov/drink/hotline.



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Count on Us

Delivering high-quality drinking water to our customers involves far more than just pushing water through pipes. Because tap water is highly regulated by state and federal laws, water treatment plant and system operators must be licensed and are required to commit to long-term, on-the-job training before becoming fully qualified. Our licensed water professionals have an understanding of a wide range of subjects, including mathematics, biology, chemistry, and physics. Some of the tasks they complete on a regular basis include:

- Operating and maintaining equipment to purify and clarify water;
- Monitoring and inspecting machinery, meters, gauges, and operating conditions;
- Conducting tests and inspections on water and evaluating the results;
- Documenting and reporting test results and system operations to regulatory agencies; and
- Serving our community through customer support, education, and outreach.

So, the next time you turn on your faucet, think of the skilled professionals who stand behind each drop.

Community Participation

You are invited to participate in our City Council Meetings to voice your concerns about your drinking water. We meet the 2nd and 4th Tuesdays of each month beginning at 7:30 p.m. at City Hall, 5050 Clark Avenue, Lakewood.

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- A 2,500 gallon-per-minute water treatment facility.
- A standby connection to Metropolitan Water District of Southern California imported supplies.
- Four emergency interconnections with the City of Long Beach, Golden State Water Company, the City of Cerritos, and the City of Signal Hill.
- Providing more than 2.5 billion gallons of water annually to more than 60,000 residents, commercial, and industrial customers via 20,000+ meter connections.
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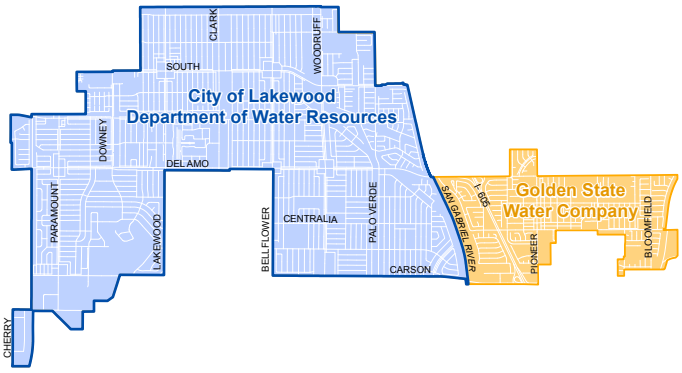
Water Purveyors in Lakewood



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Tip Top Tap

The most common signs that your faucet or sink is affecting the quality of your drinking water are discolored water, sink or faucet stains, a buildup of particles, unusual odors or tastes, and a reduced flow of water. The solutions to these problems may be in your hands.

Kitchen Sink and Drain

Hand washing, soap scum buildup, and the handling of raw meats and vegetables can contaminate your sink. Clogged drains can lead to unclean sinks and backed up water in which bacteria (i.e., pink and black-colored slime growth) can grow and contaminate the sink area and faucet, causing a rotten egg odor. Disinfect and clean the sink and drain area regularly. Also, flush regularly with hot water.

Faucets, Screens, and Aerators

Chemicals and bacteria can splash and accumulate on the faucet screen and aerator, which are located on the tip of faucets, and can collect particles like sediment and minerals resulting in a decreased flow from the faucet. Clean and disinfect the aerators or screens on a regular basis.

Check with your plumber if you find particles in the faucet screen as they could be pieces of plastic from the hot water heater dip tube. Faucet gaskets can break down and cause black, oily slime. If you find this slime, replace the faucet gasket with a higher-quality product. White scaling or hard deposits on faucets and shower heads may be caused by hard water or water with high levels of calcium carbonate. Clean these fixtures with vinegar or use water softening to reduce the calcium carbonate levels for the hot water system.

Water Filtration/Treatment Devices

A smell of rotten eggs can be a sign of bacteria on the filters or in the treatment system. The system can also become clogged over time so regular filter replacement is important. (Remember to replace your refrigerator filter!)

Water Conservation

You can play a role in conserving water and saving yourself money in the process by becoming conscious of the amount of water your household is using and by looking for ways to use less whenever you can. It is not hard to conserve water. Here are a few tips:

- Automatic dishwashers use 15 gallons for every cycle, regardless of how many dishes are loaded. So get a run for your money and load it to capacity.
- Turn off the tap when brushing your teeth.
- Check every faucet in your home for leaks. Just a slow drip can waste 15 to 20 gallons a day. Fix it and you can save almost 6,000 gallons per year.
- Check your toilets for leaks by putting a few drops of food coloring in the tank. Watch for a few minutes to see if the color shows up in the bowl. It is not uncommon to lose up to 100 gallons a day from an invisible toilet leak. Fix it and you save more than 30,000 gallons a year.
- Use your water meter to detect hidden leaks. Simply turn off all taps and water using appliances. Then check the meter after 15 minutes. If it showed water use, you have a leak.

Failure in Flint

The national news coverage of water conditions in Flint, Michigan, has created a great deal of confusion and consternation. The water there has been described as being corrosive; images of corroded batteries and warning labels on bottles of acids come to mind. But is corrosive water bad?

Corrosive water can be defined as a condition of water quality that will dissolve metals (iron, lead, copper, etc.) from metallic plumbing at an excessive rate. There are a few contributing factors but, generally speaking, corrosive water has a pH of less than 7; the lower the pH, the more acidic, or corrosive, the water becomes. While all plumbing will be somewhat affected over time by the water it carries, corrosive water will damage plumbing much more rapidly than water with low corrosivity.

By itself, corrosive water is not a health concern; your morning glass of orange juice is considerably more corrosive than the typical lake or river. What is of concern is that exposure in drinking water to elevated levels of the dissolved metals increases adverse health risks.

Public water systems are required to maintain their water at optimal conditions to prevent it from reaching corrosive levels. Rest assured that we routinely monitor our water to make sure that what happened in Flint never happens here.

Test Results

Our water is monitored for many different kinds of substances on a very strict sampling schedule. The information in the data tables shows only those substances that were detected in 2017. Remember that detecting a substance does not necessarily mean the water is unsafe to drink; our goal is to keep all detects below their respective maximum allowed levels. The State recommends monitoring for certain substances less than once per year because the concentrations of these substances do not change frequently. In these cases, the most recent sample data are included.

REGULATED SUBSTANCES

SUBSTANCE (UNIT OF MEASURE)	MCL [MRDL]	PHG (MCLG) [MRDLG]	AVERAGE	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Arsenic (ppb)	10	0.004	5	3–8	No	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Chlorine (ppm)	[4.0 (as Cl2)]	[4.0 (as Cl2)]	0.6	0.4–0.8	No	Drinking water disinfectant added for treatment
Fluoride (ppm)	2.0	1	0.3	0.2–0.4	No	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Haloacetic Acids [HAAs] (ppb)	60	NA	5.2	ND–8.3	No	By-product of drinking water disinfection
Nitrate [as nitrogen] (ppm)	10	10	0.4	ND–1.9	No	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Total Trihalomethanes [TTHMs] (ppb)	80	NA	27	20–46	No	By-product of drinking water disinfection

Tap water samples were collected for lead and copper analyses from sample sites throughout the community

SUBSTANCE (UNIT OF MEASURE)	AL	PHG (MCLG)	AMOUNT DETECTED (90TH%TILE)	SITES ABOVE AL/TOTAL SITES	VIOLATION	TYPICAL SOURCE
Copper (ppm)	1.3	0.3	0.3	0/31	No	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (ppb)	15	0.2	2.3	0/31	No	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits

SECONDARY SUBSTANCES

SUBSTANCE (UNIT OF MEASURE)	SMCL	PHG (MCLG)	AVERAGE	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Chloride (ppm)	500	NS	21	7–46	No	Runoff/leaching from natural deposits; seawater influence
Specific Conductance (µS/cm)	1,600	NS	445	300–670	No	Substances that form ions when in water; seawater influence
Sulfate (ppm)	500	NS	41	12–90	No	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (ppm)	1,000	NS	269	180–440	No	Runoff/leaching from natural deposits

UNREGULATED AND OTHER SUBSTANCES

SUBSTANCE (UNIT OF MEASURE)	AVERAGE	RANGE LOW-HIGH	TYPICAL SOURCE
Calcium (ppm)	51	18–82	Abundant naturally occurring element
Hardness in Grains (grains/gal)	9.3	2.9–15	Naturally occurring calcium
Hardness (ppm)	159	50–256	Naturally occurring calcium
Magnesium (ppm)	8	1–14	Abundant naturally occurring element
pH, Laboratory (Units)	8.1	7.9–8.4	Hydrogen ion concentration
Potassium (ppm)	2.7	1.3–3.7	Runoff or leaching from natural deposits
Sodium (ppm)	31	24–49	Erosion of natural deposits

Definitions

AL (Regulatory Action Level): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

µS/cm (microsiemens per centimeter): A unit expressing the amount of electrical conductivity of a solution.

grains/gal (grains per gallon): Grains of compound per gallon of water.

LRAA (Locational Running Annual Average): The average of sample analytical results for samples taken at a particular monitoring location during the previous four calendar quarters. Amount Detected values for TTHMs and HAAs are reported as the highest LRAAs.

MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs (SMCLs) are set to protect the odor, taste and appearance of drinking water.

MCLG (Maximum Contaminant Level Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. EPA.

MRDL (Maximum Residual Disinfectant Level): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MRDLG (Maximum Residual Disinfectant Level Goal): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

NA: Not applicable

ND (Not detected): Indicates that the substance was not found by laboratory analysis.

NS: No standard

PDWS (Primary Drinking Water Standard): MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

PHG (Public Health Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California EPA.

ppb (parts per billion): One part substance per billion parts water (or micrograms per liter).

ppm (parts per million): One part substance per million parts water (or milligrams per liter).

ANNUAL WATER QUALITY REPORT

Water Testing Performed in 2018

Presented By

City of Lakewood

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.

Mahalaga ang impormasyong ito. Mangyaring ipasalin ito.

PWS ID#: 1910239

Our Mission Continues

At the City of Lakewood, we are once again pleased to present our annual water quality report covering all testing performed in 2018. Over the years, we have dedicated ourselves to producing drinking water that meets all state and federal standards. We continually strive to adopt new methods for delivering the best-quality drinking water and services to you. As new challenges to drinking water emerge, we remain vigilant in meeting the goals of source water protection, water conservation, and community education while continuing to serve the needs of all our water users.

Information on the Internet

The U.S. EPA (https://www.epa.gov) and the Centers for Disease Control and Prevention (www.cdc.gov) websites provide a substantial amount of information on many issues relating to water resources, water conservation, and public health. Also, the Division of Drinking Water has a website (https://www.waterboards.ca.gov) that provides complete and current information on water issues in California, including valuable information about our watershed.

Important Health Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. EPA/CDC (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Information Helpline at (800) 426-4791 or http://water.epa.gov/drink/hotline.

New Smart Meters

In 2018 the City of Lakewood completed the upgrade of all our customer water meters to smart meters. The smart meters were purchased with funds from the water system's ongoing capital improvement budget, which makes upgrades to the Lakewood water system every year. Upgrades include new wells, pumps, and water mains. The city strives to operate and maintain its water system in an efficient and cost-effective way.

The smart meters provide benefits to all customers and help everyone to use water more wisely. Features include:

Leak Detection. You are now able to receive a text or email alert if we detect usage that may indicate you have a leak.

Control Your Water Usage. Using the customer portal, you can set a custom water consumption threshold and receive an alert via text or email when the system projects your current usage will exceed your configured threshold setting.

Efficiency Benchmarking. Find out how your water usage compares to similar accounts using highly customizable benchmarks for both residential and commercial accounts.

For questions, call customer service at (855) 785-4021 or visit www.lakewoodcity.org/UtilityBill to view your account online.

Table Talk

Get the most out of the Testing Results data table with this simple suggestion. In less than a minute, you will know all there is to know about your water:

> For each substance listed, compare the value in the Average Amount Detected column against the value in the MCL (or AL, SMCL) column. If the Average Amount Detected value is smaller, your water meets the health and safety standards set for the substance.

Other Table Information Worth Noting

Verify that there were no violations of the state and/or federal standards in the Violation column. If there was a violation, you will see a detailed description of the event in this report.

If there is an ND or a less-than symbol (<), that means that the substance was not detected (i.e., below the detectable limits).

If there is sufficient evidence to indicate from where the substance originates, it will be listed under Typical Source.

Substances That Could Be in Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (U.S. EPA) and the State Water Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk.

> We remain vigilant in delivering the best-quality drinking water

Contaminants that may be present in source water include:

Microbial Contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife;

Inorganic Contaminants, such as salts and metals, that can be naturally occurring or can result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming;

Pesticides and Herbicides, that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses;

Organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and which can also come from gas stations, urban stormwater runoff, agricultural applications, and septic systems;

Radioactive Contaminants, that can be naturally occurring or can be the result of oil and gas production and mining activities.

More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Information Helpline at (800) 426-4791.

Source Water Assessment

Assessments of the city's drinking water sources were completed in 2003 and 2006. These studies examined the potential vulnerability of each well to contaminants that could enter the water supply. Our groundwater supply is considered most vulnerable to the following activities: gas stations and repair shops, historic gas station locations, storage tanks, dry cleaners, and National Pollutant Discharge Elimination System/Waste Discharge Requirement permitted discharges. A copy of the complete assessment is available at the Lakewood City Clerk's Office at 5050 Clark Avenue. You may request a summary of the assessment by contacting the Lakewood Department of Water Resources at (562) 866-9771, extension 2700, during regular office hours.

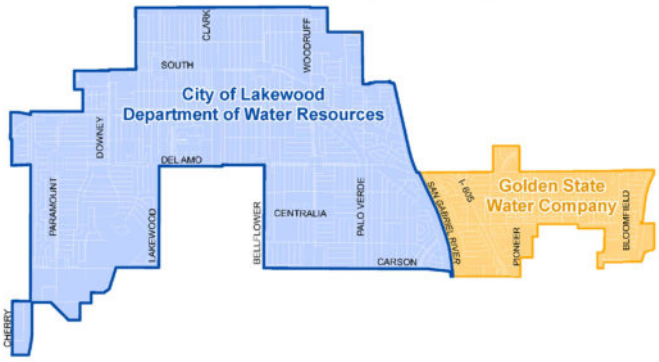
Community Participation

You are invited to participate in our City Council meetings to voice your concerns about your drinking water. We meet the second and fourth Tuesday of each month at 7:30 p.m. in the City Council Chambers at 5000 Clark Avenue, Lakewood.

QUESTIONS?

For more information about this report, or for any questions relating to your drinking water, please contact the Water Administration Manager at (562) 866-9771, extension 2700.

Water Purveyors in Lakewood



Where Does My Water Come From?

Your tap water comes from local, deep groundwater wells that supply our service area. The City of Lakewood is responsible for providing water services for residents and businesses west of the San Gabriel River. Golden State Water Company (GSWC), an investor-owned water utility, serves the area east of the river. For information on GSWC's water quality report, call (800) 999-4033.

Highlights of Lakewood's water system include:

- 100 percent groundwater produced from 10 deep groundwater wells
- Approximately 180 miles of water mains ranging from 4 to 27 inches in diameter
- Three water storage facilities holding approximately 13 million gallons
- A 2,500-gallon-per-minute water treatment facility
- A standby connection to Metropolitan Water District of Southern California imported supplies
- Four emergency interconnections with the City of Long Beach, GSWC, the City of Cerritos, and the City of Signal Hill
- More than 2.4 billion gallons of water provided annually to over 60,000 residents and commercial and institutional customers via more than 20,000 meter connections
- More than 6 percent of water supply is recycled water and used for irrigation at 41 sites.

Lead in Home Plumbing

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The City of Lakewood is responsible for providing high-quality drinking water, but we cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. (If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.) If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Information Helpline at (800) 426-4791 or at www.epa.gov/safewater/lead.

Test Results

Our water is monitored for many different kinds of substances on a very strict sampling schedule, and the water we deliver must meet specific health standards. Here, we only show those substances that were detected in our water. Remember that detecting a substance does not mean the water is unsafe to drink; our goal is to keep all detects below their respective maximum allowed levels. The state recommends monitoring for certain substances less than once per year because the concentrations of these substances do not change frequently. In these cases, the most recent sample data are included.

REGULATED SUBSTANCE WITH PRIMARY STANDARDS

SUBSTANCE (UNIT OF MEASURE)	MCL [MRDL]	PHG (MCLG) [MRDLG]	AVERAGE AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Arsenic[1] (ppb)	10	0.004	6	3 – 8	No	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Chlorine (ppm)	[4.0 (as Cl2)]	[4 (as Cl2)]	0.6	0.5 – 0.8	No	Drinking water disinfectant added for treatment
Fluoride (ppm)	2.0	1	0.3	0.2 – 0.4	No	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Haloacetic Acids (ppb)	60	NA	7.0	4.1 – 11	No	By-product of drinking water disinfection
Nitrate [as nitrogen] (ppm)	10	10	0.4	ND – 1.9	No	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
TTHMs [Total Trihalomethanes] (ppb)	80	NA	27	15 – 46	No	By-product of drinking water disinfection

Tap water samples were collected for lead and copper analyses from sample sites throughout the community

SUBSTANCE (UNIT OF MEASURE)	AL	PHG (MCLG)	AMOUNT DETECTED (90TH %ILE)	SITES ABOVE AL/TOTAL SITES	VIOLATION	TYPICAL SOURCE
Copper[2] (ppm)	1.3	0.3	0.2	0/30	No	Internal corrosion of household water plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead[2] (ppb)	15	0.2	ND	0/30	No	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits

REGULATED SUBSTANCES WITH SECONDARY STANDARDS

SUBSTANCE (UNIT OF MEASURE)	SMCL	PHG (MCLG)	AVERAGE AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Chloride (ppm)	500	NS	20	7 – 46	No	Runoff/leaching from natural deposits; seawater influence
Specific Conductance (µS/cm)	1,600	NS	445	300 – 670	No	Substances that form ions when in water; seawater influence
Sulfate (ppm)	500	NS	38	12 – 90	No	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (ppm)	1,000	NS	270	180 – 440	No	Runoff/leaching from natural deposits

UNREGULATED AND OTHER SUBSTANCES

SUBSTANCE (UNIT OF MEASURE)	AVERAGE AMOUNT DETECTED	RANGE LOW-HIGH	TYPICAL SOURCE
Calcium (ppm)	51	18 – 82	Abundant naturally occurring element
Hardness in Grains (grains/gal)	9.3	2.9 – 15	Naturally occurring calcium
Hardness (ppm)	158	50 – 256	Naturally occurring calcium
Magnesium (ppm)	7	1 – 14	Abundant naturally occurring element
pH, Laboratory (Units)	8.1	7.9 – 8.4	Hydrogen ion concentration
Potassium (ppm)	2.7	1.3 – 3.7	Runoff or leaching from natural deposits
Sodium (ppm)	31	24 – 49	Naturally occurring

[1] While your drinking water meets the federal and state standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The US Environmental Protection Agency continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

[2] On December 5, 2018, the State Water Resources Control Board issued a Notice of Violation for late reporting of testing results. During July 2018, we collected 30 lead and copper samples and the samples were tested in a timely manner by the contracting lab. However, the lab encountered some difficulty reporting the testing results to the new state electronic database, which caused the test data to be reported after the October 10, 2018 deadline. All testing results are in compliance with the lead and copper standards.

Definitions

90th %ile: The levels reported for lead and copper represent the 90th percentile of the total number of sites tested. The 90th percentile is equal to or greater than 90% of our lead and copper detections.

AL (Regulatory Action Level): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

µS/cm (microsiemens per centimeter): A unit expressing the amount of electrical conductivity of a solution.

grains/gal (grains per gallon): Grains of compound per gallon of water.

LRAA (Locational Running Annual Average): The average of sample analytical results for samples taken at a particular monitoring location during the previous four calendar quarters. Amount Detected values for TTHMs and HAAs are reported as the highest LRAAs.

MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs (SMCLs) are set to protect the odor, taste and appearance of drinking water.

MCLG (Maximum Contaminant Level Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. EPA.

MRDL (Maximum Residual Disinfectant Level): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MRDLG (Maximum Residual Disinfectant Level Goal): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

NA: Not applicable

ND (Not detected): Indicates that the substance was not found by laboratory analysis.

NS: No standard

PDWS (Primary Drinking Water Standard): MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

PHG (Public Health Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California EPA.

ppb (parts per billion): One part substance per billion parts water (or micrograms per liter).

ppm (parts per million): One part substance per million parts water (or milligrams per liter).

SMCL (Secondary Maximum Contaminant Level): These standards are developed to protect aesthetic qualities of drinking water and are not health based.

DIVIDER SHEET

Reports

COUNCIL AGENDA
August 13, 2019

TO: Honorable Mayor and City Council

SUBJECT: Justice Assistance Grant Program Funding for License Plate Reader

INTRODUCTION

Each year the City is eligible to receive an allocation of funds from the Edward Byrne Memorial Justice Assistance Grant (JAG) program. The purpose of the program is to fund crime prevention and criminal justice programs and projects.

STATEMENT OF FACTS

The City has been notified that we may claim an entitlement grant of $17,872 from the Justice Assistance Program and that the purchase of a vehicle mounted License Plate Reader (LPR) system is an eligible expense. The LPR system would expand the use of technology to combat crime and apprehend wanted suspects and vehicles. The LPR system will be affixed to a deputy patrol unit to be deployed exclusively in Lakewood. Working similarly to the network of existing LPR cameras, the in-vehicle system would alert the deputy to a "hit" to take appropriate action to stop and further investigate a vehicle. Approximately $17,336 of the grant award will be allocated for the LPR system.

Additionally, there is a new requirement of all JAG awards, that 3% of the award amount be set aside for the purpose of compliance with a new National Incident Based Reporting System (NIBRS). NIBRS is a new crime reporting system that all law enforcement agencies must be in compliance of by January 2021. The 3% set aside, approximately $536, will be remitted to the Los Angeles County Sheriff's Department to be used specifically for their NIBRS compliance project.

The JAG program requires the City Council to review the proposed project during and allow an opportunity for the public to provide comment.

RECOMMENDATION

Staff recommends the City Council approve the submittal of the JAG Program funding for the vehicle mounted License Plate Reader system; authorize the City Manager to apply for the grant and sign the appropriate paperwork; and direct the Director of Administrative Services to appropriate $17,872 of JAG funds in the FY2019-2020 budget when the grant is awarded.

Joshua Yordt
Director of Public Safety

Thaddeus McCormack
City Manager

DIVIDER SHEET

COUNCIL AGENDA
August 13, 2019

TO: Honorable Mayor and City Council

SUBJECT: Award Professional Services Agreement (PSA) for Consulting Services for Water Well #28 Drilling Project

INTRODUCTION

In 2017, the Department of Water Resources' (DWR) Water System Master Plan identified the need to drill a new well to maintain water system production capacity. Therefore, a Request for Proposals (RFP) was prepared for contractors to provide a well design report, Drinking Water Source Assessment and Protection (DWSAP) report, plans and specifications for the drilling phase of a water production well; in addition to providing construction management and inspection services.

STATEMENT OF FACT

The Water System Master Plan provided details of the city's historical and future projected demands, water supply sources and water quality requirements, water production and distribution facilities, and its finished water pumping, storage and distribution facilities. It identified and prioritized projects that would ensure the quality and cost efficiency of running the water system. The Plan identified that based on current life expectancy projections; two wells (Wells #4 and #8) had an estimated remaining service life of less than five years and highly recommended replacement of its production capacity in the event the wells necessitated removal from service. Therefore, a Request for Proposals (RFP) to provide consulting services to assist staff in developing plans and specifications to bid the construction of drilling a new well was developed and emailed on June 18, 2019 to seven consultants and was advertised on the city's website with five proposals received by the submittal deadline.

After evaluating the proposals, staff has consensus that Geoscience Support Services, Inc. of La Verne, CA had a clear understanding of the scope of work associated with the city's consulting needs. Therefore, staff recommends entering into a Professional Services Agreement commencing August 13, 2019 until a notice of completion is filed for the construction of drilling a new well for a not-to-exceed cost of $189,000 for the duration of the project.

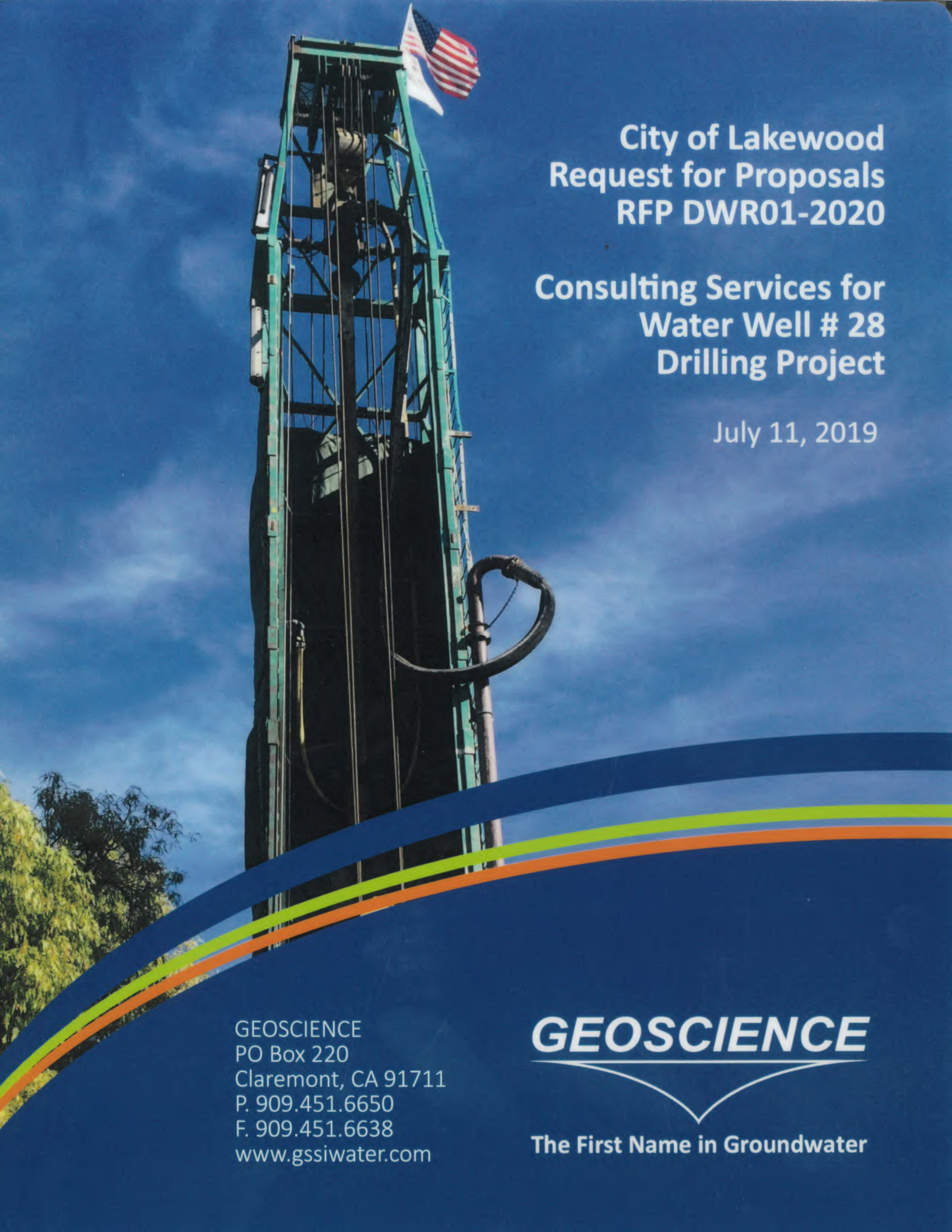
RECOMMENDATION

That the City Council award a Professional Services Agreement (PSA) for Consulting Services for Water Well #28 Drilling Project to Geoscience Support Services, Inc. of La Verne, CA until such time that a notice of completion is filed for the construction of drilling a new well for a not-to-exceed cost of $189,000 by June 30, 2022 and authorize the Mayor to execute the contract.

Jason J. Wen, Ph.D., P.E.
Water Resources Director

Lisa A. Rapp
Director of Public Works

Thaddeus McCormack
City Manager



City of Lakewood
Request for Proposals
RFP DWR01-2020

Consulting Services for Water Well # 28 Drilling Project

July 11, 2019

GEOSCIENCE
PO Box 220
Claremont, CA 91711
P. 909.451.6650
F. 909.451.6638
www.gssiwater.com

GEOSCIENCE

The First Name in Groundwater

GEOSCIENCE

The First Name in Groundwater

July 11, 2019

City of Lakewood
City Clerk's Office
5050 Clark Avenue
Lakewood, CA 90712
Attention: Department of Water Resources

RE: City of Lakewood Request for Proposals RFP DWR01-2020 - Consulting Services for Water Well # 28 Drilling Project

New Well No. 28 will help the City of Lakewood (City) to improve local supply reliability and meet water demand for it's residents. We feel that our team is the ideal partner to help you complete this important project for the following reasons:

Local Experience: The new well is located at the City's Field Operations Facility, approximately 800 feet from the City's existing well No. 27 which was designed by Geoscience. Because of our past experience on Well No. 27, we are extremely familiar with the local geology, site conditions, and potential issues that need to be resolved to successfully complete this project. *The City will benefit from our recent experience on Well No. 27 by reducing project risk and potential costs.*

Experience Project Manager: Our assigned project manager, Terry Watkins, PG, CHG, provided construction observation for the City's Well No. 27 and has completed more than 350 well design and rehabilitation projects throughout his career. *His experience will help you complete this project efficiently, and help resolve issues to deliver this project on schedule and within budget.*

Available Resources: We have assigned a highly qualified team of geologists and experienced field staff to help you ensure that this project is completed correctly and meets your needs. Each of our team members has direct experience completing similar well projects in the central basin and are familiar with the issues common to the wells in this area; specifically, fine-grained formation materials (can cause excess sand production) and potential water quality issues (VOC's and other contaminates in the shallow aquifers and arsenic in deeper aquifers). *Their experience will help you identify and resolve potential issues before they impact the project, preventing potential schedule delays.*

The following pages contain our project understanding, methodology, team description, qualifications, and examples of similar past projects with references. Per the City' request, we provided five copies of a cost proposal in a separate sealed envelope. The cost proposal shall remain valid for 180 days from the date of this proposal.

If you have any questions or need any additional information, please feel free to contact me at (909) 451-6650, or via email at twatkins@geoscience-water.com. We look forward to continuing to partner with the City.

Regards,

Terry Watkins, PG, CHG
Project Manager
Senior Geohydrologist

PO Box 220, Claremont, CA 91711
Phone (909) 451-6650 | Fax (909) 451-6638
www.gssiwater.com

Contents

Background and Project Summary

Project Understanding

The City of Lakewood (City) intends to bolster its potable drinking water supply by drilling and constructing a new well, Well No. 28, in the north east portion of their Field Operations Facility. The City operates several other wells in the area, including the most recently constructed Well No. 27, designed by Geoscience in 2006. We see two main challenges to overcome in designing a groundwater supply well at this location. The first is water quality, as shallow aquifers can be susceptible to surface contaminants and deeper aquifers can contain arsenic. The second is stabilizing fine grained water bearing formations.

The water quality in the primary aquifers will likely be good quality. However, isolated aquifer zone testing within the pilot borehole for the new well is needed to identify depth-specific groundwater quality issues prior to finalizing the well design. We will prepare a well design that provides the optimal water quality and well production yield based on geophysical borehole logs from the pilot borehole and isolated aquifer zone testing results.

Based on our experience drilling and constructing Well No. 27, selecting the proper filter pack gradation and corresponding well screen slot size in necessary to construct a groundwater well that does not produce excessive amounts of sand. To prevent excess sand, we will carefully sample formation material as they are removed from the pilot borehole during drilling. We will then sieve the samples at our in-house laboratory and plot for grain size distribution. Using Terzaghi criteria for uniformity, migration, permeability and pack aquifer ratio, we will develop a filter pack that compliments the water bearing formation materials, allowing the highest volume of water to enter the well while minimizing entrained solids.

Optional Glass Bead Filter Media

As requested by the City, we can assess the feasibility of using glass beads for the artificial filter pack in lieu of an engineered gravel pack. Locally, the Water Replenishment District and Orange County Water District have used glass beads as filter media in Aquifer Storage and Recovery (ASR) wells, however they have not yet been rigorously evaluated in a municipal water supply well in this area and published injection well performance data is limited.

Based on our recent local experience, we understand the challenge of stabilizing the fine grain formations in your aquifer. Glass bead filter packs pose an even greater challenge in stabilizing fine grained aquifers due to their uniformity. If the filter pack is designed improperly, the well will produce excessive sand, requiring separation and possible leading to localized ground surface subsidence near the well. In assessing glass beads, we would recommend identifying modifications needed to apply the current Terzaghi design criteria as current standards apply to natural gravel pack materials. Special attention must be paid during design and development to minimize potential sand production. We would evaluate the needed design criteria in our hydraulic laboratory to ensure that the glass-bead filter pack design will properly stabilize your aquifer formations.

We also recommend conducting an initial round of sampling after well completion to evaluate fines that could occur emanate from glass beads. Because of the substantial loads emanating from depth in a well, glass beads may possibly abrade and fracture over time as the pack shifts and settles over the course of well operations. Unlike natural gravels, which are composed of crystalline minerals, glass fractures in a fundamentally different manner than crystalline materials, and the fines produced from glass bead filter packs in a municipal supply may be more excessive than quarried materials, thus creating a need for additional settling (i.e., through a reservoir).

Methodology

Task 1.0: Project Management and Meetings

Task 1.1: Project Management and Administration

Effectively controlling a project's scope, schedule, and budget is vital to deliver a project that effectively meets your needs. Our team understands and can effectively manage how these three elements relate to each other. Scope creep can increase cost and produce delay. Project delays can increase costs and cause critical milestones to be missed. Our focus throughout the project will be to effectively monitor tasks, manage level of effort, develop and verify critical-path schedules, and compare actual costs to planned costs at key milestones. By using these organizational techniques combined with effective communication and coordination, we can help ensure that you receive a quality project on-time and on-schedule.

Our team's project management efforts throughout the project will verify that all aspects are carried out efficiently. Project management activities will include (but not be limited to) coordination and correspondence with City of Lakewood (City) personnel, project schedule and status updates, monitoring project budget, and quality control and assurance. We will also assist with any unforeseen issues that may arise throughout the project.

Task 1.2: Project Kick-Off Meeting

The project kick-off meeting will provide an opportunity to meet face-to-face with key project personnel from the City to confirm that everyone understands the intent, objectives, tasks, budgets, schedules, milestones, and deliverables for this project. The kick-off meeting will also identify additional individuals from other organizations and companies that may be responsible for implementing any part of the work. This meeting will also provide a forum to discuss critical path tasks such as data collection, that can be expedited.

Our assigned project manager will review the study area and assess existing conditions and data requirements prior to attending the kick-off meeting. Other topics covered during the kick-off meeting include:

- Key project issues
- Scope of work based on the key issues
- Data needed to address the scope of work
- Project schedule

Additionally, we will submit and discuss a request for additional geohydrologic data and information not currently in our database at the kick-off meeting.

Task 1.3: Design Review Meeting

Following pilot borehole drilling and testing, we will submit the DRAFT well design recommendation letter. Geoscience staff will attend one (1) design review meeting with the City and project team personnel prior to implementing the FINAL design in the field. The FINAL design will incorporate comments from the design meeting and will be submitted to the contractor for execution.

Task 2.0: Preliminary Design, Technical Plans and Specifications

Task 2.1: Preliminary Well Design

Geoscience will prepare a Preliminary Design Report (PDR) for the new well that address all well drilling process components. We will review all available relevant geohydrologic data and other background information regarding the site and incorporate it into the PDR. We assume that the bulk of this information will be obtained from existing reports and documents or provided by the City.

We expect this data will include, but is not necessarily limited to:

- Construction details of all existing wells in the vicinity of the new production well
- Lithologic and geophysical logs from existing wells and any other exploratory boreholes that have been drilled near the new well site
- Existing hydrogeologic cross-sections
- All relevant pumping and aquifer test data, including nearby well performance characteristics
- Historical groundwater elevation data
- Groundwater production history
- Groundwater quality information (depth-specific, if available)
- Locations of utilities including water transmission lines and hydrants, gas transmission lines, sewer lines and manholes, and storm drains

The PDR will summarize the well site evaluation and include expected ground water quality, ground water levels, potential well production, potential well interference, construction logistics and conflicts, environmental issues, and appropriate California State Water Resources Control Board (CSWRCB) Division of Drinking Water (DDW) separation distances from existing utilities infrastructure. The report will also include a preliminary design for the production well, a cost benefit analysis for different casing material types (i.e., mild steel vs HSLA vs stainless steel), a basis of design, evaluation of glass bead filter pack material, preliminary design drawings, and a preliminary construction schedule. At a minimum, the PDR will include the following construction details:

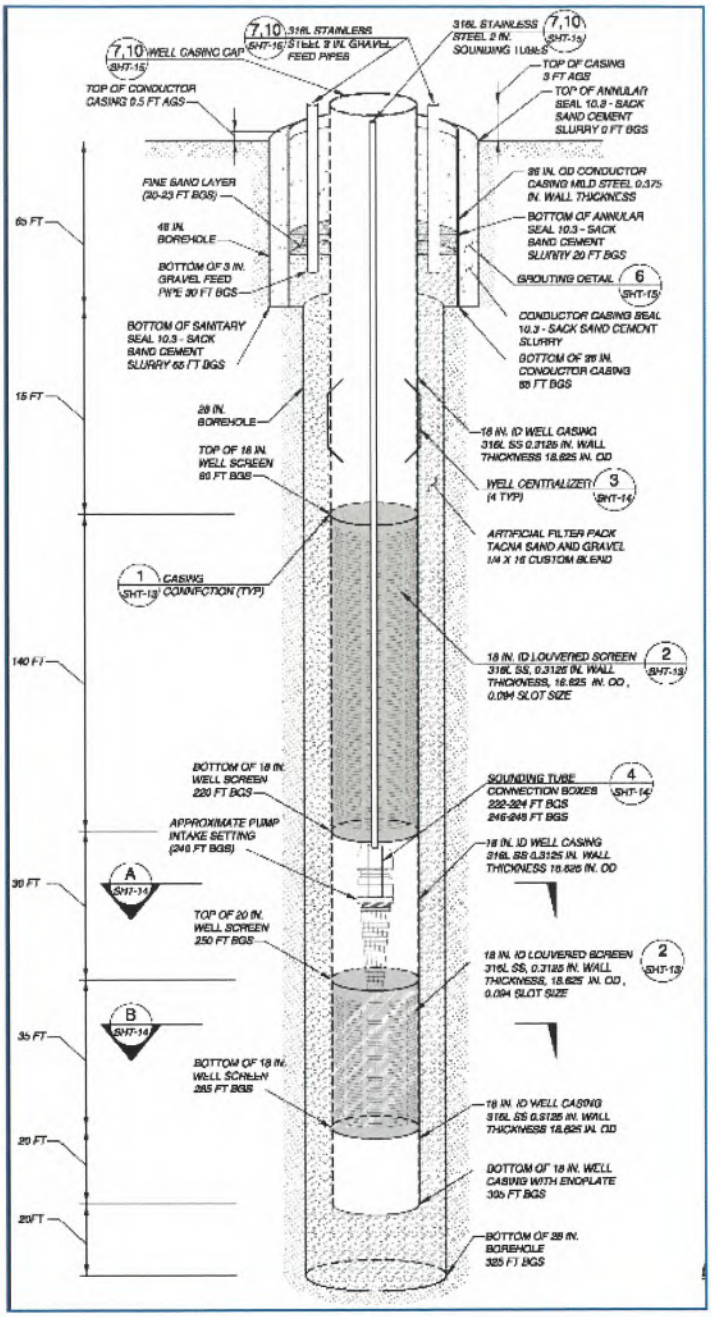
- Expected geohydrologic conditions and impact on drilling
- Recommended well drilling method
- Expected well depth and diameter
- Recommended casing materials and dimensions
- Depth of screened intervals
- Filter pack gradation (glass beads vs natural gravel)
- Well appurtenance (sounding and gravel feed tube)
- Site construction layout and access considerations
- Discharge considerations
- Drilling operation sequence
- Noise abatement measures taken during drilling

Geoscience will submit the PDR to City of Lakewood at the 100% DRAFT stage in electronic format (PDF) for review and comment. Once comments are incorporated we will submit six (6) bound hard copies of the Final PDR and one (1) CD of the report in electronic (i.e., PDF) format.

Task 2.2: Prepare Technical Plans and Specifications

Geoscience will prepare detailed preliminary designs, technical plans, and specifications for the new water well to include in the City-provided Notice Inviting Bids and City Agreement Language. Items addressed in the technical specifications will include the following:

- Pre-design for well location, depths, dimensions, and materials



The well technical plans (example illustrated above) will provide detail on zone layout, gravel pack design, and other details required to successfully complete the new well.

- Expected geohydrologic conditions
- Contractor-acquired permits
- Compliance with NPDES discharge requirements, as necessary
- Job conditions (e.g., noise suppression, drilling waste, run-off management, power, lighting, water, security, sanitation, and work damage)
- Mobilization, demobilization, and site cleanup
- Recommended well drilling methods
- Equipment, materials, and records to be furnished by the contractor
- Records to be kept by the contractor
- Well drilling, zone testing, and construction procedures including:

  - » Drilling, installation, and cementing of conductor casing
  - » Pilot-borehole drilling
  - » Geophysical borehole logging (i.e. short- and long-normal resistivity logs, guard or lateral logs, self-potential log, gamma ray, and sonic)
  - » Isolated aquifer zone testing
  - » Final borehole drilling (reaming pass)
  - » Alignment, plumbness, borehole integrity, and drilling speed
  - » Well casing and screen installation
  - » Gravel access and sampling tube installation
  - » Filter pack material selection and approved placement method
  - » Annular cement seal installation
- Well development procedures, including:
  - » Initial airlift development between packers
  - » Development by wireline swabbing and bailing (if necessary)
  - » Development by pumping
- Aquifer pumping and recovery tests, and spinner (flowmeter) survey
- Downhole video camera and gyroscopic alignment surveys
- Well disinfection, well cover, and final inspection

Geoscience will submit the preliminary design, technical plans and specifications to the City at the 100% DRAFT stage in electronic format (PDF) for review and comment. Upon incorporation of comments, Geoscience will submit six (6) bound hard copies of the FINAL technical specifications in addition to one (1) CD of the report in electronic (i.e., PDF) format.

Task 2.3: Permit Assistance

Geoscience will provide permitting assistance to the City and to the Contractor throughout the project. The coordination assistance may include regulatory agencies, such as City encroachment permitting, NPDES NOI's and reporting, AQMD requirements, County Flood Control, DDW, and County Health Department.

Task 2.4: CEQA Assistance

Geoscience will provide a supporting role, as necessary, with navigating CEQA requirements. It is our understanding that the City plans to prepare a Negative Declaration, as there are no significant impacts on the environment expected during the course of this project.

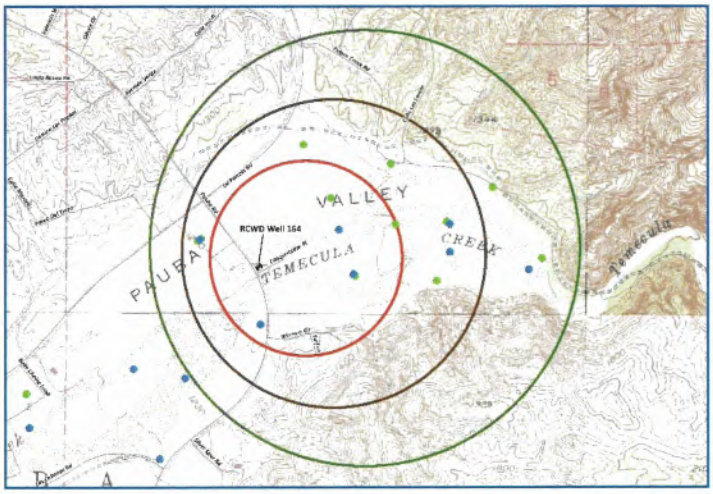
Task 2.5: Preliminary Drinking Water Source Assessment Program (DWSAP) Documents

In 1996, the United States Environmental Protection Agency (USEPA) amended the Safe Drinking Water Act to require that all states implement a Source Water Assessment Program (SWAP) for public water systems. The primary purpose of the SWAP program is to promote source water protection by conducting assessments of those sources. Effective July 1, 2014, DDW administers this program in California under the DWSAP program. The DWSAP program provides a proactive "multiple-barrier" approach to protect drinking water sources by assessing Possible Contaminating Activities (PCAs) within protection area boundaries delineated for a particular source. The program also assesses the actual drinking water source and its vulnerability to sources of contamination. The ultimate goal of the DWSAP program is to provide a baseline of information to prioritize and direct source water protection measures.

Prior to construction activities Geoscience will prepare preliminary DWSAP documents to identify potential contamination sources that could negatively impact water quality at the selected well site. Preparing the permit documents requires identifying all PCAs within two, five, and ten year protection zones for the well. The protection zones are delineated using the calculated fixed radius (CFR) method. The CFR method outlines an estimated zone of contribution on the land surface impacted by a pumping well to help State and local technical staff delineate wellhead protection areas. A radius is calculated based on the theoretical volume of water that will be drawn to the well, using parameters such as the well's pumping capacity, the well's screened interval, the aquifer's effective porosity, and a time period (2, 5, or 10 years). To account for a sloping water table a modified CFR method is used. Based on the known ground water flow direction this method shifts the protection zone radius up-gradient by a calculated amount to prevent overestimates in the down-gradient and underestimates in the up-gradient direction. The protection zones determined by the CFR and modified CFR are circles that extend in varying distances from the well. A figure showing the well protection zones and PCAs will be attached to the DWSAP documents (example provided below).

Task 2.6: Bid Assistance

We will attend a pre-bid meeting with interested contractors and City personnel at the beginning of the bidding process to discuss key issues in the technical specifications, and to answer all questions regarding site conditions, preliminary well design, schedule and other



As part of the DWSAP, we will prepare an illustration (example pictured above) of two, five, and ten year protection zones and potential sources of contamination.

hydrogeologic or contractual matters. During the bidding process our staff will respond to bidder's questions and prepare bid addenda as necessary. Once the bidding process is complete, we will help review and evaluate all bids received and will provide recommendations regarding construction contract award.

Task 3.0: Construction Management and Field Supervision

Our staff will provide on-site field supervision services during drilling, construction, development, and testing of the new production well. We assume for this proposal and cost estimate that on-site supervision for well drilling, construction, development, and testing will primarily be conducted on a part-time basis. However, full-time (24 hour) supervision will be provided at critical times-such as during well construction.

Task 3.1: Construction Management

Our staff will provide construction management services during the well construction process to confirm that the geohydrologic aspects of the project are carried out properly and efficiently. Construction management activities will include: reviewing contractor submittals, reviewing contractor invoices to verify accuracy and completeness, review and respond to contractor Request for Information (RFIs) and change order requests for legitimacy, prepare a final "punch list", and file essential paperwork, correspondence, field notes, etc. We will provide daily email and/or phone updates including relevant photographs. For cost estimating purposes, we assume approximately ten (10) to fifteen (15) contractor submittals will be received, and that no more than five (5) re-submittals will be necessary.

Task 3.2: Pre-Construction Meeting

Our staff will attend a pre-construction meeting with the selected contractor and the City to review key issues within the contract documents and technical specifications. We will also address questions regarding hydrogeologic and logistical matters. Items discussed at the meeting will include (but not be limited to): required submittals and inspections, permitting, work schedule, invoicing, and communication protocols. Additionally, at the time of the pre-construction meeting, the prospective contractor will have the opportunity to visit the well site to identify conditions that may affect equipment set up. The contractor will also have the opportunity to point out any issues they may have regarding site preparation.

Geoscience will coordinate contractor activities prior to mobilization. This will include verifying that the contractor has provided all submittals required by the technical specifications and that equipment delivered to the site meets the requirements listed in the specifications.

Task 3.3: Conductor Installation

Full-time on-site field supervision will be provided during conductor borehole drilling and logging, and conductor casing and sanitary cement seal installation, to verify that all materials are furnished and installed according to the technical specifications and regulatory requirements.

Our field staff will collect and log geologic samples during pilot borehole drilling to determine locations for zone isolated aquifer zone testing

Task 3.4: Pilot Borehole Drilling and Geophysical Logging

We will provide part-time observation during pilot borehole drilling. Formation samples will be collected at 10 ft intervals (or more frequently depending on the stratigraphy encountered). Samples will be identified for material type and production potential by visually logging them in the field using the Unified Soil Classification System (USCS). Upon completion of the pilot borehole drilling, Geoscience personnel will provide full-time onsite supervision during geophysical borehole logging (i.e., short- and long-normal resistivity, guard or lateral, spontaneous potential, gamma-ray, and sonic logs). Our staff will prepare lithologic chip trays and provide them to the City at the completion of pilot borehole drilling. For cost estimating purposes, we assume that the pilot borehole will be approximately 1,300 ft in depth.

Task 3.5: Evaluate Geophysical Logs and Select Zones for Isolated Aquifer Zone Testing

We will identify permeable and non permeable formation material from the geophysical borehole logs and from the samples collected during drilling. Based on this information and information collected during the drilling process, we will recommend zones (i.e., depth intervals) for isolated aquifer zone testing. The purpose of isolated aquifer zone testing is to determine both yield and water quality from the potential completion interval(s) before determining the final well design. Based on an anticipated static water level of 90 to 120 ft and a total borehole depth of 1,300 ft, a minimum of four (4) zones will be tested within the pilot borehole. Recommendations for isolated aquifer zone testing will be provided to the City in letter form less than 24 hours after completion of geophysical logging.

Task 3.6: Isolated Aquifer Zone Testing

Once aquifer zone depth intervals have been identified for selective zone testing, the contractor will begin constructing the zones. Geoscience staff will provide part-time supervision during construction and testing for each zone. We recommend that zone testing be performed at discharge rates exceeding 200 gallons per minute (gpm) to help ensure that representative aquifer sampling is occurring and that the aquifer is being sufficiently stressed to provide the best available field data. Whenever possible, turbidity measurements taken from the discharge water should be less than 10 nephelometric turbidity units (NTUs) for at least two hours before collecting water quality samples from any given zone.

After each zone has been appropriately developed, Geoscience staff will collect water samples and deliver them to a California-certified water quality testing laboratory for general mineral and physical properties analysis (or any other analyses specific to the well site as may be required). For cost estimating purposes, we assume that the drilling contractor will be responsible for the water quality laboratory fees and will contract directly with the laboratory. Field measurements will also be collected during each zone test to determine field parameters such as pH, temperature, and electrical conductivity. Additionally, the discharge rate, and static and pumping water levels, will be measured frequently during pumping so that we can determine each zone's production potential (including pressure head and specific capacity).

We will present the zone selection and recommended water quality analytical suite to the City for approval prior to implementation in the field. We recommend that the groundwater quality samples collected from the zone testing be analyzed on a 72 hour turn around time (i.e., rush) as the results of these analyses are integral for determining the screen interval(s) for the final well design.

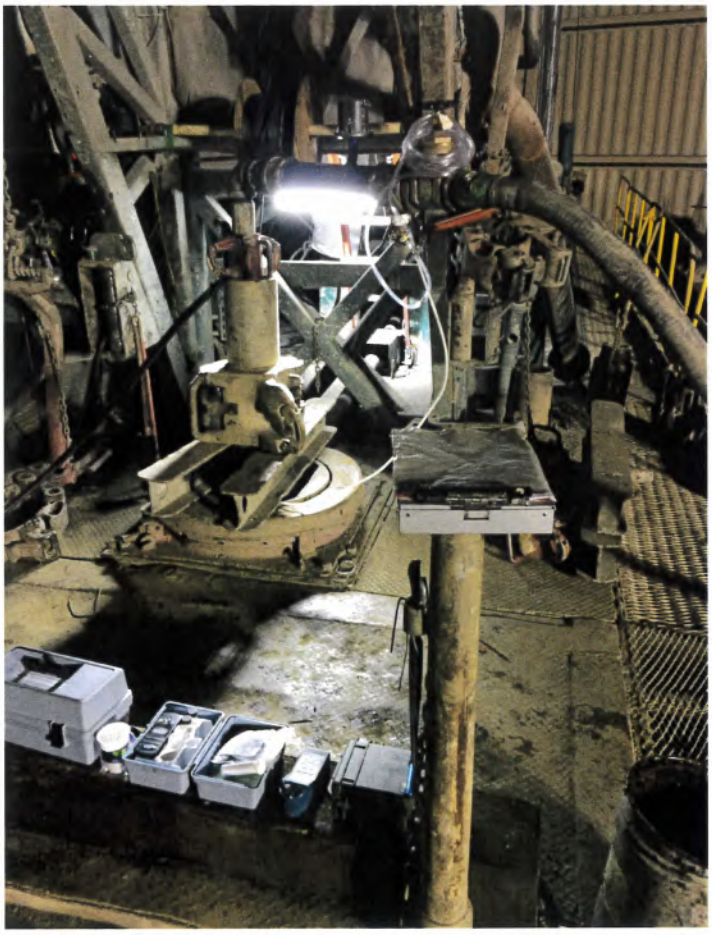
Task 3.7: Mechanical Grading Analysis

Using the visual and geophysical logs collected from the pilot borehole, up to ten (10) formation samples will be selected for mechanical grain size (i.e., sieve) analysis to assess permeability, sand migration potential, and uniformity coefficients. These analyses will be used as a basis for preparing the custom filter pack and well screen design for the well.

Task 3.8: Preparation of Final Well Design

Although we will identify the anticipated lengths and dimensions of the well casing and screen, and the materials used to manufacture them during the preliminary design phase, ultimately these details will be determined based on the results of the borehole lithology, geophysical logs, zone testing, and the desired production rate.

A properly designed and installed filter pack will control sand production from the wells when pumping. This will be especially important if glass beads are selected as filter pack material. Proper selection of the appropriate filter pack material gradation will be determined by mechanical grading analysis and will be designed based on industry standards regarding pack-to-aquifer ratios. This will especially important since primary water bearing formation materials at this site are expected to consist predominantly of fine to medium-grained sand. The size of the screen openings will be designed to allow a minimal but acceptable amount of filter pack material to move through the screen. This controlled movement of filter pack material will permit the proper development of the filter pack and near-well zone.



During zone testing (equipment pictured above) we will selectively pump zones within the well to determine the optimal screen locations.

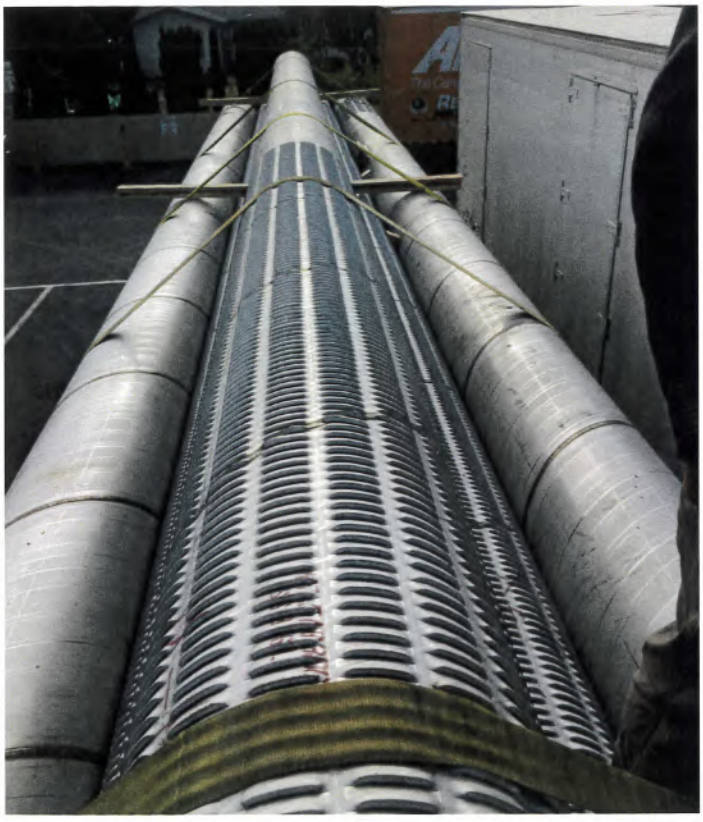
Based on results from the mechanical grading analysis, Geoscience will design the filter pack with a pack to aquifer ratio of between 4 and 20, and will use Terzaghi's criteria determine the movement of fines through the filter pack, and for the permeability of the aquifer and filter pack. We will identify targeted aquifers based on geophysical logs, mechanical grain size analysis, and isolated aquifer zone testing. The final well design will include recommended depth intervals and diameters for the well casing and screens, recommended borehole diameter(s), and the proper screen opening size to complement the filter pack designs. We will provide recommended depths for the well appurtenances and deep annular seals as necessary. Geoscience staff will meet with City personnel to discuss the draft recommended well design prior to finalization and implementation in the field.

Task 3.9: Borehole Reaming

During reaming (enlargement) of the pilot borehole to the final design diameter(s) and depth(s), part time field supervision will be provided to verify that the work is performed correctly, and that drilling fluid properties are maintained within the parameters defined by the technical specifications.

Task 3.10: Installation of Casing, Screen, Filter Pack, and Annular Seal

Full time (i.e., 24 hour) supervision will be provided during casing, screen, appurtenances, filter pack, and annular seal installation to verify that all materials are furnished and placed in accordance with the recommended design and technical specifications. Prior to installation, Geoscience personnel will inspect the filter pack material and the well casing and screen for compliance with the specified well design. As the filter pack and cement seal are installed, Geoscience personnel will track the volume placed against the volume calculated from the caliper log to confirm that there are no voids or bridges forming within the annular space.



We will provide full-time observation during casing and screen installation to confirm that materials are provided and placed according to the plans and specifications.

Task 3.11: Initial Well Development by Airlifting and Swabbing

Initial well development by airlifting and swabbing is an extremely important component of the well completion and development process. Geoscience will provide part time supervision during the airlift development process and will closely monitor discharge water turbidity and sand content to track the well's development progress. For cost estimating purposes, we assumed that the perforated interval of Well No. 28 will be 450 to 500 ft in length.

Task 3.12: Final Well Development by Pumping and Surging

Geoscience will monitor final development by pumping and surging on a part time basis. Tests for sand content and specific capacity will be performed frequently to measure the advancement of the development process and to verify that the well is fully developed before beginning the aquifer pumping tests. Specific draw down analysis will also be utilized to confirm proper and complete well development.

Task 3.13: Aquifer Pumping Tests

Once the well development process is complete, aquifer pumping tests will be performed to determine well and aquifer characteristics. If feasible, nearby City wells (i.e., Well No. 27, well No. 4, and Well No. 10) will be monitored to provide interference data and more accurately estimate aquifer parameters. The following aquifer pumping tests will be performed:

- Step Drawdown Pumping Test (8 hours): time drawdown measurements will be made to determine specific capacity and well efficiency relationships necessary to calculate the optimal production rate and pump setting. Typically, three to four rates are selected for pumping, beginning with the lowest rate and progressing to the highest.
- Constant Rate Pumping and Recovery Test (24 hours): time drawdown and recovery measurements will be made to estimate aquifer parameters. If possible, we will monitor nearby wells to obtain interference ground water levels during the test.

Toward the end of the constant rate test, Geoscience personnel will collect ground water quality samples and deliver them to a California-certified laboratory for analysis of water quality constituents required by the State of California's Title 22 Rule. For cost estimating purposes, we assume that the drilling contractor will be responsible for the water quality laboratory fees and will contract directly with the laboratory. Geoscience will also provide

full time supervision of flowmeter (spinner) survey typically conducted during the latter portion of the constant rate testing and following water sample collection.

Task 3.14: Video Survey, Plumbness and Alignment Surveys, and Final Disinfection

Following test pumping equipment removal and bailing the bottom of the well, Geoscience will provide full time supervision of a final downhole video survey to document the well's post-construction condition. Our staff will also supervise plumbness and alignment surveys to measure well verticality and alignment. We will also supervise the final well chlorination to verify that approved disinfection materials, concentrations, and methods are used by the contractor.

Task 3.15: Wellhead Completion, Post-Construction Site Condition, and Project Close-Out

Geoscience will supervise the final wellhead completion to confirm that the well casing and appurtenances are finished as described by the technical specifications and/or well designs. Our staff will also inspect the well site's post-construction condition to verify that all equipment, materials, and trash have been removed and that the site has been restored as closely as possible to its original condition.

Task 3.16: Recommended Pump Setting and Design Discharge Rate

Geoscience will analyze data from the pumping tests and provide recommend operational parameters to the City in letter format-including design pumping rate, short and long term drawdown characteristics, well efficiency, and recommended pump setting. Geoscience staff will attend a meeting with City personnel to discuss the pump design recommendations.

At well completion we will perform a video survey (pictured above) of the well to document as-built conditions.

Task 4.0: Well Completion Summary Report

Task 4.1: Comprehensive Well Completion Summary Report

At the conclusion of well construction activities, Geoscience will prepare a detailed final report for the well that summarizes the details of drilling, construction, development, and testing. The well completion summary report, at a minimum, will include the following:

- Chronology of activities
- Lithologic log based on the drill cuttings
- Mechanical grading analyses
- Geophysical and video survey logs
- As-built diagram of the completed well
- Analyses and results of aquifer pumping tests
- Zone test and Title 22 water quality data
- Recommended pump setting, production rate, short- and long-term drawdown
- California DWR well completion report
- Field inspection and testing reports
- An electronic photographic log
- Other pertinent data and analytical results

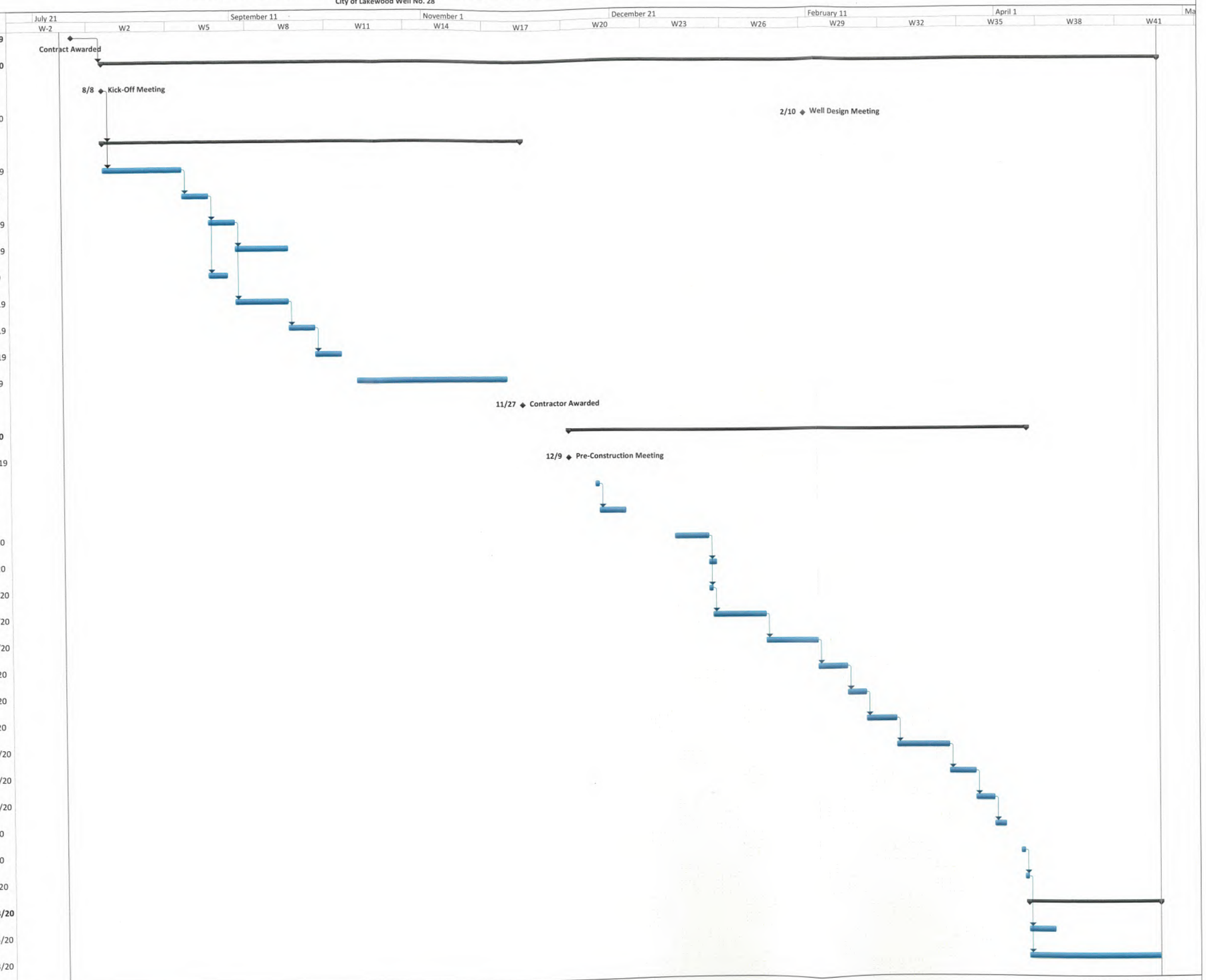
Geoscience will submit an electronic copy (PDF) on CD, and six (6) bound hard copies of the 100% FINAL report.

Project Schedule

A detailed project schedule is provided on the following page.

Schedule of Hydrogeological and Engineering Services Related to Design, Construction Management, and Supervision Services
City of Lakewood Well No. 28

ID	Task Name	Duration	Start	Finish
1	**City Council Awards Consultant Contract**	**0 days**	**Wed 7/31/19**	**Wed 7/31/19**
2	**PROJECT MANAGEMENT AND MEETINGS**	**200 days**	**Thu 8/8/19**	**Wed 5/13/20**
3	Prepare for and Attend One (1) "Kick-Off" Meeting	0 days	Thu 8/8/19	Thu 8/8/19
4	Design Meeting with City and Project Team to Discuss Final Well Design	0 days	Mon 2/10/20	Mon 2/10/20
5	**PRELIMINARY DESIGN, TECHNICAL PLANS AND SPECIFICATIONS, PERMITTING, AND BIDDING ASSISTANCE**	**79 days**	**Thu 8/8/19**	**Wed 11/27/19**
6	Prepare a Preliminary Well Design Report (PDR) 100% DRAFT	15 days	Thu 8/8/19	Wed 8/28/19
7	City review and Comment Period	5 days	Thu 8/29/19	Wed 9/4/19
8	Incorporate comments and issue 100% FINAL PDR	5 days	Thu 9/5/19	Wed 9/11/19
9	Provide Permit Assistance to City and Contractor	10 days	Thu 9/12/19	Wed 9/25/19
10	Prepare PRELIMINARY Drinking Water Source Assessment Program (DWSAP) Documents	3 days	Thu 9/5/19	Mon 9/9/19
11	Prepare Detailed Technical Plans and Specifications for Drilling and Constructing Well No. 28 100% DRAFT	10 days	Thu 9/12/19	Wed 9/25/19
12	City review and Comment Period	5 days	Thu 9/26/19	Wed 10/2/19
13	Incorporate comments and issue 100% FINAL Technical Plans	5 days	Thu 10/3/19	Wed 10/9/19
14	Provide Assistance During Bidding Process and Attend Pre-Bid Meeting	30 days	Mon 10/14/19	Fri 11/22/19
15	**Contractor Awarded Contract**	**0 days**	**Wed 11/27/19**	**Wed 11/27/19**
16	**CONSTRUCTION MANAGEMENT AND ONSITE FIELD SUPERVISION**	**88 days**	**Mon 12/9/19**	**Wed 4/8/20**
17	Pre-Construction Meetings and Pre-Mobilization Coordination	0 days	Mon 12/9/19	Mon 12/9/19
18	Field Supervision of Conductor Borehole Drilling, Casing Installation, and Sanitary Seal	1 day	Mon 12/16/19	Mon 12/16/19
19	Contractor Mobilization	5 days	Tue 12/17/19	Mon 12/23/19
20	Field Supervision of Pilot Borehole Drilling, Sampling of Cuttings, and Geophysical Borehole Logging	7 days	Mon 1/6/20	Tue 1/14/20
21	Review Lithology and Perform Mechanical Grading Analyses	2 days	Wed 1/15/20	Thu 1/16/20
22	Evaluate Geophysical Borehole Logs, Select Zones for Isolated Aquifer Zone Testing	1 day	Wed 1/15/20	Wed 1/15/20
23	Field Supervision of Isolated Aquifer Zone Testing	10 days	Thu 1/16/20	Wed 1/29/20
24	Prepare Design of Casing, Screen, Filter Pack, and Annular Seal	10 days	Thu 1/30/20	Wed 2/12/20
25	Field Supervision of Reaming (Enlargement) of Pilot Borehole and Caliper Survey	6 days	Thu 2/13/20	Thu 2/20/20
26	Field Supervision of Installation of Casing, Screen, Filter Pack, and Annular Seal	3 days	Fri 2/21/20	Tue 2/25/20
27	Field Supervision of Initial Development by Swabbing and Airlifting	6 days	Wed 2/26/20	Wed 3/4/20
28	Demobilize Drill Rig and Mobilize Pump Rig	10 days	Thu 3/5/20	Wed 3/18/20
29	Field Supervision of Final Development by Pumping and Surging	5 days	Thu 3/19/20	Wed 3/25/20
30	Field Supervision of Aquifer Pumping Tests, Spinner Survey, and Water Quality Samples	3 days	Thu 3/26/20	Mon 3/30/20
31	Evaluate Aquifer Pumping Test Analyses and Prepare Pump Design Letter	3 days	Tue 3/31/20	Thu 4/2/20
32	Field Supervision of Downhole Video Survey, Plumbness and Alignment Surveys, and Final Disinfection	1 day	Tue 4/7/20	Tue 4/7/20
33	Field Supervision of Wellhead Completion, Post-Construction Site Condition, and Prepare Project Close-Out Documents	1 day	Wed 4/8/20	Wed 4/8/20
34	**WELL COMPLETION SUMMARY REPORT**	**25 days**	**Thu 4/9/20**	**Wed 5/13/20**
35	Prepare FINAL Drinking Water Source Assessment Program (DWSAP) Documents	5 days	Thu 4/9/20	Wed 4/15/20
36	Prepare Comprehensive Well Summary Report for the Newly Completed Well 100% FINAL	25 days	Thu 4/9/20	Wed 5/13/20



Consulting Team Personnel

For more than 40 years, Geoscience has focused on only one thing; groundwater. We were one of the first firms in the State to focus solely on groundwater modeling, studies, and groundwater production wells. Over the past 40 years we have completed **more than 2,000 groundwater studies, and more than 1,000 production well design and/or rehabilitation projects.**

Our team has helped other agencies, including the City of Lakewood, site, design, and install production wells,. The following pages contain an organization chart illustrating our team organization and reporting relationships. Following the organization chart we provided resumes of our assigned team listing their education, qualifications, and relevant experience. We also provide references listing similar projects that our team has completed.

The table at right lists our assigned team, their project role, and anticipated time allocated to the project (as a percentage).

Project Manager

Terry Watkins, PG, CHG, will serve as the project manager throughout the duration of the project and is authorized to represent Geoscience. **Terry is intimately familiar with the project, having provided support in the past to develop initial engineers estimates and geologic data for Well No. 28.**

Terry will not be reassigned without prior written authorization from the City. We have also assigned Chris Coppinger, PG, CHG as an alternate project manager. Although it is extremely unlikely that our primary project manager will be reassigned, Chris will be available to fill in if the primary project manager is unavailable (i.e. ill, or on vacation).

Geoscience Experience by the Numbers

1,000+

Groundwater production wells designed, inspected, and/or rehabilitated by Geoscience—*experience to help resolve potential issues in the field*

350+

Well projects completed or assisted by our assigned project manager—*proven experience in well siting, design, and construction observation*

Staff	Role	% Allocated
Terry Watkins, PG, CHG	Project Manager	70%
Chris Coppinger, PG, CHG	Alternate Project Manager	As Needed
Logan Wicks, PG	Field Project Manager	80%
Coral Shaw	Lead Field Observer	90%
Edween Hernandez	Field Observer	75%
Seth Kuiper	Field Observer	As Needed
Wesley Massoll	Field Observer	As Needed
Alex Arita	Field Observer	As Needed

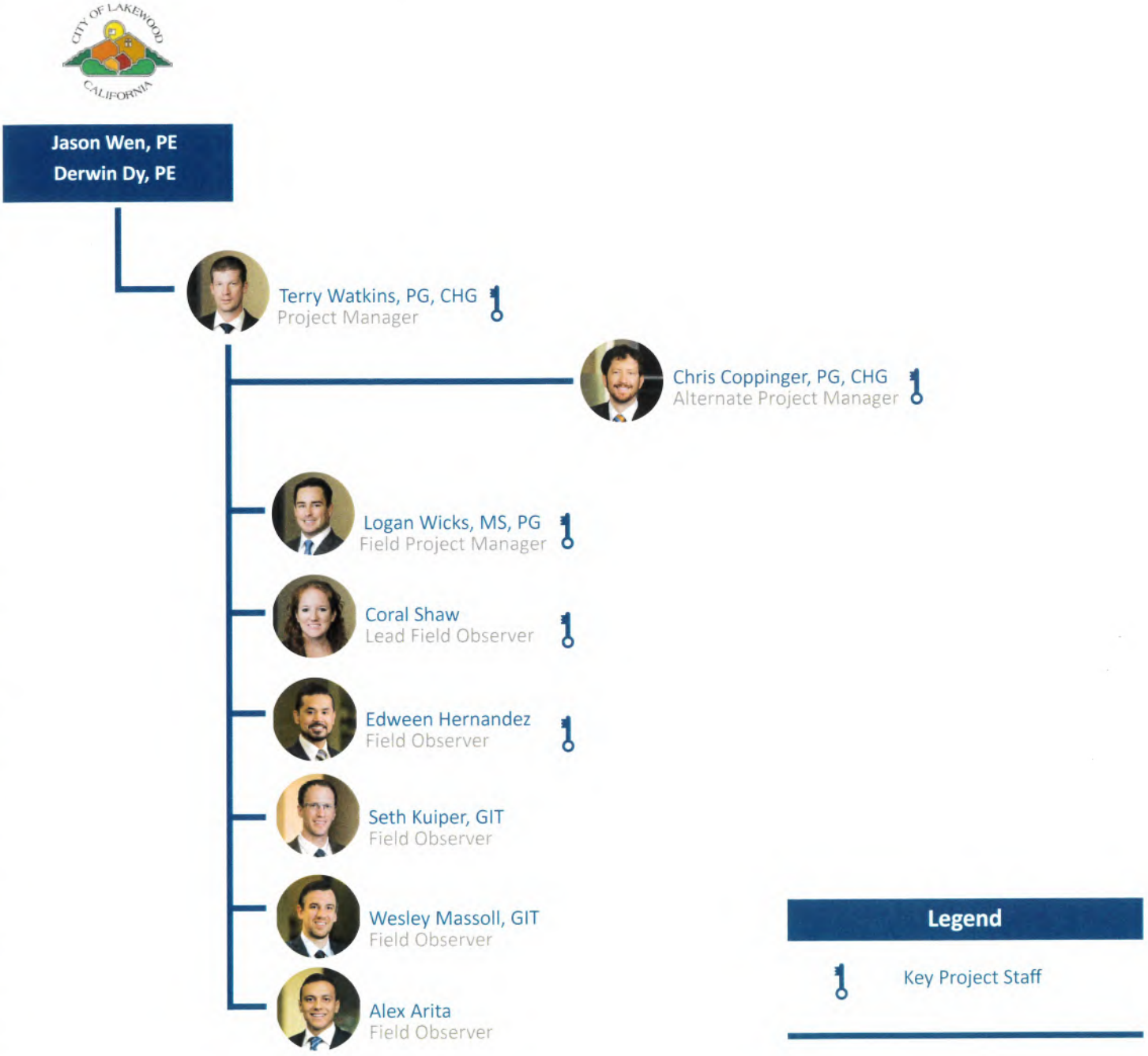
Our assigned team, their role, and projected time allocated to the project is provided in the table above. In addition to our key project staff, we have assigned alternate staff to provide support as needed to help ensure that the project is completed within schedule.

Staff Organization

The table below lists our assigned team, their role, qualifications, and time allocated to the project. Full descriptions of our team's qualifications are provided in the Resume section on the following the team organization chart.

Terry Watkins, PG, CHG, will serve as our assigned project manager and will be supported by Chris Coppinger as needed. Field activities will be overseen by Logan Wicks, PG, and our lead field observer, Coral Shaw. Logan will help coordinate field activities and provide as-needed support onsite. Coral will be our primary field observer. She has completed several well projects in the area and is familiar with the local geology and stakeholders. Edween Hernandez will support Coral in the field as needed. We have also assigned three experienced field staff to provide back-up support if needed—Seth Kuiper, Wesley Massoll, and Alex Arita.

Staff Commitment:
All staff listed in the organization table below will perform the work described in the City's RFP. Staff will not be replaced or reassigned without the City's prior approval.



Terry Watkins, PG, CHG
Project Manager

Years of Experience: 15
Years with Geoscience: 13

Eduction:
BS, Geology, Cal Poly Pomona

Professional Registrations:
California Professional Geologist
(No. 9046)

Certified California Hydrogeologist
(No. 1038)

Status:
Full-time employee

What Terry brings to the project...

- Exceptional communication with all stakeholders—minimize project issues
- Superior relationship with drillers—maximize well capacity and performance
- Experience with supply, injection, and monitoring wells—identify and resolve issues

43+
The number of clients for which Terry has provided well construction management

60
The number of wells Terry has managed on a single project

350+
The number of well projects Terry has completed

Terry has more than 15 years of experience in a variety of groundwater projects, including geohydrologic investigations, quality studies, artificial recharge, water well test drilling programs, sea water desalination programs, and water well water well supervision and management. He has supported all phases of well projects including siting, design, aquifer pumping test analyses and well construction. Terry has performed project management and well construction management and supervision on several multi-well projects throughout California including water supply wells, ASR wells, injection wells, and monitoring wells.

Selected Project Experience

Pico Water District: Well Number 11
Terry oversaw efforts to complete a well-siting assessment and recommendations, drafted technical plans and specifications, perform contractor bid assistance, and support permitting with regulatory agencies. Selecting a suitable site for the project was challenging because of economic feasibility considerations. Working with the district and under Terry's supervision, our team successfully found solutions to integrate the new well into the existing system and meet the drilling, construction and testing completion dates set for early 2018.

Orange County Water District, Alamitos Barrier Improvement Project
The Alamitos Barrier uses a network of 43 injection wells near the coast in southeastern Los Angeles County, and northwestern Orange County. The wells inject freshwater into the local basin to prevent seawater intrusion, protecting local groundwater supplies. Terry oversaw efforts to oversee drilling and construction, and perform testing and reporting for 17 injection wells, four nested monitoring wells, and two shallow piezometer wells. The project was completed under budget and on-time, meeting and exceeding client expectations.

Bellflower-Somerset Mutual Water Company: Leahy Ave. Well
The project's preliminary design phase was completed in 2013 but the project was stalled for five years due to permitting issues. Because of the permitting delay, Terry helped modify the schedule and budget to get the project back on track and completed. The project successfully met the new schedule and budget and produces more than 3,500 gpm, with a specific capacity of 60 gpm/ft—meeting all water quality and production objectives.

City of Huntington Beach: Replacement of Well No. 1
As the Project Manager, Terry oversaw preliminary design documents, technical plans and specifications for drilling, construction, development, and testing. The project presented several challenges due to multiple risks in design operations, challenging water quality and production goals, and numerous stakeholders. To overcome the project challenges our team provided additional construction management and detailed design recommendations. Our team's efforts were successful in meeting the project's water quality and production requirements—exceeding expectations and completing the project on-budget and on-time.

Municipal Water District of Orange County: Dana Point Ocean Desalination Project Hydrogeology Investigation, Phase I Intake Technology for Desalination Project

Terry provided field supervision during drilling and testing efforts for four boreholes at the mouth of the San Juan Creek near Dana Point. Terry also supervised monitoring and construction of two, triple completion cluster monitoring wells.

Department of Water Resources: Lake Perris Seismic Retrofit De-watering Wells

Lake Perris is the terminal reservoir of the California Aqueduct's East Branch, and is the southernmost portion of the state water project. The de-watering well project is part of a larger project that will add a new outlet tower, and construct an emergency release facility. Terry oversaw efforts to provide field observation for 49 de-watering wells and rehabilitate 11 existing de-watering wells to further improve the dam's stability during a seismic event. We quickly ramped up inspection on short notice to provide 10 field personnel for on-site observations 24 hours a day, for five months.

Elsinore Valley Municipal Water District: Multiple Projects

As part of an on-call contract, Terry led efforts to rehabilitate six existing wells ranging in depth from 105 ft to 1,700 ft. Our team performed an initial site assessment, developed well designs, and oversaw production well construction. Currently, Terry is leading efforts to help the district to mitigate air entrainment in discharge water from an existing well.

West Valley Water District: Rialto Colton Monitoring Well Number One

Monitoring Well No. 1 was constructed in an area with historically high perchlorate levels in the groundwater creating a challenge in disposing of contaminated groundwater. As the project manager, Terry worked with a third-party contractor to install a water treatment system onsite. The system used activated charcoal to successfully treat several hundred thousand gallons of perchlorate contaminated groundwater. Once treated, the water was able to be disposed of in the local storm drain system, eliminating substantial disposal costs.

Chino Basin Desalter Authority: CDA Wells II-10 and II-11

Terry oversaw technical specifications, drilling, construction, design, development, and testing two, 450-foot deep, large diameter, high capacity municipal production wells. The wells had initial production goals of 2,500 gpm, however once completed the wells produced more than 3,500 gpm.

West Valley Water District: Lytle Creek and Bloomington Area Preliminary Feasibility Study for Artificial Recharge

Terry was the project manager and oversaw two feasibility studies using the existing Rialto-Colton and Riverside-Arlington ground water models to determine the benefits of artificial recharge using capture stormwater to district wells.

Big Bear Area Regional Wastewater Agency: Big Bear Valley Ground Water Replenishment Study

Terry performed borehole drilling and construction oversight for eight monitoring wells to complete a comprehensive artificial recharge study for the Big Bear Valley area of the San Bernardino Mountains. He supervised and conducted standard penetration tests (SPT) sampling on 5 boreholes to calculate liquefaction potential at the site.

Stirling Airports International: Geohydrologic Evaluation of Potential Discharge Basins

Terry performed field supervision for exploratory borehole drilling and single-ring infiltrometer testing at the test site.

San Diego County Water Authority: Mission and Bonsall Basins Artificial Recharge Program

Terry provided field oversight for monitoring well and test well installation and conducted aquifer pumping tests. The study evaluated the geohydrology for the Mission and Bonsall Ground Water Basins of the Lower San Luis Rey River Valley in northern San Diego County for alluvium and bedrock aquifer properties, and ground water storage and recovery potential.

Beaumont Cherry Valley Water District: Noble Creek Artificial Recharge Facility

Terry supervised field drilling, construction, development, and instrumentation for monitoring wells used to track recharge water percolation throughout a 40-acre recharge facility. Terry continues to monitor and report on active operations at the recharge facility.

City of South Pasadena, Rehabilitation of Wilson Well Number Two

Terry led efforts to develop rehabilitation recommendations and a work plan for Wilson Well No. 2. During rehabilitation, redevelopment, and testing, Terry supervised our field staff and helped the City exceed initial timeline and production goals.

Chris Coppinger, PG, CHG
Alternate Project Manager

Years of Experience: 14
Years with Geoscience: 13

Education:
BS, Geology, College of William & Mary

Professional Registrations:
California Professional Geologist (No. 9093)
Certified California Hydrogeologist (No. 1040)

Status:
Full-time employee

What Chris brings to the project...

- 14 years of well design and supervision experience—increase project efficiency
- Experience with supply, injection, water banking, and monitoring wells—identify and resolve issues
- Experience on multiple-well projects—help manage schedule and budget and identify project efficiencies

39
The number of clients Chris has worked with to design and install groundwater wells

Chris has 14 years of professional experience in ground water and well investigations for numerous municipal and private clients. His expertise includes ground water basin evaluations, well siting investigations, and artificial recharge and conjunctive use studies. He also manages a number of well drilling and rehabilitation activities including coordinating with project stakeholders. Chris' experience with artificial recharge and monitoring well studies can help you develop effective monitoring well networks to provide accurate data groundwater models and studies.

Selected Project Experience

City of Riverside: Well Rehabilitation and Groundwater Monitoring Program
Chris managed efforts to compile and review historical well data for 60 potable water supply wells owned and operated by the City. The project developed a well ranking system to prioritize well rehabilitation and repair. To complete the assessment, Chris reviewed video surveys, driller's logs, construction information, historical pumping, performance, ground water elevations, and past rehabilitation/ redevelopment measures. Chris helped develop a priority ranking matrix for well rehabilitations/replacement that included the well's estimated remaining useful life , and estimated rehabilitation costs over five, ten and twenty years. At the conclusion of the review Chris developed presentations and attended project workshops to present and discuss findings to key project personnel.

California Water Service Company: Groundwater Supply Study
Chris developed a strategy to maximize groundwater production to fully utilize pumping allotment across two adjudicated basins. He compiled and reviewed historical pumping and water level data in district wells, and located data from other nearby wells. Chris then developed rehabilitation schedules, long term average flow rates, and provided areas to target for future well siting.

Alamitos Barrier Improvement Project – Los Angeles / Orange Counties, CA, Orange County Water District
This project will construct 17 new injection wells, four (4) nested monitoring wells, and two (2) piezometers. The injection wells will serve to increase the capacity and effectiveness of the existing seawater barrier system. Chris maintained effective control of project scope, schedule, and budget while providing construction management services.

City of Riverside: 2015 Well Rehabilitation
Upon completion of the Well Rehabilitation and Groundwater Monitoring Program, the City selected 4 wells for rehabilitation. Chris led efforts to, repair, rehabilitate, and return to service, a well drilled in 1927. He also provided recommendations to modify existing technical specifications to allow needed repairs, and field observation during repair. All wells were successfully rehabilitated with two achieving major increases in efficiency.

Confidential Client: Deep Completion Monitoring Well Network

Chris worked closely with Orange County Water District and California Division of Oil Gas and Geothermal Resources to site, drill, and install deep (up to 1,400 ft) monitoring wells. The wells are currently monitored monthly to determine if water-flood injection stimulated oil production is affecting groundwater gradient and quality in the upper aquifers.

City of Banning: Rehabilitation of Well NP-1

Chris reviewed and evaluated video survey, production and pumping performance, hydrographs, water quality data, and side wall scraping results for Well NP 1. He helped prepare technical rehabilitation specifications that included well casing and screen cleaning by brushing, dispersing agent application, airlifting and swabbing, pumping and surging, aquifer pump tests, flowmeter survey, post-development video survey, and final well disinfection.

City of Tustin: Rehabilitation of 17th Street Well No. 4

Chris performed field observation during pre- and post-redevelopment video surveys, mechanical redevelopment steps, and well performance tests. Rehabilitation efforts included initial cleaning of well casing and screen by brushing, airlifting and swabbing, pumping and surging, step drawdown and constant rate pumping tests, and chemical treatment. He also helped develop methodology for locating sand producing zones and provided field observation during patching.

Southern California Edison: Rehabilitation of Quarry Seawater Source Wells and Cottonwood Area Wells, Santa Catalina Island

Chris reviewed data necessary to develop detailed technical specifications for well rehabilitation, including review of downhole video surveys to determine the physical condition and types of encrustation visible on the intake areas (i.e., screen interval) for each well. He provided contractor bid support for the well rehabilitation work, which included answering contractor requests for information, and providing support for interaction between client and contractor. Chris also performed field observation services during the rehabilitation process, which included cleaning of well casing and screen by brushing, application of biocide and dispersing agents, airlifting and swabbing, pumping and surging, aquifer pump tests, post-development video survey, and final well disinfection. At the conclusion of the project, Chris helped prepare draft and final summary reports.

Big Bear Area Regional Wastewater Agency: Bear Valley Ground Water Replenishment Study

Chris helped collect water quality samples for sulfur hexafluoride (SF6) analysis used for seepage velocity calculations in the spreading basin test site.

Beaumont Cherry Valley Water District: Noble Creek Artificial Recharge Facility

Chris performed well construction supervision for tasks such as bore-hole drilling, geophysical logging, installation of cement seal, casing observation and installation, filter pack installation, air lift and swabbing, pump development, and down-hole video logging. He also performed various pump tests analyses and water quality sampling.

Rancho California Water District: Replacement of Nine (9) Municipal Wells

As the project manager, Chris oversaw preparation of DWSAP reports, preliminary design reports, demolition/construction plans, and technical specifications for the installation of 9 new production wells to replace failing municipal supply wells. Work was divided into several design and construction management contracts. Provided well design, technical specifications, assistance to the assigned District engineer with preparation of bid packages, engineer's estimates, and permitting. Drilling phase work included analysis of zone test data, preparation of multiple design options (focusing on producing maximum volume or lowest risk of contamination), and testing following well completion.

Michael Baker International: Replacement of Two Municipal Well and Destruction of Three Wells

Chris oversaw efforts to prepare demolition/construction plans and technical specifications to install two new production wells as part of a land swap agreement between a commercial client and Riverside Public Utility Agency. Provided assistance to the design engineer with preparation of bid packages, engineer's estimates, and permitting. Provided bid evaluation assistance, managed construction and destruction schedule, designed replacement wells that doubled specific capacity of existing wells and met water quality objectives.

Michael Baker International: Replacement of one Municipal Well and Destruction of 10 Wells

Chris was responsible for preparing demolition/construction plans and technical specifications for the installation of a new production wells as part of a land swap agreement between a commercial client and Riverside Public Utility Agency. Project includes destruction of 10 existing wells with complex permitting jurisdictions and construction of a replacement well. Contractors have been selected for destruction and drilling phases.

PSOMAS: Construction of Two Municipal Wells

Chris provided construction management for two municipal supply wells for PSOMAS. Coordinated staffing for oversight during drilling, construction, development and testing of municipal supply wells for City of Chino and Eastern Municipal Water District. Provided peer review of PSOMAS's designs.

Irvine Ranch Water District: Construction of Three Municipal Supply Wells

Chris provided project management for design, construction and testing of three IRWD wells. Work included two contracts. Wells were located in Lake Forest, Tustin, and Orange. Work included technical specifications, permitting assistance, zone testing, final well design, development and analysis of aquifer testing.

Logan Wicks, MS, PG
Field Project Manager

Years of Experience: 10
Years with Geoscience: 3

Education:
BS, Geology, Cal Poly Pomona

BS, Biology, Cal Poly Pomona

MS Geology, Cal Poly Pomona

Professional Registrations:
California Professional Geologist (No. 9580)

Status:
Full-time employee

What Logan brings to the project...

- Experience and familiarity with groundwater studies and monitoring well installation—help provide more accurate and thorough models and studies

Logan has more than 10 years of professional experience on groundwater and well investigations for numerous municipal and private clients. His experience includes ground water quality evaluations, well siting investigations, and remediation water supply studies. He also manages a number of well drilling and rehabilitation activities, including supervision and coordination with drilling contractors, clients, and regulatory agencies, well design and construction, well development, and aquifer pumping test analyses.

Selected Project Experience

City of Huntington Beach: Well 1 Replacement
Logan performed well destruction and replacement for the City of Huntington Beach. He supported design efforts for well casing, screen, filter pack, and annular seal. During construction, he attended field meetings and worked with the contractor to inspect conductor bore hole drilling, casing installation, and the sanitary seal. He also sampled and logged soil cuttings, inspected aquifer zone testing for yield and water quality, and performed mechanical grading analyses. Once constructed, Logan inspected final development by pumping and surging and aquifer pumping tests.

Rancho California Water District: Well Constructions
Logan helped complete an annual assessment of ground surface movement and aquifer compression and rebound using extensometer, global positioning system, and production data. He was the lead hydrogeologist responsible for all onsite well deconstruction observation and replacement well construction including full time supervision of conductor borehole drilling, conductor casing install, pilot borehole drilling, geophysical logging, and casing install for three new wells. He helped design, and oversaw installation and development for the replacement wells.

Imperial Irrigation District: Monitoring Wells 1 & 2
Logan provided onsite well construction observation and data analysis. He helped develop the final well design, pump design and water quality analysis.

West Valley Water District: Sentinel Well 1 Construction
Logan performed site field supervision, field work, on site supervision during reaming, caliper logging, casing installation, and assisted with NPDES discharge requirements.

Orange County Water District: Los Alamitos Barrier Improvement Project
Logan was part of a team of hydrogeologists responsible for full time observation of conductor borehole drilling, conductor casing install, pilot borehole drilling, geophysical logging, and casing install of Injection wells and Monitoring wells. 17 Injection wells, 4 clustered Monitoring wells and 2 Piezometers make up the project. Responsible for contacting OCWD, Jensen Drilling and Mahaffey while drilling.

West Valley Water District: Quarterly Depth Specific Sampling
Logan procured and developed depth specific Snap Samplers in three (3) WVWD Wells. He then provided on site supervision for depth specific sampling and water quality analysis.

City of South Pasadena: Rehabilitation of Wilson Well #2
Logan reviewed and evaluated video survey, production and pumping performance, hydrographs, water quality data, and side wall scraping results for Wilson Well #2. He helped prepare technical specifications for well rehabilitation, which included: cleaning of well casing and screen by brushing, applying dispersing agents, airlifting and swabbing, pumping and surging, aquifer pump tests, flowmeter survey, post-development video survey, and final well disinfection.

Angus Petroleum: Angus Monitoring Well Continuous Water Quality Data Sheet
Logan helped create the Angus Monitoring Well Continuous Water Quality Data Sheet for in house collection, compilation and evaluation of all Angus Petroleum Monitoring Well Water Quality Data. He also communicates with DOGGRs, addresses their comments and helps compete final reports.

Coral Shaw
Lead Field Observer

Years of Experience: 5
Years with Geoscience: 5

Eduction:
BS, Geology, California State University, Fullerton

Status:
Full-time employee

What Coral brings to the project...

- Field experience and familiarity with groundwater models—help provide more accurate field data and monitoring

Coral has performed well construction observation for tasks such as pilot borehole drilling and reaming, casing supervision and installation, air lifting and swabbing, development by pumping, and down-hole video logging. She has performed various pumping test analyses, including large scale pumping tests and water quality sample collection. Coral also prepares well designs based on data collected during the drilling process, provided final pump design recommendations, and final summary reports.

Selected Project Experience

Riverside Public Utilities: Well Rehabilitation and Groundwater Monitoring Program
Coral helped compile and review historical well data for 60 potable water supply wells for the purpose of developing a well ranking system to prioritize wells in need of rehabilitation and repair. Created Well Summary Letters.

Hillwood Investment Properties: Raub Well Relocation Project
Responsible for all on site field supervision, field work, and all design and letters, for both Raub 4-R and 5-R.

Hillwood Investment Properties: Raub Wells 1, 4, and 5 Destruction
Responsible for all on site field supervision, field work, well destruction letters, on site during bailing of well, cement filling the casing, and burial and cementation on top of well.

Imperial Irrigation District: Preliminary Well Workplans
Created multiple workplans including: Preliminary PDR, Cost Proposal, and Existing Groundwater Pumping Evaluation.

Lennar/Psomas: Mountain View Park Well Drilling Improvements, Well 14- Chino, CA
Full time and partial onsite supervision during pilot hole reaming, casing installation, filter packing and mechanical development by swab and airlifting.

Eastern Municipal Water District Well 64-
Full time and partial onsite supervision during pilot hole reaming, casing installation, filter packing, and mechanical development by swab and airlifting.

Rancho California Water District: Well 161
Assisted with responding to submittals about project, full time and partial on site supervision during conductor borehole drilling, conductor casing install, pilot borehole drilling, geophysical logging and zone testing of pilot borehole.

Rancho California Water District: Well 236, 237, and 238
Assisted with Preliminary and Final DWSAP documents. Full time and partial on site supervision during pilot borehole drilling, geophysical logging and zone testing of pilot borehole.

Riverside Public Utilities: Van Buren 1&2, Flume 4, Garner 6 Rehabilitation
Staff Hydrogeologist who assisted with plotting preliminary pump development data to be sent to client for review also Assisted with on site observation of mechanical development by swab and airlifting, pump testing and summary letters of final analysis of wells.

Rancho California Water District: Annual Subsidence Report
Assisted with yearly report of the assessment of ground surface movement and aquifer compression and rebound using extensometer, global positioning system, and production data.

West Valley Water District: Sentinel Well
Full time and partial onsite supervision during pilot hole drilling, zone testing, mechanical development by swab and airlifting, and pump development.

Chino Basin Desalter Authority: Phase 3 Well II-10 & II-11
Staff Geohydrologist responsible for creating the Pre-Bid Meeting Notes, reviewing of the Technical Specifications and Bid Contracts, and was on site during Constant Rate Test of Pump Development.

Edween Hernandez
Field Observer

Years of Experience: 2
Years with Geoscience: 1

Eduction:
BA, Education, University of California, Riverside

MS, Geology, California State University, Fullerton

Status:
Full-time employee

What Edween brings to the project...

- Field experience and familiarity with groundwater models—help provide more accurate field data and monitoring

Edween has been involved in many different types of well projects, including geohydrologic investigations, well assessments, water quality monitoring, water well test drilling programs and the supervision of water well projects including: design and construction, water quality sampling and analyses, and well rehabilitation/redevelopment.

Selected Project Experience

City of Oceanside: IPR Injection Well Exploratory Drilling
Edween is providing field support to help identify the optimal locations for injection wells in Oceanside. He is currently investigating and overseeing well drilling at three locations.

City of Huntington Beach: Well 1 Replacement
Edween performed well destruction and replacement for the City of Huntington Beach. He supported design efforts for well casing, screen, filter pack, and annular seal. During construction, he attended field meetings and worked with the contractor to inspect conductor bore hole drilling, casing installation, and the sanitary seal. He also sampled and logged soil cuttings, inspected aquifer zone testing for yield and water quality, and performed mechanical grading analyses. Once constructed, Edween inspected final development by pumping and surging and aquifer pumping tests.

California American Water: Monterey Peninsula Water Supply Project
The Monterey Peninsula Water Supply Project (MPWSP) is a multifaceted project to improve water supply and reliability to the Monterey Peninsula. Edween is providing weekly and quarterly monitoring and water quality testing for the slant wells that feed into the desalination plant. Drilled at an angle, the well pull ocean water from beneath the ocean floor, protecting ocean wildlife and improving feed water quality.

Elsinore Valley Municipal Water District: Near Term Water Supply Program
Edween is supporting our team and performing field observation, preparing specifications, and preparing contractor bid documents for three water well rehabilitation projects.

Rancho California Water District: Well 231 Replacement
Edween is supporting field efforts to replace Well 231 for Rancho California Water District. He attends field meetings, inspects isolated aquifer zone testing for yield and water quality, reviews lithology, performs mechanical grading analyses; and inspects casing, screen, filter pack, and annular steel installation. He also prepares field reports and the well summary report.

Rancho California Water District: Well Observation and Construction Management Services for Wells 210, 215 and 216
Edween performed construction management, observation and support for three new wells. Once wells were installed, he performed final development including pumping and surging.

Rancho California Water District: Annual Water Audit for Fiscal Year 2017-2018
Almost half of the annual water needed by the Rancho California Water District is produced from saturated alluvial deposits through a system of 100 deep wells. Geoscience conducts annual water audits to recommend ground water production for the following water year. Edween helped prepare an annual report for the 2017-2018 water year that documented data and provided pumping and schedule recommendations.

Rancho California Water District: New Well 240, Well 205 Replacement
Edween oversaw drilling and well installation for Rancho California Water District. He inspected pilot borehole drilling and performed soil sampling and logging. He helped evaluate geophysical bore-hole logs to select zones for aquifer zone testing and inspected isolated zone tests for yield and water quality. At the conclusion of well installation, he inspected final development including pumping and surging, and collected water quality samples.

Seth Kuiper
Field Observer

Years of Experience: 3
Years with Geoscience: 2

Eduction:
BA, Geology, Calvin College, Michigan

MS, Geosciences/Hydrogeology, Western Michigan University, Kalamazoo

Professional Registrations:
Geologist-in-Training

Status:
Full-time employee

What Seth brings to the project...

- Field experience and familiarity with groundwater models—help provide more accurate field data and monitoring

Seth has performed well construction observation for tasks such as pilot borehole drilling and reaming, casing observation and installation, air lifting and swabbing, development by pumping, and down-hole video logging. Performed water quality sample collection of ground water and surface water. Types of wells include: high capacity municipal water supply wells, test boreholes, and monitoring wells using the reverse rotary drilling method. Prepared well designs based on data collected during the drilling process, provided final pump design recommendations, and final summary reports. Performed geohydrologic investigations.

Selected Project Experience

California American Water: Monterey Peninsula Water Supply Project
The Monterey Peninsula Water Supply Project (MPWSP) is a multifaceted project to improve water supply and reliability to the Monterey Peninsula. Seth is providing weekly and quarterly monitoring and water quality testing for the slant wells that feed into the desalination plant. Drilled at an angle, the well pulls ocean water from beneath the ocean floor, protecting ocean wildlife and improving feed water quality.

City of Huntington Beach: Well 1 Replacement
Seth performed well destruction and replacement for the City of Huntington Beach. He supported design efforts for well casing, screen, filter pack, and annular seal. He also performed mechanical grading analyses and inspected chlorine injection.

Elsinore Valley Municipal Water District: Near Term Water Supply Program
Seth is supporting our team and performing field observation, preparing specifications, and preparing contractor bid documents for three water well rehabilitation projects.

Rancho California Water District: Well Observation and Construction Management Services for Wells 210, 237 and 216
Seth oversaw final development for three wells including pumping and surging.

Rancho California Water District: Well 231 Replacement
Seth supported field efforts to replace Well 231 for Rancho California Water District. He participated in field meetings, inspected pilot hole drilling, collected soil samples, and oversaw isolated aquifer zone testing for yield and water quality. He also prepared field reports and the well summary report.

West Valley Water District: IVDA Well Characterization
Seth performed well characterizations at three IVDA wells near Norton Air Force Base in San Bernardino. He compiled and reviewed data, and completed characterization under static conditions be performing video inspections and measuring casing thickness.

Rancho California Water District: Annual Subsidence Monitoring
Geoscience conducts annual subsidence reporting for the district, and reviews current hydrogeological data to recommend actions needed to mitigate land subsidence. Seth conducts research and compiles/analyzes data to support the annual subsidence report.

Western Municipal Water District: Arlington Area Well Siting
Seth supports our team on an ongoing well siting study located in the Arlington Basin. He analyzes the necessary criteria using GIS software to select potential injection well locations.

Pico Water District: Well Siting Study
Seth supported efforts to draft a well siting assessment report for the Pico Water District by analyzing the viability of multiple well locations.

Angus Petroleum: Monitoring Well Sampling
Seth oversees monthly groundwater sampling and prepared monthly reports outlining groundwater sampling and monitoring results.

Wesley Massoll,
Field Observer

Years of Experience: 2
Years with Geoscience: 2

Eduction:
BA, Geology, University of North Carolina, Wilmington

MS, Geology, University of North Carolina, Wilmington

Status:
Full-time employee

What Wesley brings to the project...

- Field experience and familiarity with groundwater models—help provide more accurate field data and monitoring

Wesley has performed geohydrologic investigations, well assessments, water quality monitoring, water well test drilling programs and the supervision of water well projects including: design and construction, water quality sampling and analyses, and well rehabilitation/redevelopment.

Selected Project Experience

Orange County Water District: Alamitos Barrier Improvement Project
This project consists of the construction of 17 new injection wells, four (4) nested monitoring wells, and two (2) piezometers. The injection wells will serve to increase the capacity and effectiveness of the existing seawater barrier system. Wesley performed onsite observation during well construction and development.

California American Water: Monterey Peninsula Water Supply Project
The Monterey Peninsula Water Supply Project (MPWSP) is a multifaceted project to improve water supply and reliability to the Monterey Peninsula. Wesley performs weekly and quarterly monitoring and water quality testing for the monitoring network and test slant well. Drilled at an angle, the slant well pulls ocean water from beneath the ocean floor, protecting ocean wildlife and improving feed water quality. Wesley also managed three years of continuous monitoring data, and helped develop the well completion report.

Angus Petroleum: Continuous Monitoring
Wesley helped create the Angus Monitoring Well Continuous Water Quality Data Sheet for in house analysis, compilation, and evaluation of all Angus Petroleum Monitoring Well Water Quality Data. Communicates with DOGGRs and addresses their comments. He also helps collect monitoring well data and complete monthly water quality and monitoring reports.

Elsinore Valley Municipal Water District: Hydrogeologic Study of the Warm Springs Groundwater Basin
Wesley helped develop a HSPF model based upon the available precipitation, land use, and soil classification data.

Rancho California Water District: Well 231 Replacement
Wesley is supporting field efforts to replace Well 231 for Rancho California Water District. He attends field meetings, inspects isolated aquifer zone testing for yield and water quality, reviews lithology, performs mechanical grading analyses; and inspects casing, screen, filter pack, and annular steel installation. He also prepares field reports and the well summary report.

Rancho California Water District: Well 124 Replacement
Wesley is supporting field efforts to replace Well 124 for Rancho California Water District. He attends field meetings, inspects isolated aquifer zone testing for yield and water quality, reviews lithology, performs mechanical grading analyses; and inspects casing, screen, filter pack, and annular steel installation. He also prepares field reports and the well summary report.

City of Oceanside/RMS: Mission Basin Model Update and Evaluation of Indirect Potable Reuse
Wesley supported field efforts to develop a geologic and hydrologic conceptual model and a groundwater flow and solute transport model for a 22 square mile area covering the entire Mission Groundwater Basin near Oceanside California.

Wesley Massoll,
Field Observer

Years of Experience: 2
Years with Geoscience: 2

Eduction:
BA, Geology, University of North Carolina, Wilmington

MS, Geology, University of North Carolina, Wilmington

Status:
Full-time employee

What Wesley brings to the project...

- Field experience and familiarity with groundwater models—help provide more accurate field data and monitoring

Wesley has performed geohydrologic investigations, well assessments, water quality monitoring, water well test drilling programs and the supervision of water well projects including: design and construction, water quality sampling and analyses, and well rehabilitation/redevelopment.

Selected Project Experience

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City of Oceanside/RMS: Mission Basin Model Update and Evaluation of Indirect Potable Reuse
Wesley supported field efforts to develop a geologic and hydrologic conceptual model and a groundwater flow and solute transport model for a 22 square mile area covering the entire Mission Groundwater Basin near Oceanside California.

Alex Arita
Field Observer

Years of Experience: 2
Years with Geoscience: 2

Eduction:
BS, Geological Science, California State University, Fullerton

Status:
Full-time employee

What Alex brings to the project...

- Field experience and familiarity with groundwater models—help provide more accurate field data and monitoring

Alex has been involved in many different types of well projects, well assessments, groundwater level monitoring, water well test drilling programs, well rehabilitation, and new construction. He performs field supervision during well design and construction, water quality sampling and analyses, and well rehabilitation/redevelopment.

Selected Project Experience

Rancho California Water District, Well No. 102
Alex completed comprehensive Drinking Water Source Assessment and Protection documentation for Well No. 102. Initially, the well was only contributing to the district's recycled water system. To convert the well to potable water use, the district needed to know water source measurements to be able to prioritize and direct source water protection measures for safer potable water. The types of tests conducted by Alex included: calculations for the fix radius and physical barrier effectiveness. He generated shape files for the capture zones, which identified the types of Possible Contaminating Activities (PCA) that occurred within the ground water protection areas surrounding the well. He also worked on K tables to rank PCA risks.

GWS #4 Development, LLC., Warren Well No. 4R, San Bernardino
Alex oversaw drilling, logged soil samples, and performed mechanical grading analyses for a new groundwater production well. He also performed construction to successfully install conductor casing and sanitary seal. During isolated zone testing, he inspected zone tools, screens, the filter pack, and annular steel installation to produce data on yield and water quality. He also helped develop the well design letter which summarized the results of pilot borehole drilling, zone testing, and provided options for a casing, screen, and gravel pack design for the new well for the client.

West Valley Water District (WVWD), Phase II Characterization
Our team helped West Valley Water District to evaluate the production potential and water quality several potential well sites. After the sites were acquired, Alex supported field rehabilitation and helped optimize water production for the wells. He supported well development, oversaw aquifer pump tests, spinner survey, and performed composite and depth-specific groundwater quality sampling. Alex then verified production data and made recommendations to improve well production and efficiency.

Elsinore Valley Municipal Water District (EVMWD), Near Term Supply Program
Alex supported field testing efforts for two wells (Cereal Well #3 and Summerly Well) for the district. Cereal Well #3 rehabilitation work and aquifer pumping test were performed to optimize water production and included pumping and surging and chemical rehabilitation. Testing for Summerly Well included aquifer pump tests to determine short and long term sustainable production for the client. Alex also developed recommendations including installing an inflatable packer to maximize production from the lower screened intervals while preventing cascading water and subsequent air entrainment from the uppermost screened interval.

Bellflower-Somerset Mutual Water Company, Leahy Avenue Well
Alex supported efforts to install a new groundwater well to replace an inactive well impacted by groundwater contaminants exceeding regulatory limits. Alex oversaw well development, well and aquifer testing, flowmeter survey, and supported parts of the well completion report.

Pico Water District (PWD), PWD Well No. 11
The district installed Well No. 11 to improve the existing water supply system's reliability and efficiency. Because of the age of the district's existing four wells, long-term reliability was a concern. During field construction oversight, reaming, casing and screen installations, filter pack oversight and well development were performed. He participated in well and aquifer testing, flowmeter survey, plumbness and alignment survey, downhole video, supported well completion reports, and well disinfection.

California Department of Water Resources (DWR), Perris Dam Seismic Remediation
In collaboration with the CA Department of Water Resources, a relief well system was developed as a part of a statewide effort to reduce seismic risks to Perris Dam. As part of a team, Alex provided onsite observation to rehabilitate and/or install close to 70 dewatering wells. Alex supervised redevelopment by swabbing, airlifting, and pumping. He also measured groundwater level changes in surrounding wells during constant rate pumping to assess well interference.

Project References

Bellflower-Somerset Mutual Water Company, Leahy Avenue Well

Bellflower, CA

The project's preliminary design phase was completed in 2013 however due to permitting issues, the project was delayed for five years. Geoscience worked with the water company to modify the schedule and budget to get the project back on track and completed. We successfully resolved permitting issues that previously delayed the project and oversaw efforts to demolish an existing well onsite that was taken off-line because of high arsenic levels.

Our team developed specifications, oversaw pilot borehole drilling, designed, and oversaw well construction and development. Prior to completing the final design our team performed isolated zone testing (temporarily sealing portions of the well and only pumping in certain zones) to determine area where the well should pump to maximize quality, production, and pumping costs.

The project successfully met the new schedule and budget, and produces more than 3,500 gpm, with a specific capacity of 60 gpm/ft—meeting all water quality and production objectives.

Project Data

Client: Bellflower-Somerset Mutual Water Company
Client Contact: Steve Lenton
Address: 10016 Flower St, Bellflower, CA 90706
Phone: (562) 866-9980
Email: steve@bsmwc.com
Project Date: 2013-2018

Pico Water District, New Well 11

Pico Rivera, CA

Well 11 is located in the Central Subbasin within the City of Pico Rivera. Geoscience completed a well-siting assessment, developed plans and specifications, provided bidding assistance, and supported permitting efforts. Site selection was challenges due to economic feasibility considerations. Our team worked with the District to identify and implement solutions to integrate the new well into the existing system and meet the project schedule.

We completed Drinking Water Source Assessment and Protection reporting for the project and oversaw well construction, testing, and development activities in the field. The project was completed in 2018.

Project Data

Client: Pico Water District
Client Contact: Mark Grajeda
Address: 4843 Church Street, Pico Rivera, CA 90660
Phone: (562) 692-3756
Email: msgrajeda@picowaterdistrict.net
Project Date: 2018

City of Huntington Beach, Well No. 1 Replacement

Huntington Beach, CA

The City of Huntington Beach gets between 50% and 70% of its water supply from groundwater. Well No. 1 was originally built in 1962, and at 306 feet below ground surface (bgs) could produce 500 gallons per minute (gpm). After 50 years of operation, the well was taken off-line due reduces pumping rates and deterioration. Because of its age and generally poor condition, rehabilitation was not feasible and a new well was constructed at the same site.

Our team designed, provided continuous construction supervision, and oversaw development and testing for the new well. At 850 feet bgs, the finished well has four production zones and can produce 2,500 gpm—1,000 gpm more that initial estimates.

The project was conducted in two phases. Phase one constructed the well and was completed form March to May of 2017. Phase two is site construction and improvements and is currently in progress.

Project Data

Client: City of Huntington Beach
Client Contact: Andrew Ferrigno
Address: 2000 Main Street, Huntington Beach, CA 92648
Phone: (714) 536-5291
Email: aferrigno@surfcity-hb.org
Project Date: 2017

Orange County Water District, Alamitos Barrier Improvement Project

Orange County, CA

The Alamitos Barrier Project started in 1965 to control seawater intrusion into the Central and Orange County Groundwater Basin. After 50 years of operation, increased demand increased seawater intrusion, impacting potable water wells. In 2015, Orange County Water District selected Geoscience to provide Construction Management and professional geologic services to **design and construct 17 new injection wells, four nested monitoring wells, and two shallow piezometers.** The injection wells will serve to increase the capacity and effectiveness of the existing Alamitos seawater barrier system. Our team managed the project scope, schedule, and budget while providing managing and overseeing the construction contractors. The well drilling commenced in late March 2016, and the well equipping phase is anticipated to be completed in mid-2018.

This project is a few miles from the coast and as a result presented borehole stability issues. Our team worked with the drilling contractor to oversee a strict drilling fluid program. Using the program 17 wells were installed in difficult soil conditions without a single collapse.

Project Data

Client: Orange County Water District
Client Contact: Gary Yoshiba, Hydrogeologist
Address: 18700 Ward St., Fountain Valley, CA 92708
Phone: (714) 378-3205
Email: gyoshiba@ocwd.com
Project Date: 2016 - 2017

Elsinore Valley Municipal Water District, Well Rehabilitation

Riverside County, CA

The Elsinore Valley Municipal Water District was founded in 1950 and provides water service to the City of Lake Elsinore and surrounding communities. Currently, the district serves more than 45,000 water, wastewater, and agricultural connections. Geoscience recently provided recommendations and oversaw well rehabilitation for five existing wells, and is currently rehabilitating three wells for the district.

During the recent rehabilitation efforts for five wells, our team provided rehabilitation recommendations, helped develop contractor specifications, and oversaw well rehabilitation including:

- Video surveys
- Brushing and bailing
- Chemical rehabilitation
- Development by swabbing and airlift
- Pump and surge testing
- Aquifer pump tests
- Water quality sampling

At the conclusion of each well rehabilitation, our team provided recommended operation parameters and suggestions for future monitoring.

To date we have completed well rehabilitation for Flagler Wells 1A and 2A, Cereal Wells No. 1 and No. 3, the Terra Cotta Well, Summerly Well, Mayhew Well, and Machado Well. Our team also developed rehabilitation specifications for the Diamond well and are currently reviewing contractor submittals prior to beginning rehabilitation activities. We are also developing specifications for two new wells.

Project Data

Client: Elsinore Valley Municipal Water District
Client Contact: Amy Czajkowski
Address: 31315 Chaney Street, Lake Elsinore, CA 92530
Phone: (951) 674-3146
Email: aczajkowski@iecorporation.com
Project Date: 2016 - Present

8 wells

We oversaw rehabilitation on eight wells

2

We are currently developing specifications for two new groundwater production wells

Subconsultants

Geoscience is capable of preforming all services required to complete this project therefore, subconsultants shall not be utilized.

Table 1

Cost Proposal for Professional Hydrogeological and Engineering Services Related to Design, Construction Management, and Supervision Services
City of Lakewood Well No. 28

Task Description			GEOSCIENCE SUPPORT SERVICES, INC.								
			Principal Hydrologist	Senior Geohydrologists	Project Manager/Project Geohydrologists	Staff Geohydrologist	GIS/Technical Illustrator	Clerical	Labor	Reimbursable Expenses[1]	Total Cost
		Hourly Rate:	$250	$205	$175	$145	$119	$100			
1.0	**PROJECT MANAGEMENT AND MEETINGS**										
	1.1	Project Management and Administration	2	12	20				$ 6,460	$ -	$ 6,460
	1.2	Prepare for and Attend One (1) "Kick-Off" Meeting		8					$ 1,640	$ 50	$ 1,690
	1.3	Prepare for and Attend One (1) Design Meeting with City and Project Team to Discuss Final Well Design Recommendations	2	6					$ 1,730	$ 50	$ 1,780
		Subtotal	*4*	*26*	*20*	*0*	*0*	*0*	*$ 9,830*	*$ 100*	*$ 9,930*
2.0	**PRELIMINARY DESIGN, TECHNICAL PLANS AND SPECIFICATIONS, PERMITTING, AND BIDDING ASSISTANCE**										
	2.1	Prepare a Preliminary Well Design Report (PDR), Inclusive of Field Reconnaissance of Site, Preliminary Well Design, Engineer's Estimate, Expected Geohydrologic Conditions, Drilling Logistics, Discharge Considerations, Noise Abatement, Suitability for use of Glass Bead Filter Pack, etc. (assumes electronic copy of 100% DRAFT version and three [3] bound hard copies of 100% FINAL version)	4	24	40	80	12	4	$ 26,348	$ -	$ 26,348
	2.2	Prepare Detailed Technical Plans and Specifications for Drillings and Construction Well No. 28, (assumes 100% Design level submitted electronically and submittal of electronic and three [3] bound hard copies of 100% FINAL version)	2	4	16	24	20	4	$ 10,380	$ -	$ 10,380
	2.3	Provide Permit Assistance to City and Contractor Prior to and During Construction Activities, Including but not limited to Coordination with Local Regulators (i.e., encroachment permitting, etc.), NPDES, AQMD, County Flood Control, DDW, and County Health Department.		8	16				$ 4,440	$ 500	$ 4,940
	2.4	Provide Assistance to the City, as Necessary, with the California Environmental Quality Act (CEQA)		8	8				$ 3,040	$ -	$ 3,040
	2.5	Prepare PRELIMINARY and FINAL Drinking Water Source Assessment Program (DWSAP) Documents (electronic copy and three (3) bound hard copies of both the PRELIMINARY and FINAL documents)		4	8	20	6	2	$ 6,034	$ 350	$ 6,384
	2.6	Provide Assistance During Bidding Process and Attend Pre-Bid Meeting (includes response to bidder questions, prepare bid addenda and clarifications, and evaluation of Bids)		8	12				$ 3,740	$ -	$ 3,740
		Subtotal	*6*	*56*	*100*	*124*	*38*	*10*	*$ 53,982*	*$ 850*	*$ 54,832*
3.0	**CONSTRUCTION MANAGEMENT AND ONSITE FIELD SUPERVISION[2,3]**										
	3.1	Provide Construction Management (includes contractor submittal review, response to RFIs, construction updates, invoice review, change order review, and preparation of a final "punch list")	2	10	24				$ 6,750	$ -	$ 6,750
	3.2	Pre-Construction Meetings and Pre-Mobilization Coordination with Contractor		8	8				$ 3,040	$ 100	$ 3,140
	3.3	On-site Field Supervision of Conductor Borehole Drilling, Casing Installation, and Sanitary Seal (assumes full-time inspection)		1		14			$ 2,235	$ 145	$ 2,380
	3.4	On-site Field Supervision of Pilot Borehole Drilling, Sampling of Cuttings, and Geophysical Borehole Logging (assumes part-time field supervision)	1	2	4	72			$ 11,800	$ 870	$ 12,670
	3.5	Evaluate Geophysical Borehole Logs, Select Zones for Isolated Aquifer Zone Testing (assumes four [4] zones)	1	4	8				$ 2,470	$ -	$ 2,470

Table 1

Cost Proposal for Professional Hydrogeological and Engineering Services Related to Design, Construction Management, and Supervision Services
City of Lakewood Well No. 28

Task Description			GEOSCIENCE SUPPORT SERVICES, INC.								
			Principal Hydrologist	Senior Geohydrologists	Project Manager/Project Geohydrologists	Staff Geohydrologist	GIS/Technical Illustrator	Clerical	Labor	Reimbursable Expenses[1]	Total Cost
		Hourly Rate:	$250	$205	$175	$145	$119	$100			
	3.6	On-site Field Supervision of Isolated Aquifer Zone Testing for Yield and Water Quality (assumes part-time inspection of four [4] zones) - Assumes 32 Hours per zone	1	8	16	104			$ 19,770	$ 1,160	$ 20,930
	3.7	Review Lithology and Perform Mechanical Grading Analyses (assumes 10 samples)		1	2	12			$ 2,295	$ -	$ 2,295
	3.8	Prepare Design of Casing, Screen, Filter Pack, and Annular Seal	2	10	16				$ 5,350	$ -	$ 5,350
	3.9	On-site Field Supervision of Reaming (Enlargement) of Pilot Borehole and Caliper Survey (assumes part-time inspection)		2	4	50			$ 8,360	$ 580	$ 8,940
	3.10	On-site Field Supervision of Installation of Casing, Screen, Filter Pack, and Annular Seal (assumes full-time inspection)	1	2	4	60			$ 10,060	$ 725	$ 10,785
	3.11	On-site Field Supervision of Initial Development by Swabbing and Airlifting (assumes 460 ft of perforated interval; part-time inspection)		2	4	60			$ 9,810	$ 580	$ 10,390
	3.12	On-site Field Supervision of Final Development by Pumping and Surging (assumes part-time supervision)	1	2	2	40			$ 6,810	$ 580	$ 7,390
	3.13	On-site Field Supervision of Aquifer Pumping Tests, Spinner Survey, Collect Title 22 Water Quality Samples, and Deliver to Lab (part-time inspection of step test, 24-hour constant rate test, and recovery measurements)	1	2	2	36			$ 6,230	$ 435	$ 6,665
	3.14	On-site Field Supervision of Downhole Video Survey, Plumbness and Alignment Surveys, and Final Disinfection (full-time inspection)		1	2	26			$ 4,325	$ 290	$ 4,615
	3.15	On-site Field Supervision of Wellhead Completion, Post-Construction Site Condition, and Prepare Project Close-Out Documents	1	8		4			$ 2,470	$ -	$ 2,470
	3.16	Evaluate Aquifer Pumping Test Analyses and Prepare Letter Presenting Recommendations for Pump Setting, Design Discharge Rate, and Estimated Drawdown Conditions)	2	8	16				$ 4,940	$ -	$ 4,940
		Subtotal	*13*	*71*	*112*	*478*	*0*	*0*	*$ 106,715*	*$ 5,465*	*$ 112,180*
4.0	**WELL COMPLETION SUMMARY REPORT**										
	4.1	Prepare Comprehensive Well Summary Report for the Newly Completed Well (assumes 100% FINAL submittal in electronic and three (3) bound copies per well)	1	8	16	24	24	4	$ 11,426	$ 100	$ 11,526
		Subtotal	*1*	*8*	*16*	*24*	*24*	*4*	*$ 11,426*	*$ 100*	*$ 11,526*
		TOTAL HOURS AND COST (TASKS 1-4):	**24**	**161**	**248**	**626**	**62**	**14**	**181,953**	**6,515**	**188,468**

Notes:

[1] Reimbursable expenses include mileage, field per diem at $145/day, EDR report; permit application fees, and report reproduction costs.

[2] All well construction supervision costs assume a total pilot borehole depth of approximately 1,300 ft below ground surface and reamed borehole depth of 1,000 ft below ground surface. Conductor installation, pilot borehole drilling, and well construction inspection is provided on a full-time basis. All other inspection is part-time. Additional inspection beyond that outlined in this cost proposal can be provided, as necessary, on a time and materials basis.

[3] Laboratory costs for ground water quality analyses are not included.

It should be noted that additional costs, which cannot be foreseen at this time, are sometimes incurred due to equipment breakdowns on the part of the drilling contractor, and/or problems in material procurement or construction. Additional inspection hours for such field-related problems are not included in the above costs.

GEOSCIENCE is aware of the requirements of California Labor Code Sections 1720 et seq. and 1770 et seq., which require the payment of prevailing wage rates and the performance of other requirements on certain "public works" and "maintenance" projects.
The work GEOSCIENCE performs does not fall under prevailing wage rate categories.

AGREEMENT
FOR
PROFESSIONAL SERVICES
CONSULTING SERVICES FOR WATER WELL #28 DRILLING PROJECT

THIS AGREEMENT, made and entered into on August 13, 2019, by and between the CITY OF LAKEWOOD, a municipal corporation, sometimes hereinafter referred to as "CITY", and Geoscience Support Services, Inc., sometimes hereinafter referred to as "CONSULTANT".

W I T N E S S E T H:

WHEREAS, CITY desires to retain CONSULTANT for Consulting Services for Water Well #28 Drilling Project in connection with the work hereafter described; and

WHEREAS, CONSULTANT has the necessary skills and qualifications and licenses required by law to perform the services required under this Agreement in connection with said work; and

WHEREAS, the City Council at a regular meeting held on August 13, 2019 authorized the Mayor and the City Clerk to enter into this Agreement; and

NOW, THEREFORE, it is hereby agreed by and between the parties that:

1. DEFINITIONS. As used in this Agreement, the following definitions shall be applicable:

   A. Consultant. CONSULTANT shall mean:
   Geoscience Support Services, Inc.
   Suite 2000
   620 East Arrow Hwy
   La Verne, CA 91750
   909.451.6650

   B. City. CITY shall mean the City of Lakewood, a municipal corporation, 5050 Clark Avenue, Lakewood, California, 90712.

   C. City Council. City Council shall mean the City Council of the City of Lakewood.

   D. Services. Services shall mean the professional services to be performed by CONSULTANT pursuant to this Agreement.

2. SCOPE OF SERVICES. CONSULTANT agrees to provide for CITY at its own cost and expense when requested by CITY those services set forth in CONSULTANT'S written proposal dated July 11, 2019, attached hereto and made a part hereof as though set forth in full.

3. TIME FOR PERFORMANCE. It is understood and agreed by and between the parties hereto that time is of the essence. CONSULTANT agrees to diligently and reasonably pursue the

performance of the services required by this Agreement. Unless otherwise agreed to by CITY and CONSULTANT, all scope of services and deliverables are scheduled to be completed by June 30, 2022.

4. COMPENSATION FOR SERVICES. For and in consideration of the professional services performed by CONSULTANT and when approved by CITY, CITY agrees to pay to CONSULTANT a sum not to exceed ONE HUNDRED EIGHTY-NINE THOUSAND DOLLARS AND NO CENTS ($189,000) on a time and material basis, at a rate determined in Table 1 of the attached proposal, for services actually rendered.

The aforementioned consideration shall be paid to CONSULTANT upon completion of each phase and submission of CONSULTANT'S statement of time expended and the applicable rate to be charged addressed to CITY'S Director of Water Resources. No payment shall be made until the aforementioned work has been certified by the Director of Water Resources as having been completed in accordance with the applicable rate.

5. INDEPENDENT CONTRACTOR. It is expressly understood and agreed that CONSULTANT has been retained, at its request, as an independent contractor, as distinguished from an employee or agent of CITY to perform the aforementioned services. CONSULTANT acknowledges the independent contractor relationship and releases CITY from any liability or obligation to make deductions or withholding from his compensation in respect to unemployment, income taxes, disability, social security, health or pension matters.

CONSULTANT acknowledges its independent contractor's status in performing said services, and agrees to bear the risk of property damage or loss to any property arising out of the work site, the place to work, or duties bestowed on CONSULTANT pursuant to this Agreement, and does hereby release CITY, its officers and personnel from any liability to CONSULTANT for any loss or damage thereby incurred, except where said loss or damage was caused by CITY.

In the performance of this agreement, CONSULTANT shall comply with all applicable provisions of the California Fair Employment Practices Act, California Labor Code Sections (410 et seq.) and the applicable equal employment provisions of the Civil Rights Act of 1964 (42 U.S.C. 200e 217), whichever is more restrictive.

6. TERMINATION. CITY may terminate this Agreement at any time by giving CONSULTANT at least thirty (30) days prior written notice. In the event of termination, CITY shall pay CONSULTANT the total value of the services of CONSULTANT to the final date of termination, computed in accordance with the terms and provisions of this Agreement, provided, however, that the same does not in any case exceed the maximum amount hereinbefore set forth for payment of consideration. Except as herein provided, this Agreement shall continue until a notice of completion is filed for the construction of drilling a new well.

7. TERM. This Agreement shall be for a term commencing on the date listed on page one of this Agreement, terminating June 30, 2022 unless sooner terminated as hereinbefore provided.

8. ASSIGNMENT AND SUBCONTRACTING. Notwithstanding any provision of this Agreement to the contrary, CONSULTANT shall not assign, subcontract or transfer any part or portion of this Agreement, or any responsibility hereunder, without the prior written consent of CITY.

9. COMPLETION OF MANIFEST DOCUMENTS. It is further agreed by and between the parties hereto that CONSULTANT pursuant to this Agreement shall assist with the required documentation to accompany proper disposal of hazardous materials.

10. LIABILITY. CONSULTANT agrees to assume liability, and defend and indemnify CITY, Council, its officers, consultants and employees, from any loss, cost or expense caused by the negligent or wrongful act or omission of CONSULTANT, its agents and employees, or its subcontractors and the agents and employees thereof, for or on account of any injury, death, or damage sustained because of or arising out of services performed by CONSULTANT. During the term of the Agreement, CONSULTANT shall maintain in full force and effect, and deposit with CITY, insurance or a Certificate of Insurance, which shall evidence the fact that CONSULTANT has in full force and effect a comprehensive personal injury and property damage policy protecting CONSULTANT and CITY. CONSULTANT shall furnish proof of insurance for general liability, workers' compensation, business automobile liability, and professional liability for $1,000,000 each in a form acceptable to the City Attorney. The insurance certificate shall name CITY as additional insured and contain a provision that it cannot be cancelled without at least 30-day notice to CITY.

11. ASSUMPTION OF RISK. CONSULTANT does hereby assume all risks to itself, its personnel, subcontractors and agents, and any employees thereof, of personal injury or death, and all risk of property damage or loss to any property, wares, vehicles, or materials owned or possessed by CONSULTANT and CONSULTANT further releases CITY, its officers and employees, from any liability therefor.

12. PREVAILING RATE OF WAGES. CITY has obtained from the Department of Industrial Relations, State of California, the prevailing rate of per diem wage, and the general prevailing rate for holiday and overtime work in the locality in which this work is to be performed for each craft, classification or type or workmen needed to carry out this agreement. In that regard pursuant to Section 1773 of the Labor Code, holidays, upon which such rate shall be paid, need not be specified in this agreement, but shall be all holidays recognized in the collective bargaining agreement applicable to the particular craft, classification or type or workmen employed on the project. Copies of the prevailing rate of per diem wages are on file at the Public Works office, City Hall, and are available to any interested party upon request. Referenced hereto and made a part hereof as though set forth in full are rates applicable to this project and contract, and the contractor shall pay not less than the minimum thereof.

13. SAFETY. CONSULTANT shall be solely responsible for the safety of its employees. CONSULTANT shall develop and maintain an Injury and Illness Prevention Program (IIPP) in accordance with the Cal/OSHA requirements contained in the California Code of Regulations, Title 8 Section 3203 (CCR T8 Section 3203), "Injury and Illness Prevention Program." CONSULTANT shall provide safety, health, and job skills training so as to provide a safe and healthful workplace, and meet all applicable Cal/OSHA requirements. CONSULTANT shall maintain all OSHA 300 logs and records, and make them available for inspection upon request by CITY.

14. RESERVATION OF RIGHTS. Nothing in this Agreement shall be deemed to bind CITY to any course of conduct other than its obligation hereunder to pay CONSULTANT for said services as rendered. It is understood CITY reserves complete right within its discretion to reject all or any part of any recommendation made to it or submitted by CONSULTANT, and in that regard the only responsibility of CITY shall be to pay CONSULTANT for services as rendered. It is further understood that acceptance herein by CITY of any recommendation by CONSULTANT shall be for the purpose of compensating CONSULTANT only, and shall not be binding on CITY as to any further course of action. CITY reserves the right to authorize additional, other independent CONSULTANT services, and it is agreed that CONSULTANT does not have any exclusive rights to said services CITY.

15. LICENSES. CONSULTANT shall obtain a City of Lakewood Business License and submit a copy of project managers' license as a Professional Civil Engineer or Certified Hydrogeologist in the State of California.

16. NOTICE. Any notice required to be given hereunder shall be deemed to have been given by depositing said notice in the United States mail in an envelope bearing the proper amount of postage thereon, and addressed as follows:

TO CITY:
City of Lakewood
5050 Clark Ave
Lakewood, California 90712

TO CONSULTANT:
Geoscience Support Services, Inc.
Suite 2000
620 East Arrow Hwy
La Verne, CA 91750

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed the day and year first above written.

CITY OF LAKEWOOD

By: _____
Mayor

ATTEST:

_____
City Clerk

GEOSCIENCE SUPPORT SERVICES, INC.

Signature:_____

Print Name: _____

APPROVED AS TO FORM: