



AGENDA

Garden Grove City
Council

Tuesday, March 13, 2018

6:30 PM

Community Meeting
Center, 11300 Stanford
Avenue, Garden Grove,
CA 92840

Steven R. Jones

Mayor

Kris Beard

Mayor Pro Tem - District 1

John R. O'Neill

Council Member - District 2

Thu-Ha Nguyen

Council Member - District 3

Patrick Phat Bui

Council Member - District 4

Stephanie Klopfenstein

Council Member - District 5

Kim B. Nguyen

Council Member - District 6

Meeting Assistance: Any person requiring auxiliary aids and services, due to a disability, to address the City Council, should contact the City Clerk's Office 72 hours prior to the meeting to arrange for accommodations. Phone: (714) 741-5040.

Agenda Item Descriptions: Are intended to give a brief, general description of the item. The City Council may take legislative action deemed appropriate with respect to the item and is not limited to the recommended action indicated in staff reports or the agenda.

Documents/Writings: Any revised or additional documents/writings related to an item on the agenda distributed to all or a majority of the Council Members within 72 hours of a meeting, are made available for public inspection at the same time (1) in the City Clerk's Office at 11222 Acacia Parkway, Garden Grove, CA 92840, during normal business hours; (2) on the City's website as an attachment to the City Council meeting agenda; and (3) at the Council Chamber at the time of the meeting.

Public Comments: Members of the public desiring to address the City Council are requested to complete a **pink speaker card** indicating their name and address, and identifying the subject matter they wish to address. This card should be given to the City Clerk prior to the start of the meeting. General comments are made during "Oral Communications" and should be limited to matters under consideration and/or what the City Council has jurisdiction over. Persons wishing to address the City Council regarding a Public Hearing matter will be called to the podium at the time the matter is being considered.

Manner of Addressing the City Council: After being called by the Mayor, you may approach the podium, it is requested that you state your name for the record, and proceed to address the City Council. All remarks and questions should be addressed to the City Council as a whole and not to individual Council Members or staff members. Any person making impertinent, slanderous, or profane remarks or who becomes boisterous while addressing the City Council shall be called to order by the Mayor. If such conduct continues, the Mayor may order the person barred from addressing the City Council any further during that meeting.

Time Limitation: Speakers must limit remarks for a total of (5) five minutes. When any group of persons wishes to address the City Council on the same subject matter, the Mayor may request a

spokesperson be chosen to represent the group, so as to avoid unnecessary repetition. At the City Council's discretion, a limit on the total amount of time for public comments during Oral Communications and/or a further limit on the time allotted to each speaker during Oral Communications may be set.

PLEASE SILENCE YOUR CELL PHONES DURING THE MEETING.

AGENDA

ROLL CALL: COUNCIL MEMBER O'NEILL, COUNCIL MEMBER T. NGUYEN, COUNCIL MEMBER BUI, COUNCIL MEMBER KLOPFENSTEIN, COUNCIL MEMBER K. NGUYEN, MAYOR PRO TEM BEARD, MAYOR JONES

INVOCATION

PLEDGE OF ALLEGIANCE TO THE FLAG OF THE UNITED STATES OF AMERICA

1. PRESENTATIONS

- 1.a. Community Spotlight in recognition of the local students selected as ambassadors to represent Garden Grove in the 29th annual Sister City Exchange Program to Anyang, South Korea.

2. ORAL COMMUNICATIONS (to be held simultaneously with other legislative bodies)

3. WRITTEN COMMUNICATIONS

- 3.a. Consideration of proposed changes and request to waive annual fees associated with the Garden Grove Farmers Market on Main Street. (*Action Item*)

RECESS

CONDUCT OTHER LEGISLATIVE BODIES' BUSINESS

RECONVENE

4. CONSENT ITEMS

(Consent Items will be acted on simultaneously with one motion unless separate discussion and/or action is requested by a Council Member.)

- 4.a. Adoption of a Resolution establishing a Low-Income Senior Discount Program for water customers. (*Action Item*)
- 4.b. Adoption of a Resolution to add a new classification specification of Code Enforcement Supervisor and approval of salary schedule. (*Action Item*)
- 4.c. Approval of Amendment No. 4 to Cooperative Agreement No. C-1-2491 between the City of Garden Grove, the Korean American Senior Association of Orange County, and the Orange County

Transportation Authority for the Senior Mobility Program. (*Action Item*)

- 4.d. Approval to accept Fiscal Year 2016-17 Public Safety Realignment and Postrelease Community Supervision Funds for law enforcement services. (Amount: \$65,529) (*Action Item*)
- 4.e. Authorize issuance of a purchase order to National Auto Fleet Group for two (2) new Public Works pickups and one (1) new Public Works utility body truck. (Cost: \$89,219.55) (*Action Item*)
- 4.f. Award a contract to Richard Fisher Associates for the preparation of a Parks, Recreation and Facilities Master Plan. (Cost: \$159,641) (*Action Item*)
- 4.g. Approval of a Cooperative Agreement with the City of Westminster for a rehabilitation project on Westminster Boulevard from Newland Street to Magnolia Street. (Cost: \$173,231) (*Action Item*)
- 4.h. Receive and file minutes from the meeting held on February 27, 2018. (*Action Item*)
- 4.i. Approval of warrants. (*Action Item*)
- 4.j. Approval to waive full reading of Ordinances listed. (*Action Item*)

5. PUBLIC HEARINGS

(*Motion to approve will include adoption of each Resolution unless otherwise stated.*)

- 5.a. Introduction and first reading of an Ordinance enacting adjustments in water rates and charges and authorizing future automatic adjustments in water rates to account for adopted increases or decreases in wholesale charges the City pays to other agencies for water
Entitled:
An Ordinance of the City Council of the City of Garden Grove amending Sections 14.12.010 and 14.12.030 of Chapter 14.12 of Title 14 ("Water") of the Municipal Code relating to water rates and charges. (*Action Item*)

6. ITEMS FOR CONSIDERATION

- 6.a. Approval to accept Fiscal Year 2017-18 Supplemental Law Enforcement Services Account (SLESA) funds. (Amount: \$269,705) (*Action Item*)

7. MATTERS FROM THE MAYOR, CITY COUNCIL MEMBERS, AND CITY MANAGER

- 7.a. Discussion of agreement with Focus Media Group regarding bus benches as requested by the City Manager.

8. ADJOURNMENT

The next Regular City Council Meeting will be held on Tuesday, March 27, 2018, at 5:30 p.m. at the Community Meeting Center, 11300 Stanford Avenue, Garden Grove, California 92840.

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To:	Scott C. Stiles	From:	John Montanez
Dept.:	City Manager	Dept.:	Community Services
Subject:	Consideration of proposed changes and request to waive annual fees associated with the Garden Grove Farmers Market on Main Street. (<i>Action Item</i>)		
		Date:	3/13/2018

OBJECTIVE

To provide City Council with information on the proposed changes provided by Garden Grove Farmers Market Director, Ms. Lee Ostendorf, for the weekly Farmers Market on Main Street, and to transmit a letter from Ms. Ostendorf requesting approval to waive the annual fees associated with the weekly Farmers Market.

BACKGROUND

At the City Council meeting held on Tuesday, February 13, 2018, staff received direction to extend the annual permit for the weekly Farmers Market on Main Street for a period of 30 days, and to have the Director, Ms. Ostendorf, return back to City Council with a proposed plan and/or changes to the current operations related to the weekly Farmers Market.

DISCUSSION

The Garden Grove Farmers Market Director provided the attached proposed plan, to be considered by the City Council as part of the operations for this year's annual event permit. Additionally, if this plan is approved, Ms. Ostendorf is requesting that the City Council waive the annual business license fees and the event permit fee associated with the weekly Farmers Market on Main Street.

FINANCIAL IMPACT

At this time, the total amount in fees that would be waived is \$1,551.50. This amount includes the annual business license fee of \$71.50 per vendor (21 participating vendors), for a total of \$1,501.50, and the annual event permit fee of \$50.

RECOMMENDATION

It is recommended that the City Council:

- Consider the proposed changes and plan provided by the Garden Grove Farmers Market Director, Ms. Lee Ostendorf; and
- Consider the request to waive the annual fees associated with the weekly Farmers Market on Main Street.

By: Janet Pelayo, Community Services Manager

ATTACHMENTS:

Description	Upload Date	Type	File Name
Proposal letter - Farmers Market	3/7/2018	Letter	Farmers_Market_Proposal_Letter.PDF
Request Letter	3/7/2018	Letter	Ltr_Request_- _Garden_Grove_Farmers_Market_2018_(3).PDF

Lee Ostendorf
5390 E. 8th Street
Long Beach, Ca 90804

March 7, 2018

City of Garden Grove
11222 Acacia Parkway
Garden Grove, CA 92842

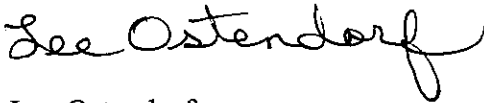
Honorable Mayor and Members of the City Council,

This is a proposal letter for your consideration for the Garden Grove Certified Farmers Market located on Historic Main Street on Sundays from 9am until 2pm.

Currently we have live entertainment, which consists of one or two performers, certified farmers, hot food, specialty foods, arts and craft vendors. I would like to increase the amount of participants and propose a monthly family event with a live band. For example, Earth Day on April 22nd, Cinco de Mayo on May 6th or Mother's Day on May 13th, Father's Day, June 17th, Independence Celebration, July 1st, Friendship Day, August 5th, Autumnal Equinox, or Beginning of Autumn on September 23rd, Halloween on October 28th or Day of the Dead on November 4th and a Christmas event on December 23rd.

Tomorrow I will be meeting with the Downtown Business Association to discuss partnering with them and to see what their ideas might be moving forward. Also, I will be approaching Steel Craft and Cottage Industries to see if they may have interest in sponsorship.

Kind Regards,



Lee Ostendorf

Lee Ostendorf
5390 E. 8th Street
Long Beach, Ca 90804

January 8, 2018

City of Garden Grove
11222 Acacia Parkway
Garden Grove, CA92840

Honorable Mayor and Members of the City Council:

I operate the Garden Grove Farmers' Market on Historic Main Street every Sunday from 9am until 2pm.

I really appreciate that every year you have supported the weekly Garden Grove Farmers Market by waving any City fees associated with the Market. It allows us to continue to operate in the Garden Grove Community. Thank you for your consideration to support the Market in 2018.

Most Sincerely,

A handwritten signature in black ink that reads "Lee Ostendorf". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Lee Ostendorf
Garden Grove Farmers Market

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To:	Scott C. Stiles	From:	William E. Murray
Dept.:	City Manager	Dept.:	Public Works
Subject:	Adoption of a Resolution establishing a Low-Income Senior Discount Program for water customers. (<i>Action Item</i>)		
		Date:	3/13/2018

OBJECTIVE

To request that the City Council adopt a Resolution to establish a Low- Income Senior Discount Program for water customers.

BACKGROUND

In October 2016, the City Council approved the hiring of a consulting firm, FG Solutions, to develop a five-year water financial plan to study the Water Enterprise financial condition and make recommendations for maintaining the financial stability to the Water Enterprise Fund. In order for the City to maintain and operate the City's water system, repay bond indebtedness, and to comply with new and existing regulations imposed by state and federal agencies, FG Solutions has recommended the implementation of automatic annual adjustments to the water rates over a five-year period. A public hearing for the introduction of the ordinance implementing the rate adjustments is being held to consider these adjustments to the water rates.

DISCUSSION

To partially mitigate the financial impacts of the proposed higher fixed charges, the Water Services Division is proposing a Low Income Senior Discount Program for water customers. This proposed discount program would have the following eligibility criteria:

- Resident must live at the billing address;
- The water bill must be in the resident's name;
- The resident must be 65 years of age or older;
- The resident must be enrolled in Southern California Edison's CARE program.

Initially, if approved by City Council, a \$10 per billing period discount would be

offered. The discount program would be funded using non-rate revenues, such as late fees. It is also being proposed that the City Manager be authorized to approve the adjustment in the discount, subject to the consent of the Finance Director, based on the availability of funds.

FINANCIAL IMPACT

Funding for the proposed Low Income Senior Discount Program is available within the Water Services Budget. There is no impact to the General Fund.

RECOMMENDATION

It is recommended that the City Council:

- Adopt the attached Resolution approving to establish a Low Income Senior Discount Program for water customers.

By: Katie Victoria
Sr. Administrative Analyst

ATTACHMENTS:

Description	Upload Date	Type	File Name
CC Resolution	3/7/2018	Resolution	3-13-18_CC_Low_Income_Sr_Discount_program_for_water_customers.docx

GARDEN GROVE CITY COUNCIL

RESOLUTION NO.

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF GARDEN GROVE
ESTABLISHING A LOW INCOME SENIOR DISCOUNT PROGRAM FOR WATER
CUSTOMERS

WHEREAS, in October 2016, the City Council approved the hiring of a consulting firm to develop a five-year water financial plan to study the Water Enterprise financial condition and make recommendations for maintaining the financial stability to the Water Enterprise Fund;

WHEREAS, in order for the City to maintain and operate the City's water system, repay bond indebtedness, and to comply with new and existing regulations imposed by state and federal agencies, the consulting firm has recommended the implementation of automatic annual adjustments to the water rates over a five-year period;

WHEREAS, to partially mitigate the financial impacts of the proposed higher fixed charges, the Water Services Division is proposing a Low Income Senior Discount Program for eligible water customers;

WHEREAS, the proposed discount program will have the following eligibility criteria: 1) resident must live at the billing address; 2) the water bill must be in the resident's name; 3) the resident must be 65 years of age or older; and 4) the resident must be enrolled in Southern California Edison's CARE program;

WHEREAS, initially, a \$10 per billing period discount will be offered;

WHEREAS, the amount of the discount for each qualifying applicant will be reassessed after each fiscal year to determine whether the discount must be adjusted based on the availability of funds; and

WHEREAS, the discount program will be funded using non-rate revenues, such as late fees.

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

1. The above recitals are true and correct and hereby incorporated herein by reference.
2. The City Council hereby establishes a Low Income Senior Discount Program for water customers funded by non-rate revenues for customers meeting the following eligibility criteria:

a) the resident must live at the billing address;

- b) the water bill must be in the resident's name;
 - c) the resident must be 65 years of age or older; and
 - d) the resident must be enrolled in Southern California Edison's CARE program.
3. A \$10 per billing period discount will be offered to eligible customers for the program's inception. This amount will be reassessed after each fiscal year to determine whether the discount must be adjusted based on the availability of funds. The City Manager is authorized to approve adjustments to the discount subject to the consent of the Finance Director.
4. This Resolution and the Low Income Senior Discount Program shall commence upon the effective date of the Ordinance adjusting water rates, which is being introduced concurrently herewith.

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To:	Scott C. Stiles	From:	Laura Stover
Dept.:	City Manager	Dept.:	Human Resources
Subject:	Adoption of a Resolution to add a new classification specification of Code Enforcement Supervisor and approval of salary schedule. (<i>Action Item</i>)		
		Date:	3/13/2018

OBJECTIVE

For the City Council to adopt a Resolution approving a new classification specification for Code Enforcement Supervisor, and approving the salary schedule.

BACKGROUND

The Community and Economic Development Department conducted an extensive organizational assessment to identify strengths and further implement best practices. The assessment resulted in the recommendation to create a lead position for the Code Enforcement Unit.

DISCUSSION

As part of the effort to implement the recommendations of the organizational assessment, Human Resources determined the need for a new classification of Code Enforcement Supervisor. In doing so, Human Resources reviewed the anticipated changes to the organizational structure of the Community and Economic and Development Department in which the Code Enforcement Unit transitioned from the Neighborhood Improvement Division to the Building and Safety Division. Further research, including a review of other internal and external classification families, was conducted to determine the essential duties, minimum qualifications, and salary range for the new classification. The recommended salary range for the Code Enforcement Supervisor is M179. The job description for the classification is attached to this report for reference. The salary schedule implementing this new classification and salary range is attached for approval.

FINANCIAL IMPACT

Funds for the position of Code Enforcement Supervisor are currently included in the

Fiscal Year 2017/18 budget. The Community and Economic Development Department has a vacant, higher-level position that will be used for the Code Enforcement Supervisor.

RECOMMENDATION

It is recommended that the City Council:

- Adopt the attached Resolution creating the classification of Code Enforcement Supervisor at Range M179; and
- Approve the attached salary schedule to be effective March 14, 2018.

By: Liane Kwan, Recruitment and Selection Supervisor

ATTACHMENTS:

Description	Upload Date	Type	File Name
Classification Specification: Code Enforcement Supervisor	3/1/2018	Backup Material	Code_Enforcement_Supervisor.docx
CC Resolution	3/7/2018	Resolution	3-13- 18_CC_Code_Enforcement_Supervisor.docx
Salary Schedule	3/1/2018	Backup Material	PAY_RATES_03-14-18.pdf

CITY OF GARDEN GROVE
CODE ENFORCEMENT SUPERVISOR

CLASS CODE: 243 RANGE: M179

DEFINITION:

Under general direction of the division manager, this position supervises, assigns, and reviews work of code enforcement staff and clerical personnel. This position participates in all work activities of the Code Enforcement Program including investigation of complaints from the general public, identification of violations of City codes and regulations, and enforcement of City codes and regulations.

EXAMPLES OF DUTIES:

- Plan, prioritize, assign, supervise, and review the work of the code enforcement staff and clerical personnel, including performance reviews and evaluations, recruitment and selection of staff, and provide or coordinate staff training and certifications;
- Establish and enforce conformance with department and division policies and procedures;
- Conduct inspections to evaluate compliance with established municipal codes and regulations; identify properties and areas that are not in compliance; issue non-compliance administrative and parking citations, such as those pertaining to zoning, land use, nuisance housing, building codes, health and safety, blight and other matters of public concern; and issue and post notices, such as warning notices, notices of violations, corrective action notices, and orders to comply;
- Educate the general public regarding City codes and regulations to achieve voluntary compliance, and provide on-going customer service regarding all matters related to municipal codes and regulations;
- Receive, respond to and resolve difficult and sensitive citizen inquiries and complaints and reports from other agencies and departments on code enforcement matters; conduct investigations and provide recommendations for resolution; and conduct research to determine governance or to resolve code compliance issues;
- Oversee and maintain the City's code enforcement tracking system to ensure accurate documentation and case files, such as investigations, inspections, enforcement actions, and all other code enforcement related activities;

- Assist in preparation of the department's operating budget;
- Provide technical assistance and training to Building & Safety Division staff in areas of specialization; participate in the on-going review and update of applicable City codes and regulations;
- Work as part of the Building & Safety Division team to develop innovative approaches that encourage property owners, managers and tenants to better maintain and/or upgrade their properties;
- Prepare evidence in support of legal actions taken by the City; work with City Attorney to prepare cases for court; and provide court testimony as needed;
- Participate in the design, coordination and administration of the Code Enforcement Volunteer Program and other public education programs;
- Prepare written correspondence, reports and public education materials;
- Perform other related duties as assigned.

MINIMUM QUALIFICATIONS:

Experience:

Three (3) years of increasingly responsible municipal code enforcement experience, including investigating and interpreting ordinance violations related to land use, building construction, zoning and public nuisances. A minimum of one (1) year of lead or supervisory experience in a code enforcement environment is required.

Education:

Associate's degree or equivalent to 60 semester units from an accredited college or university in Planning, Construction Science, Criminal Justice, Public Administration, Business Administration or a related field is required.

Bachelor's degree in Planning, Construction Science, Criminal Justice, Public Administration, Business Administration, or related field preferred.

Knowledge of:

Customer service techniques and principles; personal computer software applications, particularly MS Word; principles and practices of code enforcement programs and procedures; State, Federal, and local Building, Plumbing, Mechanical, Housing, International Zoning, and International Property

CODE ENFORCEMENT SUPERVISOR

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Maintenance Codes; effective principles and procedures of supervision, training, motivation and performance evaluation.

Ability to:

Learn, appropriately apply, and retain knowledge of a complex system of codes, regulations and processes; provide excellent customer service, treat the public diplomatically and with respect, and maintain effective working relationships with other City employees, as well as others encountered in the course of work; be solution-oriented, persuasive and assertive, without being confrontational, in pursuit of code compliance; conduct research of City regulations, records and permits; work closely with detail and ensure accuracy of information in all communications and records; communicate clearly and concisely, both orally and in writing; and use a personal computer to prepare a variety of reports, memos, letters and brochures.

Other Requirements:

Must possess a valid California Class "C" driver's license. A DMV 10-year history printout is required at the time of application. Possession of P.C. 832 is also required at the time of application.

Certification as a Certified Code Enforcement Officer and ICC certification as a Certified Building Inspector or equivalent are considered highly desirable.

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Incumbents in this classification sit, speak clearly, see long distance and small details, use a telephone, work on a personal computer, and drive a vehicle.

WORK ENVIRONMENT:

The work environment described here is representative of those an employee encounters while performing the essential functions of this job. Incumbents in this classification work outside, inside, in direct contact with public, and may be required to work alternative schedules and/or overtime, including evenings and weekends, as necessary.

JOB FAMILY:

Permit Technician, Code Enforcement Officer, **Code Enforcement Supervisor**, Chief Building Official

Approved: TBD

GARDEN GROVE CITY COUNCIL

RESOLUTION NO.

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF GARDEN GROVE,
CALIFORNIA, ADDING NEW EMPLOYEE CLASSIFICATION AND SALARY RANGE FOR
CODE ENFORCEMENT SUPERVISOR

WHEREAS, the City Council previously approved classification specifications and corresponding salary ranges for the different represented and unrepresented employee classifications in the City; and

WHEREAS, the new class of employment with the City and its appropriate salary range is now necessary to be added.

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

Section 1. The following employment classification and salary range are hereby established:

<u>Classification</u>	<u>Salary Range</u>
Code Enforcement Supervisor	M179

Section 2. The attached Salary Schedule to be effective March 14, 2018, is hereby approved.

14 Mar 2018

CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
053	ACCOUNT SPEC	E112	A	3295.00	1520.77	19.0096
			B	3460.00	1596.92	19.9615
			C	3633.00	1676.77	20.9596
			D	3815.00	1760.77	22.0096
			E	4006.00	1848.92	23.1115
			F	4206.00	1941.23	24.2654
			G	4416.00	2038.15	25.4769
			H	4593.00	2119.85	26.4981
054	ACCOUNTANT	E160	A	5311.00	2451.23	30.6404
			B	5577.00	2574.00	32.1750
			C	5856.00	2702.77	33.7846
			D	6149.00	2838.00	35.4750
			E	6456.00	2979.69	37.2462
			F	6779.00	3128.77	39.1096
			G	7118.00	3285.23	41.0654
			H	7403.00	3416.77	42.7096
039	ACCOUNTING MGR	M194	A	7306.00	3372.00	42.1500
			B	7671.00	3540.46	44.2558
			C	8055.00	3717.69	46.4712
			D	8458.00	3903.69	48.7962
			E	8881.00	4098.92	51.2365
			F	9325.00	4303.85	53.7981
			G	9791.00	4518.92	56.4865
			H	10183.00	4699.85	58.7481
015	ACCOUNTING SUPV	M176	A	6107.00	2818.62	35.2327
			B	6412.00	2959.38	36.9923
			C	6733.00	3107.54	38.8442
			D	7070.00	3263.08	40.7885
			E	7424.00	3426.46	42.8308
			F	7795.00	3597.69	44.9712
			G	8185.00	3777.69	47.2212
			H	8512.00	3928.62	49.1077
060	ACCOUNTING TECH	E152	A	4905.00	2263.85	28.2981
			B	5150.00	2376.92	29.7115
			C	5408.00	2496.00	31.2000
			D	5678.00	2620.62	32.7577
			E	5962.00	2751.69	34.3962
			F	6260.00	2889.23	36.1154
			G	6573.00	3033.69	37.9212
			H	6836.00	3155.08	39.4385

14 Mar 2018

CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
024	ADMIN AIDE	E135	A	4143.00	1912.15	23.9019
			B	4350.00	2007.69	25.0962
			C	4568.00	2108.31	26.3538
			D	4796.00	2213.54	27.6692
			E	5036.00	2324.31	29.0538
			F	5288.00	2440.62	30.5077
			G	5552.00	2562.46	32.0308
			H	5774.00	2664.92	33.3115
016	ADMIN ANALYST	M150	A	4716.00	2176.62	27.2077
			B	4952.00	2285.54	28.5692
			C	5200.00	2400.00	30.0000
			D	5460.00	2520.00	31.5000
			E	5733.00	2646.00	33.0750
			F	6020.00	2778.46	34.7308
			G	6321.00	2917.38	36.4673
			H	6574.00	3034.15	37.9269
063	ADMIN SECRETARY	M162	A	5312.00	2451.69	30.6462
			B	5578.00	2574.46	32.1808
			C	5857.00	2703.23	33.7904
			D	6150.00	2838.46	35.4808
			E	6458.00	2980.62	37.2577
			F	6781.00	3129.69	39.1212
			G	7120.00	3286.15	41.0769
			H	7405.00	3417.69	42.7212
202	ANIMAL CONTROL OFFCR	E153	A	4954.00	2286.46	28.5808
			B	5202.00	2400.92	30.0115
			C	5462.00	2520.92	31.5115
			D	5735.00	2646.92	33.0865
			E	6022.00	2779.38	34.7423
			F	6323.00	2918.31	36.4788
			G	6639.00	3064.15	38.3019
			H	6905.00	3186.92	39.8365
073	ASSIST BUYER	E134	A	4100.00	1892.31	23.6538
			B	4305.00	1986.92	24.8365
			C	4520.00	2086.15	26.0769
			D	4746.00	2190.46	27.3808
			E	4983.00	2299.85	28.7481
			F	5232.00	2414.77	30.1846
			G	5494.00	2535.69	31.6962
			H	5714.00	2637.23	32.9654

14 Mar 2018

CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
027	ASSIST CITY MGR	C255	A	13407.00	6187.85	77.3481
			B	14077.00	6497.08	81.2135
			C	14781.00	6822.00	85.2750
			D	15520.00	7163.08	89.5385
			E	16296.00	7521.23	94.0154
			F	17111.00	7897.38	98.7173
			G	17967.00	8292.46 1	03.6558
			H	18686.00	8624.31 1	07.8038
286	ASSIST COMM SVS SUPV	E150	A	4808.00	2219.08	27.7385
			B	5048.00	2329.85	29.1231
			C	5300.00	2446.15	30.5769
			D	5565.00	2568.46	32.1058
			E	5843.00	2696.77	33.7096
			F	6135.00	2831.54	35.3942
			G	6442.00	2973.23	37.1654
			H	6700.00	3092.31	38.6538
214	ASSIST ENGINEER	E175	A	6167.00	2846.31	35.5788
			B	6475.00	2988.46	37.3558
			C	6799.00	3138.00	39.2250
			D	7139.00	3294.92	41.1865
			E	7496.00	3459.69	43.2462
			F	7871.00	3632.77	45.4096
			G	8265.00	3814.62	47.6827
			H	8596.00	3967.38	49.5923
271	ASSIST PLANNER	E150	A	4808.00	2219.08	27.7385
			B	5048.00	2329.85	29.1231
			C	5300.00	2446.15	30.5769
			D	5565.00	2568.46	32.1058
			E	5843.00	2696.77	33.7096
			F	6135.00	2831.54	35.3942
			G	6442.00	2973.23	37.1654
			H	6700.00	3092.31	38.6538
012	ASSIST TO CITY MGR	M186	A	6746.00	3113.54	38.9192
			B	7083.00	3269.08	40.8635
			C	7437.00	3432.46	42.9058
			D	7809.00	3604.15	45.0519
			E	8199.00	3784.15	47.3019
			F	8609.00	3973.38	49.6673
			G	9039.00	4171.85	52.1481
			H	9401.00	4338.92	54.2365

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
215	ASSOC ENGINEER	E195	A	7525.00	3473.08	43.4135
			B	7901.00	3646.62	45.5827
			C	8296.00	3828.92	47.8615
			D	8711.00	4020.46	50.2558
			E	9147.00	4221.69	52.7712
			F	9604.00	4432.62	55.4077
			G	10084.00	4654.15	58.1769
			H	10487.00	4840.15	60.5019
272	ASSOC PLANNER	E161	A	5364.00	2475.69	30.9462
			B	5632.00	2599.38	32.4923
			C	5914.00	2729.54	34.1192
			D	6210.00	2866.15	35.8269
			E	6521.00	3009.69	37.6212
			F	6847.00	3160.15	39.5019
			G	7189.00	3318.00	41.4750
			H	7477.00	3450.92	43.1365
130	BENEFITS SUPV	M171	A	5811.00	2682.00	33.5250
			B	6102.00	2816.31	35.2038
			C	6407.00	2957.08	36.9635
			D	6727.00	3104.77	38.8096
			E	7063.00	3259.85	40.7481
			F	7416.00	3422.77	42.7846
			G	7787.00	3594.00	44.9250
			H	8098.00	3737.54	46.7192
230	BLDG INSPCTR	E160	A	5311.00	2451.23	30.6404
			B	5577.00	2574.00	32.1750
			C	5856.00	2702.77	33.7846
			D	6149.00	2838.00	35.4750
			E	6456.00	2979.69	37.2462
			F	6779.00	3128.77	39.1096
			G	7118.00	3285.23	41.0654
			H	7403.00	3416.77	42.7096
238	BLDG OFFICIAL	M215	A	9003.00	4155.23	51.9404
			B	9453.00	4362.92	54.5365
			C	9926.00	4581.23	57.2654
			D	10422.00	4810.15	60.1269
			E	10943.00	5050.62	63.1327
			F	11490.00	5303.08	66.2885
			G	12065.00	5568.46	69.6058
			H	12548.00	5791.38	72.3923

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
031	BUDGET SVS MGR	M194	A	7306.00	3372.00	42.1500
			B	7671.00	3540.46	44.2558
			C	8055.00	3717.69	46.4712
			D	8458.00	3903.69	48.7962
			E	8881.00	4098.92	51.2365
			F	9325.00	4303.85	53.7981
			G	9791.00	4518.92	56.4865
			H	10183.00	4699.85	58.7481
241	BUSINESS TAX INSPCTR	E143	A	4485.00	2070.00	25.8750
			B	4709.00	2173.38	27.1673
			C	4944.00	2281.85	28.5231
			D	5191.00	2395.85	29.9481
			E	5451.00	2515.85	31.4481
			F	5724.00	2641.85	33.0231
			G	6010.00	2773.85	34.6731
			H	6250.00	2884.62	36.0577
029	BUSINESS TAX SUPV	M166	A	5528.00	2551.38	31.8923
			B	5804.00	2678.77	33.4846
			C	6094.00	2812.62	35.1577
			D	6399.00	2953.38	36.9173
			E	6719.00	3101.08	38.7635
			F	7055.00	3256.15	40.7019
			G	7408.00	3419.08	42.7385
			H	7704.00	3555.69	44.4462
072	BUYER	E154	A	5003.00	2309.08	28.8635
			B	5253.00	2424.46	30.3058
			C	5516.00	2545.85	31.8231
			D	5792.00	2673.23	33.4154
			E	6082.00	2807.08	35.0885
			F	6386.00	2947.38	36.8423
			G	6705.00	3094.62	38.6827
			H	6973.00	3218.31	40.2288
019	CABLE PROD COORD	E150	A	4808.00	2219.08	27.7385
			B	5048.00	2329.85	29.1231
			C	5300.00	2446.15	30.5769
			D	5565.00	2568.46	32.1058
			E	5843.00	2696.77	33.7096
			F	6135.00	2831.54	35.3942
			G	6442.00	2973.23	37.1654
			H	6700.00	3092.31	38.6538

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
038	CABLE PROD SUPV	M166	A	5528.00	2551.38	31.8923
			B	5804.00	2678.77	33.4846
			C	6094.00	2812.62	35.1577
			D	6399.00	2953.38	36.9173
			E	6719.00	3101.08	38.7635
			F	7055.00	3256.15	40.7019
			G	7408.00	3419.08	42.7385
			H	7704.00	3555.69	44.4462
240	CHIEF OF COLLECTIONS	M171	A	5811.00	2682.00	33.5250
			B	6102.00	2816.31	35.2038
			C	6407.00	2957.08	36.9635
			D	6727.00	3104.77	38.8096
			E	7063.00	3259.85	40.7481
			F	7416.00	3422.77	42.7846
			G	7787.00	3594.00	44.9250
			H	8098.00	3737.54	46.7192
125	CITY ATTORNEY	C	A	0.00	0.00	
			B			
			C			
			D			
			E			
			F			
			G			
			H			
020	CITY CLERK	M199	A	7679.00	3544.15	44.3019
			B	8063.00	3721.38	46.5173
			C	8466.00	3907.38	48.8423
			D	8889.00	4102.62	51.2827
			E	9333.00	4307.54	53.8442
			F	9800.00	4523.08	56.5385
			G	10290.00	4749.23	59.3654
			H	10702.00	4939.38	61.7423
200	CITY ENGINEER	M224	A	9847.00	4544.77	56.8096
			B	10339.00	4771.85	59.6481
			C	10856.00	5010.46	62.6308
			D	11399.00	5261.08	65.7635
			E	11969.00	5524.15	69.0519
			F	12567.00	5800.15	72.5019
			G	13195.00	6090.00	76.1250
			H	13723.00	6333.69	79.1712

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
120	CITY MGR	C900	A	0.00	0.00	
			B			
			C			
			D			
			E			
			F			
			G	21333.00	9846.00	1 23.0750
			H			
058	CLERICAL ASSIST	E108	A	3167.00	1461.69	18.2712
			B	3325.00	1534.62	19.1827
			C	3491.00	1611.23	20.1404
			D	3666.00	1692.00	21.1500
			E	3849.00	1776.46	22.2058
			F	4041.00	1865.08	23.3135
			G	4243.00	1958.31	24.4788
			H	4413.00	2036.77	25.4596
235	CODE ENFORCE OFFCR	E153	A	4954.00	2286.46	28.5808
			B	5202.00	2400.92	30.0115
			C	5462.00	2520.92	31.5115
			D	5735.00	2646.92	33.0865
			E	6022.00	2779.38	34.7423
			F	6323.00	2918.31	36.4788
			G	6639.00	3064.15	38.3019
			H	6905.00	3186.92	39.8365
243	CODE ENFORCE SUPV	M179	A	6292.00	2904.00	36.3000
			B	6607.00	3049.38	38.1173
			C	6937.00	3201.69	40.0212
			D	7284.00	3361.85	42.0231
			E	7648.00	3529.85	44.1231
			F	8030.00	3706.15	46.3269
			G	8432.00	3891.69	48.6462
			H	8769.00	4047.23	50.5904
034	COMM DEV DIR	C245	A	12136.00	5601.23	70.0154
			B	12743.00	5881.38	73.5173
			C	13380.00	6175.38	77.1923
			D	14049.00	6484.15	81.0519
			E	14751.00	6808.15	85.1019
			F	15489.00	7148.77	89.3596
			G	16263.00	7506.00	93.8250
			H	16914.00	7806.46	97.5808

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
085	COMM SHIFT SUPV	E160	A	5311.00	2451.23	30.6404
			B	5577.00	2574.00	32.1750
			C	5856.00	2702.77	33.7846
			D	6149.00	2838.00	35.4750
			E	6456.00	2979.69	37.2462
			F	6779.00	3128.77	39.1096
			G	7118.00	3285.23	41.0654
			H	7403.00	3416.77	42.7096
099	COMM SVC OFFCR	E131	A	3981.00	1837.38	22.9673
			B	4180.00	1929.23	24.1154
			C	4389.00	2025.69	25.3212
			D	4608.00	2126.77	26.5846
			E	4838.00	2232.92	27.9115
			F	5080.00	2344.62	29.3077
			G	5334.00	2461.85	30.7731
			H	5547.00	2560.15	32.0019
289	COMM SVS COORD	E130	A	3941.00	1818.92	22.7365
			B	4138.00	1909.85	23.8731
			C	4345.00	2005.38	25.0673
			D	4562.00	2105.54	26.3192
			E	4790.00	2210.77	27.6346
			F	5030.00	2321.54	29.0192
			G	5282.00	2437.85	30.4731
			H	5493.00	2535.23	31.6904
035	COMM SVS DIR	C240	A	11547.00	5329.38	66.6173
			B	12124.00	5595.69	69.9462
			C	12730.00	5875.38	73.4423
			D	13367.00	6169.38	77.1173
			E	14035.00	6477.69	80.9712
			F	14737.00	6801.69	85.0212
			G	15474.00	7141.85	89.2731
			H	16093.00	7427.54	92.8442
287	COMM SVS SUPV	M176	A	6107.00	2818.62	35.2327
			B	6412.00	2959.38	36.9923
			C	6733.00	3107.54	38.8442
			D	7070.00	3263.08	40.7885
			E	7424.00	3426.46	42.8308
			F	7795.00	3597.69	44.9712
			G	8185.00	3777.69	47.2212
			H	8512.00	3928.62	49.1077

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
228	CONSTR INSPCTR	E161	A	5364.00	2475.69	30.9462
			B	5632.00	2599.38	32.4923
			C	5914.00	2729.54	34.1192
			D	6210.00	2866.15	35.8269
			E	6521.00	3009.69	37.6212
			F	6847.00	3160.15	39.5019
			G	7189.00	3318.00	41.4750
			H	7477.00	3450.92	43.1365
447	CUSTODIAL SUPV	M160	A	5208.00	2403.69	30.0462
			B	5468.00	2523.69	31.5462
			C	5741.00	2649.69	33.1212
			D	6028.00	2782.15	34.7769
			E	6329.00	2921.08	36.5135
			F	6645.00	3066.92	38.3365
			G	6977.00	3220.15	40.2519
			H	7256.00	3348.92	41.8615
445	CUSTODIAN	U108	A	3168.00	1462.15	18.2769
			B	3326.00	1535.08	19.1885
			C	3492.00	1611.69	20.1462
			D	3667.00	1692.46	21.1558
			E	3850.00	1776.92	22.2115
			F	4043.00	1866.00	23.3250
			G	4245.00	1959.23	24.4904
			H	4415.00	2037.69	25.4712
062	DEPT SECRETARY	E143	A	4485.00	2070.00	25.8750
			B	4709.00	2173.38	27.1673
			C	4944.00	2281.85	28.5231
			D	5191.00	2395.85	29.9481
			E	5451.00	2515.85	31.4481
			F	5724.00	2641.85	33.0231
			G	6010.00	2773.85	34.6731
			H	6250.00	2884.62	36.0577
021	DEPUTY CITY CLERK	M157	A	5054.00	2332.62	29.1577
			B	5307.00	2449.38	30.6173
			C	5572.00	2571.69	32.1462
			D	5851.00	2700.46	33.7558
			E	6144.00	2835.69	35.4462
			F	6451.00	2977.38	37.2173
			G	6774.00	3126.46	39.0808
			H	7045.00	3251.54	40.6442

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
037	DEPUTY CITY MGR	C240	A	11547.00	5329.38	66.6173
			B	12124.00	5595.69	69.9462
			C	12730.00	5875.38	73.4423
			D	13367.00	6169.38	77.1173
			E	14035.00	6477.69	80.9712
			F	14737.00	6801.69	85.0212
			G	15474.00	7141.85	89.2731
			H	16093.00	7427.54	92.8442
046	DEPUTY DIR	M215	A	9003.00	4155.23	51.9404
			B	9453.00	4362.92	54.5365
			C	9926.00	4581.23	57.2654
			D	10422.00	4810.15	60.1269
			E	10943.00	5050.62	63.1327
			F	11490.00	5303.08	66.2885
			G	12065.00	5568.46	69.6058
			H	12548.00	5791.38	72.3923
049	DIVISION MGR	M204	A	8069.00	3724.15	46.5519
			B	8472.00	3910.15	48.8769
			C	8896.00	4105.85	51.3231
			D	9341.00	4311.23	53.8904
			E	9808.00	4526.77	56.5846
			F	10298.00	4752.92	59.4115
			G	10813.00	4990.62	62.3827
			H	11246.00	5190.46	64.8808
028	ECON DEV DIR	C245	A	12136.00	5601.23	70.0154
			B	12743.00	5881.38	73.5173
			C	13380.00	6175.38	77.1923
			D	14049.00	6484.15	81.0519
			E	14751.00	6808.15	85.1019
			F	15489.00	7148.77	89.3596
			G	16263.00	7506.00	93.8250
			H	16914.00	7806.46	97.5808
269	ECON DEV MGR	M215	A	9003.00	4155.23	51.9404
			B	9453.00	4362.92	54.5365
			C	9926.00	4581.23	57.2654
			D	10422.00	4810.15	60.1269
			E	10943.00	5050.62	63.1327
			F	11490.00	5303.08	66.2885
			G	12065.00	5568.46	69.6058
			H	12548.00	5791.38	72.3923

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
259	ECON DEV SPEC	E150	A	4808.00	2219.08	27.7385
			B	5048.00	2329.85	29.1231
			C	5300.00	2446.15	30.5769
			D	5565.00	2568.46	32.1058
			E	5843.00	2696.77	33.7096
			F	6135.00	2831.54	35.3942
			G	6442.00	2973.23	37.1654
			H	6700.00	3092.31	38.6538
273	ELIGIBILITY TECH	E128	A	3863.00	1782.92	22.2865
			B	4056.00	1872.00	23.4000
			C	4259.00	1965.69	24.5712
			D	4472.00	2064.00	25.8000
			E	4696.00	2167.38	27.0923
			F	4931.00	2275.85	28.4481
			G	5178.00	2389.85	29.8731
			H	5385.00	2485.38	31.0673
042	EMPLOYEE DEV DIR	C240	A	11547.00	5329.38	66.6173
			B	12124.00	5595.69	69.9462
			C	12730.00	5875.38	73.4423
			D	13367.00	6169.38	77.1173
			E	14035.00	6477.69	80.9712
			F	14737.00	6801.69	85.0212
			G	15474.00	7141.85	89.2731
			H	16093.00	7427.54	92.8442
274	EMPLOYMENT SPEC	E125	A	3750.00	1730.77	21.6346
			B	3938.00	1817.54	22.7192
			C	4135.00	1908.46	23.8558
			D	4342.00	2004.00	25.0500
			E	4559.00	2104.15	26.3019
			F	4787.00	2209.38	27.6173
			G	5026.00	2319.69	28.9962
			H	5227.00	2412.46	30.1558
211	ENGINEERING TECH	E149	A	4761.00	2197.38	27.4673
			B	4999.00	2307.23	28.8404
			C	5249.00	2422.62	30.2827
			D	5511.00	2543.54	31.7942
			E	5787.00	2670.92	33.3865
			F	6076.00	2804.31	35.0538
			G	6380.00	2944.62	36.8077
			H	6635.00	3062.31	38.2788

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
262	ENVIRO SVS MGR	M204	A	8069.00	3724.15	46.5519
			B	8472.00	3910.15	48.8769
			C	8896.00	4105.85	51.3231
			D	9341.00	4311.23	53.8904
			E	9808.00	4526.77	56.5846
			F	10298.00	4752.92	59.4115
			G	10813.00	4990.62	62.3827
			H	11246.00	5190.46	64.8808
236	ENVIRO SVS SPEC	E143	A	4485.00	2070.00	25.8750
			B	4709.00	2173.38	27.1673
			C	4944.00	2281.85	28.5231
			D	5191.00	2395.85	29.9481
			E	5451.00	2515.85	31.4481
			F	5724.00	2641.85	33.0231
			G	6010.00	2773.85	34.6731
			H	6250.00	2884.62	36.0577
422	EQUIP MECH	U141	A	4399.00	2030.31	25.3788
			B	4619.00	2131.85	26.6481
			C	4850.00	2238.46	27.9808
			D	5093.00	2350.62	29.3827
			E	5348.00	2468.31	30.8538
			F	5615.00	2591.54	32.3942
			G	5896.00	2721.23	34.0154
			H	6132.00	2830.15	35.3769
421	EQUIP SVC WRKR	U117	A	3465.00	1599.23	19.9904
			B	3638.00	1679.08	20.9885
			C	3820.00	1763.08	22.0385
			D	4011.00	1851.23	23.1404
			E	4212.00	1944.00	24.3000
			F	4423.00	2041.38	25.5173
			G	4644.00	2143.38	26.7923
			H	4830.00	2229.23	27.8654
041	FINANCE DIR	C245	A	12136.00	5601.23	70.0154
			B	12743.00	5881.38	73.5173
			C	13380.00	6175.38	77.1923
			D	14049.00	6484.15	81.0519
			E	14751.00	6808.15	85.1019
			F	15489.00	7148.77	89.3596
			G	16263.00	7506.00	93.8250
			H	16914.00	7806.46	97.5808

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
030	FINANCE MGR	M204	A	8069.00	3724.15	46.5519
			B	8472.00	3910.15	48.8769
			C	8896.00	4105.85	51.3231
			D	9341.00	4311.23	53.8904
			E	9808.00	4526.77	56.5846
			F	10298.00	4752.92	59.4115
			G	10813.00	4990.62	62.3827
			H	11246.00	5190.46	64.8808
423	FIRE APPARATUS MECH	U147	A	4670.00	2155.38	26.9423
			B	4904.00	2263.38	28.2923
			C	5149.00	2376.46	29.7058
			D	5406.00	2495.08	31.1885
			E	5676.00	2619.69	32.7462
			F	5960.00	2750.77	34.3846
			G	6258.00	2888.31	36.1038
			H	6508.00	3003.69	37.5462
584	FIRE BATTALION CHIEF	G224	A	9858.00	4549.85	56.8731
			B	10351.00	4777.38	59.7173
			C	10869.00	5016.46	62.7058
			D	11412.00	5267.08	65.8385
			E	11983.00	5530.62	69.1327
			F	12582.00	5807.08	72.5885
			G	13211.00	6097.38	76.2173
			H	13739.00	6341.08	79.2635
	FIRE 112 HR SHIFT		A			40.6236
			B			42.6552
			C			44.7898
			D			47.0275
			E			49.3805
			F			51.8489
			G			54.4409
			H			56.6168

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
583	FIRE CAPTAIN	F130	A	6570.00	3032.31	37.9038
			B	6899.00	3184.15	39.8019
			C	7244.00	3343.38	41.7923
			D	7606.00	3510.46	43.8808
			E	7986.00	3685.85	46.0731
			F	8385.00	3870.00	48.3750
			G	8804.00	4063.38	50.7923
			H	9244.00	4266.46	53.3308
			I	9614.00	4437.23	55.4654
		FIRE 112 HR SHIFT	A			27.0742
			B			28.4299
			C			29.8516
			D			31.3434
			E			32.9093
			F			34.5536
			G			36.2802
			H			38.0934
			I			39.6181
586	FIRE CHIEF	C253	A	13143.00	6066.00	75.8250
			B	13800.00	6369.23	79.6154
			C	14490.00	6687.69	83.5962
			D	15215.00	7022.31	87.7788
			E	15976.00	7373.54	92.1692
			F	16775.00	7742.31	96.7788
			G	17614.00	8129.54	101.6192
			H	18319.00	8454.92	105.6865
		FIRE 112 HR SHIFT	A			54.1607
			B			56.8681
			C			59.7115
			D			62.6992
			E			65.8352
			F			69.1277
			G			72.5852
			H			75.4904

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
585	FIRE DIVISION CHIEF	G240	A	11434.00	5277.23	65.9654
			B	12006.00	5541.23	69.2654
			C	12606.00	5818.15	72.7269
			D	13236.00	6108.92	76.3615
			E	13898.00	6414.46	80.1808
			F	14593.00	6735.23	84.1904
			G	15323.00	7072.15	88.4019
			H	15936.00	7355.08	91.9385
	FIRE 112 HR SHIFT		A			47.1181
			B			49.4753
			C			51.9478
			D			54.5440
			E			57.2720
			F			60.1360
			G			63.1442
			H			65.6703
581	FIRE ENGINEER	F114.5	A	5727.00	2643.23	33.0404
			B	6013.00	2775.23	34.6904
			C	6314.00	2914.15	36.4269
			D	6630.00	3060.00	38.2500
			E	6961.00	3212.77	40.1596
			F	7309.00	3373.38	42.1673
			G	7675.00	3542.31	44.2788
			H	8059.00	3719.54	46.4942
			I	8381.00	3868.15	48.3519
	FIRE 112 HR SHIFT		A			23.6003
			B			24.7788
			C			26.0192
			D			27.3214
			E			28.6854
			F			30.1195
			G			31.6277
			H			33.2102
			I			34.5371

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
245	FIRE PREVENTION TECH	E140	A	4353.00	2009.08	25.1135
			B	4571.00	2109.69	26.3712
			C	4800.00	2215.38	27.6923
			D	5040.00	2326.15	29.0769
			E	5292.00	2442.46	30.5308
			F	5557.00	2564.77	32.0596
			G	5835.00	2693.08	33.6635
			H	6068.00	2800.62	35.0077
256	FIRE PROTECTION SPEC	E161	A	5364.00	2475.69	30.9462
			B	5632.00	2599.38	32.4923
			C	5914.00	2729.54	34.1192
			D	6210.00	2866.15	35.8269
			E	6521.00	3009.69	37.6212
			F	6847.00	3160.15	39.5019
			G	7189.00	3318.00	41.4750
			H	7477.00	3450.92	43.1365
580	FIREFIGHTER	F100	A	4980.00	2298.46	28.7308
			B	5229.00	2413.38	30.1673
			C	5490.00	2533.85	31.6731
			D	5765.00	2660.77	33.2596
			E	6053.00	2793.69	34.9212
			F	6356.00	2933.54	36.6692
			G	6674.00	3080.31	38.5038
			H	7008.00	3234.46	40.4308
			I	7288.00	3363.69	42.0462
	FIRE 112 HR SHIFT		A			20.5220
			B			21.5481
			C			22.6236
			D			23.7569
			E			24.9437
			F			26.1923
			G			27.5027
			H			28.8791
			I			30.0330

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
593	FIREFIGHTER/PARAMEDIC	F114.5	A	5727.00	2643.23	33.0404
			B	6013.00	2775.23	34.6904
			C	6314.00	2914.15	36.4269
			D	6630.00	3060.00	38.2500
			E	6961.00	3212.77	40.1596
			F	7309.00	3373.38	42.1673
			G	7675.00	3542.31	44.2788
			H	8059.00	3719.54	46.4942
			I	8381.00	3868.15	48.3519
	FIRE 112 HR SHIFT		A			23.6003
			B			24.7788
			C			26.0192
			D			27.3214
			E			28.6854
			F			30.1195
			G			31.6277
			H			33.2102
			I			34.5371
107	GIS COORD	E174	A	6106.00	2818.15	35.2269
			B	6411.00	2958.92	36.9865
			C	6732.00	3107.08	38.8385
			D	7069.00	3262.62	40.7827
			E	7422.00	3425.54	42.8192
			F	7793.00	3596.77	44.9596
			G	8183.00	3776.77	47.2096
			H	8510.00	3927.69	49.0962
088	GRAPHICS ASSIST	E115	A	3395.00	1566.92	19.5865
			B	3565.00	1645.38	20.5673
			C	3743.00	1727.54	21.5942
			D	3930.00	1813.85	22.6731
			E	4127.00	1904.77	23.8096
			F	4333.00	1999.85	24.9981
			G	4550.00	2100.00	26.2500
			H	4732.00	2184.00	27.3000
089	GRAPHICS DESIGNER	E135	A	4143.00	1912.15	23.9019
			B	4350.00	2007.69	25.0962
			C	4568.00	2108.31	26.3538
			D	4796.00	2213.54	27.6692
			E	5036.00	2324.31	29.0538
			F	5288.00	2440.62	30.5077
			G	5552.00	2562.46	32.0308
			H	5774.00	2664.92	33.3115

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
414	HEAVY EQUIP OPERATOR	U141	A	4399.00	2030.31	25.3788
			B	4619.00	2131.85	26.6481
			C	4850.00	2238.46	27.9808
			D	5093.00	2350.62	29.3827
			E	5348.00	2468.31	30.8538
			F	5615.00	2591.54	32.3942
			G	5896.00	2721.23	34.0154
			H	6132.00	2830.15	35.3769
234	HOUSING ASSIST	E135	A	4143.00	1912.15	23.9019
			B	4350.00	2007.69	25.0962
			C	4568.00	2108.31	26.3538
			D	4796.00	2213.54	27.6692
			E	5036.00	2324.31	29.0538
			F	5288.00	2440.62	30.5077
			G	5552.00	2562.46	32.0308
			H	5774.00	2664.92	33.3115
232	HOUSING SPEC	E140	A	4353.00	2009.08	25.1135
			B	4571.00	2109.69	26.3712
			C	4800.00	2215.38	27.6923
			D	5040.00	2326.15	29.0769
			E	5292.00	2442.46	30.5308
			F	5557.00	2564.77	32.0596
			G	5835.00	2693.08	33.6635
			H	6068.00	2800.62	35.0077
261	HOUSING SUPV	M171	A	5811.00	2682.00	33.5250
			B	6102.00	2816.31	35.2038
			C	6407.00	2957.08	36.9635
			D	6727.00	3104.77	38.8096
			E	7063.00	3259.85	40.7481
			F	7416.00	3422.77	42.7846
			G	7787.00	3594.00	44.9250
			H	8098.00	3737.54	46.7192
026	HUMAN RESOURCES DIR	C240	A	11547.00	5329.38	66.6173
			B	12124.00	5595.69	69.9462
			C	12730.00	5875.38	73.4423
			D	13367.00	6169.38	77.1173
			E	14035.00	6477.69	80.9712
			F	14737.00	6801.69	85.0212
			G	15474.00	7141.85	89.2731
			H	16093.00	7427.54	92.8442

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
131	HUMAN RESOURCES MGR	M199	A	7679.00	3544.15	44.3019
			B	8063.00	3721.38	46.5173
			C	8466.00	3907.38	48.8423
			D	8889.00	4102.62	51.2827
			E	9333.00	4307.54	53.8442
			F	9800.00	4523.08	56.5385
			G	10290.00	4749.23	59.3654
			H	10702.00	4939.38	61.7423
105	INFO SYSTEMS MGR	M220	A	9463.00	4367.54	54.5942
			B	9936.00	4585.85	57.3231
			C	10433.00	4815.23	60.1904
			D	10955.00	5056.15	63.2019
			E	11503.00	5309.08	66.3635
			F	12078.00	5574.46	69.6808
			G	12682.00	5853.23	73.1654
			H	13189.00	6087.23	76.0904
044	INFO TCHNLGY DIR	C240	A	11547.00	5329.38	66.6173
			B	12124.00	5595.69	69.9462
			C	12730.00	5875.38	73.4423
			D	13367.00	6169.38	77.1173
			E	14035.00	6477.69	80.9712
			F	14737.00	6801.69	85.0212
			G	15474.00	7141.85	89.2731
			H	16093.00	7427.54	92.8442
108	INFO TCHNLGY PRGMR	E179	A	6417.00	2961.69	37.0212
			B	6738.00	3109.85	38.8731
			C	7075.00	3265.38	40.8173
			D	7429.00	3428.77	42.8596
			E	7800.00	3600.00	45.0000
			F	8190.00	3780.00	47.2500
			G	8600.00	3969.23	49.6154
			H	8944.00	4128.00	51.6000
103	INFO TCHNLGY TECH	E149	A	4761.00	2197.38	27.4673
			B	4999.00	2307.23	28.8404
			C	5249.00	2422.62	30.2827
			D	5511.00	2543.54	31.7942
			E	5787.00	2670.92	33.3865
			F	6076.00	2804.31	35.0538
			G	6380.00	2944.62	36.8077
			H	6635.00	3062.31	38.2788

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
081	INSURANCE PROG COORD	E150	A	4808.00	2219.08	27.7385
			B	5048.00	2329.85	29.1231
			C	5300.00	2446.15	30.5769
			D	5565.00	2568.46	32.1058
			E	5843.00	2696.77	33.7096
			F	6135.00	2831.54	35.3942
			G	6442.00	2973.23	37.1654
			H	6700.00	3092.31	38.6538
061	JAILER/FLEET SUPV	M171	A	5811.00	2682.00	33.5250
			B	6102.00	2816.31	35.2038
			C	6407.00	2957.08	36.9635
			D	6727.00	3104.77	38.8096
			E	7063.00	3259.85	40.7481
			F	7416.00	3422.77	42.7846
			G	7787.00	3594.00	44.9250
			H	8098.00	3737.54	46.7192
416	MAINT REPAIR HELPER	U122	A	3641.00	1680.46	21.0058
			B	3823.00	1764.46	22.0558
			C	4014.00	1852.62	23.1577
			D	4215.00	1945.38	24.3173
			E	4426.00	2042.77	25.5346
			F	4647.00	2144.77	26.8096
			G	4879.00	2251.85	28.1481
			H	5074.00	2341.85	29.2731
415	MAINT REPAIR WRKR	U138	A	4269.00	1970.31	24.6288
			B	4482.00	2068.62	25.8577
			C	4706.00	2172.00	27.1500
			D	4941.00	2280.46	28.5058
			E	5188.00	2394.46	29.9308
			F	5447.00	2514.00	31.4250
			G	5719.00	2639.54	32.9942
			H	5948.00	2745.23	34.3154
109	NETWORK ADMINISTRATOR	E179	A	6417.00	2961.69	37.0212
			B	6738.00	3109.85	38.8731
			C	7075.00	3265.38	40.8173
			D	7429.00	3428.77	42.8596
			E	7800.00	3600.00	45.0000
			F	8190.00	3780.00	47.2500
			G	8600.00	3969.23	49.6154
			H	8944.00	4128.00	51.6000

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
066	OFFICE ASSIST	E113	A	3327.00	1535.54	19.1942
			B	3493.00	1612.15	20.1519
			C	3668.00	1692.92	21.1615
			D	3851.00	1777.38	22.2173
			E	4044.00	1866.46	23.3308
			F	4246.00	1959.69	24.4962
			G	4458.00	2057.54	25.7192
			H	4636.00	2139.69	26.7462
406	PARK MAINT WRKR	U127	A	3827.00	1766.31	22.0788
			B	4018.00	1854.46	23.1808
			C	4219.00	1947.23	24.3404
			D	4430.00	2044.62	25.5577
			E	4652.00	2147.08	26.8385
			F	4885.00	2254.62	28.1827
			G	5129.00	2367.23	29.5904
			H	5334.00	2461.85	30.7731
494	PARKING CONTROL SPEC	U111.8	A	3003.00	1386.00	17.3250
			B	3190.00	1472.31	18.4038
			C	3377.00	1558.62	19.4827
			D	3565.00	1645.38	20.5673
			E	3753.00	1732.15	21.6519
			F	3753.00	1732.15	21.6519
			G	3753.00	1732.15	21.6519
			H	3903.00	1801.38	22.5173
133	PAYROLL SUPV	M171	A	5811.00	2682.00	33.5250
			B	6102.00	2816.31	35.2038
			C	6407.00	2957.08	36.9635
			D	6727.00	3104.77	38.8096
			E	7063.00	3259.85	40.7481
			F	7416.00	3422.77	42.7846
			G	7787.00	3594.00	44.9250
			H	8098.00	3737.54	46.7192
213	PERMIT CENTER SUPV	M174	A	5987.00	2763.23	34.5404
			B	6286.00	2901.23	36.2654
			C	6600.00	3046.15	38.0769
			D	6930.00	3198.46	39.9808
			E	7277.00	3358.62	41.9827
			F	7641.00	3526.62	44.0827
			G	8023.00	3702.92	46.2865
			H	8344.00	3851.08	48.1385

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
210	PERMIT TECH	E140	A	4353.00	2009.08	25.1135
			B	4571.00	2109.69	26.3712
			C	4800.00	2215.38	27.6923
			D	5040.00	2326.15	29.0769
			E	5292.00	2442.46	30.5308
			F	5557.00	2564.77	32.0596
			G	5835.00	2693.08	33.6635
			H	6068.00	2800.62	35.0077
127	PERSONNEL ANALYST	M150	A	4716.00	2176.62	27.2077
			B	4952.00	2285.54	28.5692
			C	5200.00	2400.00	30.0000
			D	5460.00	2520.00	31.5000
			E	5733.00	2646.00	33.0750
			F	6020.00	2778.46	34.7308
			G	6321.00	2917.38	36.4673
			H	6574.00	3034.15	37.9269
201	PLAN CHECK ENGINEER	E190	A	7159.00	3304.15	41.3019
			B	7517.00	3469.38	43.3673
			C	7893.00	3642.92	45.5365
			D	8288.00	3825.23	47.8154
			E	8702.00	4016.31	50.2038
			F	9137.00	4217.08	52.7135
			G	9594.00	4428.00	55.3500
			H	9978.00	4605.23	57.5654
267	PLANNER	E174	A	6106.00	2818.15	35.2269
			B	6411.00	2958.92	36.9865
			C	6732.00	3107.08	38.8385
			D	7069.00	3262.62	40.7827
			E	7422.00	3425.54	42.8192
			F	7793.00	3596.77	44.9596
			G	8183.00	3776.77	47.2096
			H	8510.00	3927.69	49.0962
263	PLANNING SVS MGR	M215	A	9003.00	4155.23	51.9404
			B	9453.00	4362.92	54.5365
			C	9926.00	4581.23	57.2654
			D	10422.00	4810.15	60.1269
			E	10943.00	5050.62	63.1327
			F	11490.00	5303.08	66.2885
			G	12065.00	5568.46	69.6058
			H	12548.00	5791.38	72.3923

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
270	PLANS EXAMINER	E160	A	5311.00	2451.23	30.6404
			B	5577.00	2574.00	32.1750
			C	5856.00	2702.77	33.7846
			D	6149.00	2838.00	35.4750
			E	6456.00	2979.69	37.2462
			F	6779.00	3128.77	39.1096
			G	7118.00	3285.23	41.0654
			H	7403.00	3416.77	42.7096
304	POLICE CAPTAIN	Q232.1	A	11650.00	5376.92	67.2115
			B	12233.00	5646.00	70.5750
			C	12845.00	5928.46	74.1058
			D	13487.00	6224.77	77.8096
			E	14161.00	6535.85	81.6981
			F	14869.00	6862.62	85.7827
			G	15612.00	7205.54	90.0692
			H	16236.00	7493.54	93.6692
305	POLICE CHIEF	C258	A	13812.00	6374.77	79.6846
			B	14503.00	6693.69	83.6712
			C	15228.00	7028.31	87.8538
			D	15989.00	7379.54	92.2442
			E	16788.00	7748.31	96.8538
			F	17627.00	8135.54 1	01.6942
			G	18508.00	8542.15 1	06.7769
			H	19248.00	8883.69 1	11.0462
076	POLICE COMM MGR	M186	A	6746.00	3113.54	38.9192
			B	7083.00	3269.08	40.8635
			C	7437.00	3432.46	42.9058
			D	7809.00	3604.15	45.0519
			E	8199.00	3784.15	47.3019
			F	8609.00	3973.38	49.6673
			G	9039.00	4171.85	52.1481
			H	9401.00	4338.92	54.2365
303	POLICE LIEUTENANT	Q220.1	A	10137.00	4678.62	58.4827
			B	10644.00	4912.62	61.4077
			C	11176.00	5158.15	64.4769
			D	11735.00	5416.15	67.7019
			E	12322.00	5687.08	71.0885
			F	12938.00	5971.38	74.6423
			G	13585.00	6270.00	78.3750
			H	14128.00	6520.62	81.5077

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
300	POLICE OFFCR	P174	A	6106.00	2818.15	35.2269
			B	6411.00	2958.92	36.9865
			C	6732.00	3107.08	38.8385
			D	7069.00	3262.62	40.7827
			E	7422.00	3425.54	42.8192
			F	7793.00	3596.77	44.9596
			G	8183.00	3776.77	47.2096
			H	8510.00	3927.69	49.0962
306	POLICE OFFCR/CORPORAL	P174	A	6106.00	2818.15	35.2269
			B	6411.00	2958.92	36.9865
			C	6732.00	3107.08	38.8385
			D	7069.00	3262.62	40.7827
			E	7422.00	3425.54	42.8192
			F	7793.00	3596.77	44.9596
			G	8183.00	3776.77	47.2096
			H	8510.00	3927.69	49.0962
301	POLICE OFFCR/MSTR OFFCR I	P174	A	6106.00	2818.15	35.2269
			B	6411.00	2958.92	36.9865
			C	6732.00	3107.08	38.8385
			D	7069.00	3262.62	40.7827
			E	7422.00	3425.54	42.8192
			F	7793.00	3596.77	44.9596
			G	8183.00	3776.77	47.2096
			H	8510.00	3927.69	49.0962
075	POLICE RECORDS MGR	M186	A	6746.00	3113.54	38.9192
			B	7083.00	3269.08	40.8635
			C	7437.00	3432.46	42.9058
			D	7809.00	3604.15	45.0519
			E	8199.00	3784.15	47.3019
			F	8609.00	3973.38	49.6673
			G	9039.00	4171.85	52.1481
			H	9401.00	4338.92	54.2365
074	POLICE RECORDS SHIFT SUPV	E140	A	4353.00	2009.08	25.1135
			B	4571.00	2109.69	26.3712
			C	4800.00	2215.38	27.6923
			D	5040.00	2326.15	29.0769
			E	5292.00	2442.46	30.5308
			F	5557.00	2564.77	32.0596
			G	5835.00	2693.08	33.6635
			H	6068.00	2800.62	35.0077

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
057	POLICE RECORDS SPEC	E125	A	3750.00	1730.77	21.6346
			B	3938.00	1817.54	22.7192
			C	4135.00	1908.46	23.8558
			D	4342.00	2004.00	25.0500
			E	4559.00	2104.15	26.3019
			F	4787.00	2209.38	27.6173
			G	5026.00	2319.69	28.9962
			H	5227.00	2412.46	30.1558
302	POLICE SERGEANT	P199.2	A	7846.00	3621.23	45.2654
			B	8238.00	3802.15	47.5269
			C	8650.00	3992.31	49.9038
			D	9083.00	4192.15	52.4019
			E	9537.00	4401.69	55.0212
			F	10014.00	4621.85	57.7731
			G	10515.00	4853.08	60.6635
			H	10936.00	5047.38	63.0923
056	POLICE SVS SUPV	M166	A	5528.00	2551.38	31.8923
			B	5804.00	2678.77	33.4846
			C	6094.00	2812.62	35.1577
			D	6399.00	2953.38	36.9173
			E	6719.00	3101.08	38.7635
			F	7055.00	3256.15	40.7019
			G	7408.00	3419.08	42.7385
			H	7704.00	3555.69	44.4462
059	PRIN ACCOUNTANT	M186	A	6746.00	3113.54	38.9192
			B	7083.00	3269.08	40.8635
			C	7437.00	3432.46	42.9058
			D	7809.00	3604.15	45.0519
			E	8199.00	3784.15	47.3019
			F	8609.00	3973.38	49.6673
			G	9039.00	4171.85	52.1481
			H	9401.00	4338.92	54.2365
052	PRIN ACCOUNTS SPEC	E132	A	4020.00	1855.38	23.1923
			B	4221.00	1948.15	24.3519
			C	4432.00	2045.54	25.5692
			D	4654.00	2148.00	26.8500
			E	4887.00	2255.54	28.1942
			F	5131.00	2368.15	29.6019
			G	5388.00	2486.77	31.0846
			H	5604.00	2586.46	32.3308

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
036	PRIN ADMIN ANALYST	M186	A	6746.00	3113.54	38.9192
			B	7083.00	3269.08	40.8635
			C	7437.00	3432.46	42.9058
			D	7809.00	3604.15	45.0519
			E	8199.00	3784.15	47.3019
			F	8609.00	3973.38	49.6673
			G	9039.00	4171.85	52.1481
			H	9401.00	4338.92	54.2365
208	PRIN ENGINEERING TECH	E169	A	5809.00	2681.08	33.5135
			B	6099.00	2814.92	35.1865
			C	6404.00	2955.69	36.9462
			D	6724.00	3103.38	38.7923
			E	7060.00	3258.46	40.7308
			F	7413.00	3421.38	42.7673
			G	7784.00	3592.62	44.9077
			H	8095.00	3736.15	46.7019
064	PRIN OFFICE ASSIST	E133	A	4062.00	1874.77	23.4346
			B	4265.00	1968.46	24.6058
			C	4478.00	2066.77	25.8346
			D	4702.00	2170.15	27.1269
			E	4937.00	2278.62	28.4827
			F	5184.00	2392.62	29.9077
			G	5443.00	2512.15	31.4019
			H	5661.00	2612.77	32.6596
129	PRIN PERSONNEL ANALYST	M186	A	6746.00	3113.54	38.9192
			B	7083.00	3269.08	40.8635
			C	7437.00	3432.46	42.9058
			D	7809.00	3604.15	45.0519
			E	8199.00	3784.15	47.3019
			F	8609.00	3973.38	49.6673
			G	9039.00	4171.85	52.1481
			H	9401.00	4338.92	54.2365
023	PROG SPEC	E150	A	4808.00	2219.08	27.7385
			B	5048.00	2329.85	29.1231
			C	5300.00	2446.15	30.5769
			D	5565.00	2568.46	32.1058
			E	5843.00	2696.77	33.7096
			F	6135.00	2831.54	35.3942
			G	6442.00	2973.23	37.1654
			H	6700.00	3092.31	38.6538

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
209	PROJECT ENGINEER	M204	A	8069.00	3724.15	46.5519
			B	8472.00	3910.15	48.8769
			C	8896.00	4105.85	51.3231
			D	9341.00	4311.23	53.8904
			E	9808.00	4526.77	56.5846
			F	10298.00	4752.92	59.4115
			G	10813.00	4990.62	62.3827
			H	11246.00	5190.46	64.8808
265	PROJECT PLANNER	M186	A	6746.00	3113.54	38.9192
			B	7083.00	3269.08	40.8635
			C	7437.00	3432.46	42.9058
			D	7809.00	3604.15	45.0519
			E	8199.00	3784.15	47.3019
			F	8609.00	3973.38	49.6673
			G	9039.00	4171.85	52.1481
			H	9401.00	4338.92	54.2365
083	PUBLIC SAFETY DISPATCHER	E150	A	4808.00	2219.08	27.7385
			B	5048.00	2329.85	29.1231
			C	5300.00	2446.15	30.5769
			D	5565.00	2568.46	32.1058
			E	5843.00	2696.77	33.7096
			F	6135.00	2831.54	35.3942
			G	6442.00	2973.23	37.1654
			H	6700.00	3092.31	38.6538
126	PUBLIC SAFETY FISCAL ANALYST	M171	A	5811.00	2682.00	33.5250
			B	6102.00	2816.31	35.2038
			C	6407.00	2957.08	36.9635
			D	6727.00	3104.77	38.8096
			E	7063.00	3259.85	40.7481
			F	7416.00	3422.77	42.7846
			G	7787.00	3594.00	44.9250
			H	8098.00	3737.54	46.7192
033	PUBLIC WORKS DIR	C245	A	12136.00	5601.23	70.0154
			B	12743.00	5881.38	73.5173
			C	13380.00	6175.38	77.1923
			D	14049.00	6484.15	81.0519
			E	14751.00	6808.15	85.1019
			F	15489.00	7148.77	89.3596
			G	16263.00	7506.00	93.8250
			H	16914.00	7806.46	97.5808

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
420	PUBLIC WORKS FOREMAN	M155	A	4955.00	2286.92	28.5865
			B	5203.00	2401.38	30.0173
			C	5463.00	2521.38	31.5173
			D	5736.00	2647.38	33.0923
			E	6023.00	2779.85	34.7481
			F	6324.00	2918.77	36.4846
			G	6640.00	3064.62	38.3077
			H	6906.00	3187.38	39.8423
204	PUBLIC WORKS SUPV	M176	A	6107.00	2818.62	35.2327
			B	6412.00	2959.38	36.9923
			C	6733.00	3107.54	38.8442
			D	7070.00	3263.08	40.7885
			E	7424.00	3426.46	42.8308
			F	7795.00	3597.69	44.9712
			G	8185.00	3777.69	47.2212
			H	8512.00	3928.62	49.1077
244	PUBLIC WORKS TECH	E145	A	4576.00	2112.00	26.4000
			B	4805.00	2217.69	27.7212
			C	5045.00	2328.46	29.1058
			D	5297.00	2444.77	30.5596
			E	5562.00	2567.08	32.0885
			F	5840.00	2695.38	33.6923
			G	6132.00	2830.15	35.3769
			H	6377.00	2943.23	36.7904
402	PUBLIC WORKS TRAINEE	U089	A	2364.00	1091.08	13.6385
			B	2439.00	1125.69	14.0712
			C	2495.00	1151.54	14.3942
			D	2551.00	1177.38	14.7173
			E	2629.00	1213.38	15.1673
			F	2685.00	1239.23	15.4904
			G	2814.00	1298.77	16.2346
			H	2927.00	1350.92	16.8865
070	PURCHASING AGENT	M191	A	7091.00	3272.77	40.9096
			B	7446.00	3436.62	42.9577
			C	7818.00	3608.31	45.1038
			D	8209.00	3788.77	47.3596
			E	8619.00	3978.00	49.7250
			F	9050.00	4176.92	52.2115
			G	9503.00	4386.00	54.8250
			H	9883.00	4561.38	57.0173

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
222	REAL PROPERTY AGENT	E162	A	5418.00	2500.62	31.2577
			B	5689.00	2625.69	32.8212
			C	5973.00	2756.77	34.4596
			D	6272.00	2894.77	36.1846
			E	6586.00	3039.69	37.9962
			F	6915.00	3191.54	39.8942
			G	7261.00	3351.23	41.8904
			H	7551.00	3485.08	43.5635
221	REAL PROPERTY MGR	M199	A	7679.00	3544.15	44.3019
			B	8063.00	3721.38	46.5173
			C	8466.00	3907.38	48.8423
			D	8889.00	4102.62	51.2827
			E	9333.00	4307.54	53.8442
			F	9800.00	4523.08	56.5385
			G	10290.00	4749.23	59.3654
			H	10702.00	4939.38	61.7423
092	REPRO EQUIP OPERATOR	E109	A	3197.00	1475.54	18.4442
			B	3357.00	1549.38	19.3673
			C	3525.00	1626.92	20.3365
			D	3701.00	1708.15	21.3519
			E	3886.00	1793.54	22.4192
			F	4080.00	1883.08	23.5385
			G	4284.00	1977.23	24.7154
			H	4455.00	2056.15	25.7019
032	REVENUE MGR	M194	A	7306.00	3372.00	42.1500
			B	7671.00	3540.46	44.2558
			C	8055.00	3717.69	46.4712
			D	8458.00	3903.69	48.7962
			E	8881.00	4098.92	51.2365
			F	9325.00	4303.85	53.7981
			G	9791.00	4518.92	56.4865
			H	10183.00	4699.85	58.7481
132	RISK MGMT SUPV	M171	A	5811.00	2682.00	33.5250
			B	6102.00	2816.31	35.2038
			C	6407.00	2957.08	36.9635
			D	6727.00	3104.77	38.8096
			E	7063.00	3259.85	40.7481
			F	7416.00	3422.77	42.7846
			G	7787.00	3594.00	44.9250
			H	8098.00	3737.54	46.7192

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
460	SEWER MAINT WRKR	U132	A	4022.00	1856.31	23.2038
			B	4223.00	1949.08	24.3635
			C	4434.00	2046.46	25.5808
			D	4656.00	2148.92	26.8615
			E	4889.00	2256.46	28.2058
			F	5133.00	2369.08	29.6135
			G	5390.00	2487.69	31.0962
			H	5606.00	2587.38	32.3423
424	SMALL ENGINES MECH	U127	A	3827.00	1766.31	22.0788
			B	4018.00	1854.46	23.1808
			C	4219.00	1947.23	24.3404
			D	4430.00	2044.62	25.5577
			E	4652.00	2147.08	26.8385
			F	4885.00	2254.62	28.1827
			G	5129.00	2367.23	29.5904
			H	5334.00	2461.85	30.7731
312	SPECIAL OFFCR	E157	A	5310.00	2450.77	30.6346
			B	5576.00	2573.54	32.1692
			C	5855.00	2702.31	33.7788
			D	6148.00	2837.54	35.4692
			E	6455.00	2979.23	37.2404
			F	6778.00	3128.31	39.1038
			G	7117.00	3284.77	41.0596
			H	7402.00	3416.31	42.7038
051	SR ACCOUNT SPEC	E122	A	3639.00	1679.54	20.9942
			B	3821.00	1763.54	22.0442
			C	4012.00	1851.69	23.1462
			D	4213.00	1944.46	24.3058
			E	4424.00	2041.85	25.5231
			F	4645.00	2143.85	26.7981
			G	4877.00	2250.92	28.1365
			H	5072.00	2340.92	29.2615
055	SR ACCOUNTANT	E171	A	5927.00	2735.54	34.1942
			B	6223.00	2872.15	35.9019
			C	6534.00	3015.69	37.6962
			D	6861.00	3166.62	39.5827
			E	7204.00	3324.92	41.5615
			F	7564.00	3491.08	43.6385
			G	7942.00	3665.54	45.8192
			H	8260.00	3812.31	47.6538

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
014	SR ADMIN AIDE	E150	A	4808.00	2219.08	27.7385
			B	5048.00	2329.85	29.1231
			C	5300.00	2446.15	30.5769
			D	5565.00	2568.46	32.1058
			E	5843.00	2696.77	33.7096
			F	6135.00	2831.54	35.3942
			G	6442.00	2973.23	37.1654
			H	6700.00	3092.31	38.6538
017	SR ADMIN ANALYST	M166	A	5528.00	2551.38	31.8923
			B	5804.00	2678.77	33.4846
			C	6094.00	2812.62	35.1577
			D	6399.00	2953.38	36.9173
			E	6719.00	3101.08	38.7635
			F	7055.00	3256.15	40.7019
			G	7408.00	3419.08	42.7385
			H	7704.00	3555.69	44.4462
203	SR ANIMAL CONTROL OFFCR	E164	A	5527.00	2550.92	31.8865
			B	5803.00	2678.31	33.4788
			C	6093.00	2812.15	35.1519
			D	6398.00	2952.92	36.9115
			E	6718.00	3100.62	38.7577
			F	7054.00	3255.69	40.6962
			G	7407.00	3418.62	42.7327
			H	7703.00	3555.23	44.4404
231	SR BLDG INSPCTR	E170	A	5867.00	2707.85	33.8481
			B	6160.00	2843.08	35.5385
			C	6468.00	2985.23	37.3154
			D	6791.00	3134.31	39.1788
			E	7131.00	3291.23	41.1404
			F	7488.00	3456.00	43.2000
			G	7862.00	3628.62	45.3577
			H	8176.00	3773.54	47.1692
216	SR CIVIL ENGINEER	M211	A	8652.00	3993.23	49.9154
			B	9085.00	4193.08	52.4135
			C	9539.00	4402.62	55.0327
			D	10016.00	4622.77	57.7846
			E	10517.00	4854.00	60.6750
			F	11043.00	5096.77	63.7096
			G	11595.00	5351.54	66.8942
			H	12059.00	5565.69	69.5712

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
098	SR CMNTY SVC OFFCR	E136	A	4182.00	1930.15	24.1269
			B	4391.00	2026.62	25.3327
			C	4611.00	2128.15	26.6019
			D	4842.00	2234.77	27.9346
			E	5084.00	2346.46	29.3308
			F	5338.00	2463.69	30.7962
			G	5605.00	2586.92	32.3365
			H	5829.00	2690.31	33.6288
242	SR CODE ENFORCE OFFCR	E160	A	5311.00	2451.23	30.6404
			B	5577.00	2574.00	32.1750
			C	5856.00	2702.77	33.7846
			D	6149.00	2838.00	35.4750
			E	6456.00	2979.69	37.2462
			F	6779.00	3128.77	39.1096
			G	7118.00	3285.23	41.0654
			H	7403.00	3416.77	42.7096
091	SR ECON DEV SPEC	E162	A	5418.00	2500.62	31.2577
			B	5689.00	2625.69	32.8212
			C	5973.00	2756.77	34.4596
			D	6272.00	2894.77	36.1846
			E	6586.00	3039.69	37.9962
			F	6915.00	3191.54	39.8942
			G	7261.00	3351.23	41.8904
			H	7551.00	3485.08	43.5635
226	SR EMPLOYMENT SPEC	E135	A	4143.00	1912.15	23.9019
			B	4350.00	2007.69	25.0962
			C	4568.00	2108.31	26.3538
			D	4796.00	2213.54	27.6692
			E	5036.00	2324.31	29.0538
			F	5288.00	2440.62	30.5077
			G	5552.00	2562.46	32.0308
			H	5774.00	2664.92	33.3115
212	SR ENGINEERING TECH	E159	A	5258.00	2426.77	30.3346
			B	5521.00	2548.15	31.8519
			C	5797.00	2675.54	33.4442
			D	6087.00	2809.38	35.1173
			E	6391.00	2949.69	36.8712
			F	6711.00	3097.38	38.7173
			G	7047.00	3252.46	40.6558
			H	7329.00	3382.62	42.2827

CITY OF GARDEN GROVE PAY RATES
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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
246	SR ENVIRO SVS SPEC	E153	A	4954.00	2286.46	28.5808
			B	5202.00	2400.92	30.0115
			C	5462.00	2520.92	31.5115
			D	5735.00	2646.92	33.0865
			E	6022.00	2779.38	34.7423
			F	6323.00	2918.31	36.4788
			G	6639.00	3064.15	38.3019
			H	6905.00	3186.92	39.8365
260	SR FIRE PROTECTION SPEC	E171	A	5927.00	2735.54	34.1942
			B	6223.00	2872.15	35.9019
			C	6534.00	3015.69	37.6962
			D	6861.00	3166.62	39.5827
			E	7204.00	3324.92	41.5615
			F	7564.00	3491.08	43.6385
			G	7942.00	3665.54	45.8192
			H	8260.00	3812.31	47.6538
294	SR HOUSING SPEC	E150	A	4808.00	2219.08	27.7385
			B	5048.00	2329.85	29.1231
			C	5300.00	2446.15	30.5769
			D	5565.00	2568.46	32.1058
			E	5843.00	2696.77	33.7096
			F	6135.00	2831.54	35.3942
			G	6442.00	2973.23	37.1654
			H	6700.00	3092.31	38.6538
104	SR INFO TCHNLGY ANALYST	M194	A	7306.00	3372.00	42.1500
			B	7671.00	3540.46	44.2558
			C	8055.00	3717.69	46.4712
			D	8458.00	3903.69	48.7962
			E	8881.00	4098.92	51.2365
			F	9325.00	4303.85	53.7981
			G	9791.00	4518.92	56.4865
			H	10183.00	4699.85	58.7481
106	SR INFO TCHNLGY TECH	E159	A	5258.00	2426.77	30.3346
			B	5521.00	2548.15	31.8519
			C	5797.00	2675.54	33.4442
			D	6087.00	2809.38	35.1173
			E	6391.00	2949.69	36.8712
			F	6711.00	3097.38	38.7173
			G	7047.00	3252.46	40.6558
			H	7329.00	3382.62	42.2827

CITY OF GARDEN GROVE PAY RATES
14 Mar 2018

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
067	SR OFFICE ASSIST	E123	A	3676.00	1696.62	21.2077
			B	3860.00	1781.54	22.2692
			C	4053.00	1870.62	23.3827
			D	4256.00	1964.31	24.5538
			E	4469.00	2062.62	25.7827
			F	4692.00	2165.54	27.0692
			G	4927.00	2274.00	28.4250
			H	5124.00	2364.92	29.5615
407	SR PARK MAINT WRKR	U137	A	4227.00	1950.92	24.3865
			B	4438.00	2048.31	25.6038
			C	4660.00	2150.77	26.8846
			D	4893.00	2258.31	28.2288
			E	5138.00	2371.38	29.6423
			F	5395.00	2490.00	31.1250
			G	5665.00	2614.62	32.6827
			H	5892.00	2719.38	33.9923
128	SR PERSONNEL ANALYST	M166	A	5528.00	2551.38	31.8923
			B	5804.00	2678.77	33.4846
			C	6094.00	2812.62	35.1577
			D	6399.00	2953.38	36.9173
			E	6719.00	3101.08	38.7635
			F	7055.00	3256.15	40.7019
			G	7408.00	3419.08	42.7385
			H	7704.00	3555.69	44.4462
266	SR PLANNER	M194	A	7306.00	3372.00	42.1500
			B	7671.00	3540.46	44.2558
			C	8055.00	3717.69	46.4712
			D	8458.00	3903.69	48.7962
			E	8881.00	4098.92	51.2365
			F	9325.00	4303.85	53.7981
			G	9791.00	4518.92	56.4865
			H	10183.00	4699.85	58.7481
025	SR PROG SPEC	M166	A	5528.00	2551.38	31.8923
			B	5804.00	2678.77	33.4846
			C	6094.00	2812.62	35.1577
			D	6399.00	2953.38	36.9173
			E	6719.00	3101.08	38.7635
			F	7055.00	3256.15	40.7019
			G	7408.00	3419.08	42.7385
			H	7704.00	3555.69	44.4462

CITY OF GARDEN GROVE PAY RATES
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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
264	SR PROJECT PLANNER	M194	A	7306.00	3372.00	42.1500
			B	7671.00	3540.46	44.2558
			C	8055.00	3717.69	46.4712
			D	8458.00	3903.69	48.7962
			E	8881.00	4098.92	51.2365
			F	9325.00	4303.85	53.7981
			G	9791.00	4518.92	56.4865
			H	10183.00	4699.85	58.7481
223	SR REAL PROPERTY AGENT	M173	A	5929.00	2736.46	34.2058
			B	6225.00	2873.08	35.9135
			C	6536.00	3016.62	37.7077
			D	6863.00	3167.54	39.5942
			E	7206.00	3325.85	41.5731
			F	7566.00	3492.00	43.6500
			G	7944.00	3666.46	45.8308
			H	8262.00	3813.23	47.6654
253	SR RECREATION SPEC	E101	A	2954.00	1363.38	17.0423
			B	3102.00	1431.69	17.8962
			C	3257.00	1503.23	18.7904
			D	3420.00	1578.46	19.7308
			E	3591.00	1657.38	20.7173
			F	3771.00	1740.46	21.7558
			G	3960.00	1827.69	22.8462
			H	4118.00	1900.62	23.7577
090	SR REPRO EQUIP OPERATOR	E135	A	4143.00	1912.15	23.9019
			B	4350.00	2007.69	25.0962
			C	4568.00	2108.31	26.3538
			D	4796.00	2213.54	27.6692
			E	5036.00	2324.31	29.0538
			F	5288.00	2440.62	30.5077
			G	5552.00	2562.46	32.0308
			H	5774.00	2664.92	33.3115
462	SR SEWER MAINT WRKR	U137	A	4227.00	1950.92	24.3865
			B	4438.00	2048.31	25.6038
			C	4660.00	2150.77	26.8846
			D	4893.00	2258.31	28.2288
			E	5138.00	2371.38	29.6423
			F	5395.00	2490.00	31.1250
			G	5665.00	2614.62	32.6827
			H	5892.00	2719.38	33.9923

CITY OF GARDEN GROVE PAY RATES
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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
419	SR STREET MAINT WRKR	U137	A	4227.00	1950.92	24.3865
			B	4438.00	2048.31	25.6038
			C	4660.00	2150.77	26.8846
			D	4893.00	2258.31	28.2288
			E	5138.00	2371.38	29.6423
			F	5395.00	2490.00	31.1250
			G	5665.00	2614.62	32.6827
			H	5892.00	2719.38	33.9923
412	SR TRAFFIC SIGNAL ELECTRIA	U163	A	5474.00	2526.46	31.5808
			B	5748.00	2652.92	33.1615
			C	6035.00	2785.38	34.8173
			D	6337.00	2924.77	36.5596
			E	6654.00	3071.08	38.3885
			F	6987.00	3224.77	40.3096
			G	7336.00	3385.85	42.3231
			H	7629.00	3521.08	44.0135
437	SR WATER PROD OPERATOR	U157	A	5157.00	2380.15	29.7519
			B	5415.00	2499.23	31.2404
			C	5686.00	2624.31	32.8038
			D	5970.00	2755.38	34.4423
			E	6269.00	2893.38	36.1673
			F	6582.00	3037.85	37.9731
			G	6911.00	3189.69	39.8712
			H	7187.00	3317.08	41.4635
255	SR WATER QUALITY TECH	E165	A	5581.00	2575.85	32.1981
			B	5860.00	2704.62	33.8077
			C	6153.00	2839.85	35.4981
			D	6461.00	2982.00	37.2750
			E	6784.00	3131.08	39.1385
			F	7123.00	3287.54	41.0942
			G	7479.00	3451.85	43.1481
			H	7778.00	3589.85	44.8731
431	SR WATER SVS WRKR	U146	A	4623.00	2133.69	26.6712
			B	4854.00	2240.31	28.0038
			C	5097.00	2352.46	29.4058
			D	5352.00	2470.15	30.8769
			E	5620.00	2593.85	32.4231
			F	5901.00	2723.54	34.0442
			G	6196.00	2859.69	35.7462
			H	6444.00	2974.15	37.1769

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
078	SR WORD PROC OPERATOR	E123	A	3676.00	1696.62	21.2077
			B	3860.00	1781.54	22.2692
			C	4053.00	1870.62	23.3827
			D	4256.00	1964.31	24.5538
			E	4469.00	2062.62	25.7827
			F	4692.00	2165.54	27.0692
			G	4927.00	2274.00	28.4250
			H	5124.00	2364.92	29.5615
451	STOCK CLERK	E112	A	3295.00	1520.77	19.0096
			B	3460.00	1596.92	19.9615
			C	3633.00	1676.77	20.9596
			D	3815.00	1760.77	22.0096
			E	4006.00	1848.92	23.1115
			F	4206.00	1941.23	24.2654
			G	4416.00	2038.15	25.4769
			H	4593.00	2119.85	26.4981
450	STOREKEEPER	E135	A	4143.00	1912.15	23.9019
			B	4350.00	2007.69	25.0962
			C	4568.00	2108.31	26.3538
			D	4796.00	2213.54	27.6692
			E	5036.00	2324.31	29.0538
			F	5288.00	2440.62	30.5077
			G	5552.00	2562.46	32.0308
			H	5774.00	2664.92	33.3115
411	STREET MAINT WRKR	U132	A	4022.00	1856.31	23.2038
			B	4223.00	1949.08	24.3635
			C	4434.00	2046.46	25.5808
			D	4656.00	2148.92	26.8615
			E	4889.00	2256.46	28.2058
			F	5133.00	2369.08	29.6135
			G	5390.00	2487.69	31.0962
			H	5606.00	2587.38	32.3423
233	SUPERVISING BLDG INSPCTR	M179	A	6292.00	2904.00	36.3000
			B	6607.00	3049.38	38.1173
			C	6937.00	3201.69	40.0212
			D	7284.00	3361.85	42.0231
			E	7648.00	3529.85	44.1231
			F	8030.00	3706.15	46.3269
			G	8432.00	3891.69	48.6462
			H	8769.00	4047.23	50.5904

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
237	TRAFFIC ENGINEER	M211	A	8652.00	3993.23	49.9154
			B	9085.00	4193.08	52.4135
			C	9539.00	4402.62	55.0327
			D	10016.00	4622.77	57.7846
			E	10517.00	4854.00	60.6750
			F	11043.00	5096.77	63.7096
			G	11595.00	5351.54	66.8942
			H	12059.00	5565.69	69.5712
405	TRAFFIC SIGNAL ELECTRICIAN	U143	A	4488.00	2071.38	25.8923
			B	4712.00	2174.77	27.1846
			C	4948.00	2283.69	28.5462
			D	5195.00	2397.69	29.9712
			E	5455.00	2517.69	31.4712
			F	5728.00	2643.69	33.0462
			G	6014.00	2775.69	34.6962
			H	6255.00	2886.92	36.0865
040	UTILITIES REVENUE SUPV	M166	A	5528.00	2551.38	31.8923
			B	5804.00	2678.77	33.4846
			C	6094.00	2812.62	35.1577
			D	6399.00	2953.38	36.9173
			E	6719.00	3101.08	38.7635
			F	7055.00	3256.15	40.7019
			G	7408.00	3419.08	42.7385
			H	7704.00	3555.69	44.4462
410	UTILITY WRKR	U112	A	3296.00	1521.23	19.0154
			B	3461.00	1597.38	19.9673
			C	3634.00	1677.23	20.9654
			D	3816.00	1761.23	22.0154
			E	4007.00	1849.38	23.1173
			F	4207.00	1941.69	24.2712
			G	4417.00	2038.62	25.4827
			H	4594.00	2120.31	26.5038
429	WATER CUSTOMER SVC WRKR	U138	A	4269.00	1970.31	24.6288
			B	4482.00	2068.62	25.8577
			C	4706.00	2172.00	27.1500
			D	4941.00	2280.46	28.5058
			E	5188.00	2394.46	29.9308
			F	5447.00	2514.00	31.4250
			G	5719.00	2639.54	32.9942
			H	5948.00	2745.23	34.3154

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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
433	WATER PROD ELECTRICIAN	U163	A	5474.00	2526.46	31.5808
			B	5748.00	2652.92	33.1615
			C	6035.00	2785.38	34.8173
			D	6337.00	2924.77	36.5596
			E	6654.00	3071.08	38.3885
			F	6987.00	3224.77	40.3096
			G	7336.00	3385.85	42.3231
			H	7629.00	3521.08	44.0135
438	WATER PROD MECH	U147	A	4670.00	2155.38	26.9423
			B	4904.00	2263.38	28.2923
			C	5149.00	2376.46	29.7058
			D	5406.00	2495.08	31.1885
			E	5676.00	2619.69	32.7462
			F	5960.00	2750.77	34.3846
			G	6258.00	2888.31	36.1038
			H	6508.00	3003.69	37.5462
436	WATER PROD OPERATOR	U142	A	4443.00	2050.62	25.6327
			B	4665.00	2153.08	26.9135
			C	4898.00	2260.62	28.2577
			D	5143.00	2373.69	29.6712
			E	5400.00	2492.31	31.1538
			F	5670.00	2616.92	32.7115
			G	5954.00	2748.00	34.3500
			H	6192.00	2857.85	35.7231
115	WATER QUALITY TECH	E150	A	4808.00	2219.08	27.7385
			B	5048.00	2329.85	29.1231
			C	5300.00	2446.15	30.5769
			D	5565.00	2568.46	32.1058
			E	5843.00	2696.77	33.7096
			F	6135.00	2831.54	35.3942
			G	6442.00	2973.23	37.1654
			H	6700.00	3092.31	38.6538
430	WATER SVC WRKR	U132	A	4022.00	1856.31	23.2038
			B	4223.00	1949.08	24.3635
			C	4434.00	2046.46	25.5808
			D	4656.00	2148.92	26.8615
			E	4889.00	2256.46	28.2058
			F	5133.00	2369.08	29.6135
			G	5390.00	2487.69	31.0962
			H	5606.00	2587.38	32.3423

CITY OF GARDEN GROVE PAY RATES
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CLS#	TITLE	RANGE	STEP	MONTHLY	BI-WEEKLY	HOURLY
409	WATER SVS MGR	M215	A	9003.00	4155.23	51.9404
			B	9453.00	4362.92	54.5365
			C	9926.00	4581.23	57.2654
			D	10422.00	4810.15	60.1269
			E	10943.00	5050.62	63.1327
			F	11490.00	5303.08	66.2885
			G	12065.00	5568.46	69.6058
			H	12548.00	5791.38	72.3923
102	WEBMASTER	E174	A	6106.00	2818.15	35.2269
			B	6411.00	2958.92	36.9865
			C	6732.00	3107.08	38.8385
			D	7069.00	3262.62	40.7827
			E	7422.00	3425.54	42.8192
			F	7793.00	3596.77	44.9596
			G	8183.00	3776.77	47.2096
			H	8510.00	3927.69	49.0962
077	WORD PROC OPERATOR	E113	A	3327.00	1535.54	19.1942
			B	3493.00	1612.15	20.1519
			C	3668.00	1692.92	21.1615
			D	3851.00	1777.38	22.2173
			E	4044.00	1866.46	23.3308
			F	4246.00	1959.69	24.4962
			G	4458.00	2057.54	25.7192
			H	4636.00	2139.69	26.7462

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To:	Scott C. Stiles	From:	John Montanez
Dept.:	City Manager	Dept.:	Community Services
Subject:	Approval of Amendment No. 4 to Cooperative Agreement No. C-1-2491 between the City of Garden Grove, the Korean American Senior Association of Orange County, and the Orange County Transportation Authority for the Senior Mobility Program. (<i>Action Item</i>)		
		Date:	3/13/2018

OBJECTIVE

To obtain City Council approval of Amendment No. 4 to the Cooperative Agreement between the City of Garden Grove, the Korean American Senior Association of Orange County (Association) and the Orange County Transportation Authority (OCTA), where Association agrees to have the City removed as a party of this Agreement.

BACKGROUND

In May 2011, the City Council approved Cooperative Agreement No. C-1-2491 between the City of Garden Grove, the Association and OCTA, which designated the City as the fiscal receiving agent for the Association's Senior Mobility Program with the term of the agreement from July 2011 through June 2016. In June 2016, City Council approved an Amendment to the Agreement that extended the term for an additional five years ending June 2021.

DISCUSSION

The OCTA has requested to amend Cooperative Agreement No. C-1-2491 between the City of Garden Grove, the Association and OCTA in order to remove the City as a party of this Agreement.

FINANCIAL IMPACT

There will be no direct fiscal impact to the City's General Fund.

RECOMMENDATION

It is recommended that the City Council:

- Approve Amendment No. 4 to Cooperative Agreement No. C-1-2491 between the City of Garden Grove, the Korean American Senior Association of Orange County and the Orange County Transportation Authority; and
- Authorize the Mayor to execute the Agreement on behalf of the City.

By: Janet Pelayo, Community Services Manager

ATTACHMENTS:

Description	Upload Date	Type	File Name
Amendment No. 4 to Cooperative Agreement No. C-1-2491	2/22/2018	Cover Memo	OCTA_COOP_KASA_Agreement_C-1-2491_Amend._4.pdf



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Ryan Chamberlain
Ex-Officio Member

CHIEF EXECUTIVE OFFICE

Darrell Johnson
Chief Executive Officer

Ms. Teresa Pomeroy
City of Garden Grove
11222 Acacia Parkway
Garden Grove, CA 92840

SUBJECT: AMENDMENT NO. 4 TO AGREEMENT NO. C-1-2491

Dear Ms. Pomeroy:

Enclosed is the original document for Amendment No. 4 to Agreement No. C-1-2493 for your review and signature.

Please execute the document in blue ink where indicated and return to Sue Ding by Thursday, February 15, 2018. The first page of the document will be completed by the Authority upon final execution.

Should you have any questions, please contact Ms. Ding at (714) 560-5631.

Sincerely,

Cathy Foreman
Office Specialist
Contracts Administration and Materials Management

Enclosure

THIS AMENDMENT NO. 4 is effective this _____ day of _____, 2018 by and between the Orange County Transportation Authority, a public corporation of the State of California (hereinafter referred to as "AUTHORITY"), the City of Garden Grove (hereinafter referred to as "CITY") and Korean American Senior Association of Orange County (hereinafter referred to as "CONTRACTOR").

WHEREAS, by Agreement No. C-1-2491 dated June 27, 2011, as last changed by Amendment No. 3, **AUTHORITY, CITY and CONTRACTOR** are entered into a contract to provide the Senior Mobility Program (SMP) concerning senior transportation services for seniors receiving services through **CONTRACTOR**; and

WHEREAS, AUTHORITY, CITY and CONTRACTOR agree that CITY to be removed as a party of this Agreement; and

Page 1 of 3

**AMENDMENT NO. 4 TO
AGREEMENT NO. C-1-2491**

NOW, THEREFORE, it is mutually understood and agreed by AUTHORITY, CITY and CONTRACTOR that Agreement No. C-1-2491 is hereby amended in the following particulars only:

1. Delete "CITY" where it arises throughout the entire Agreement.
2. Replace "CONTRACTOR" with "AGENCY" throughout the entire Agreement.
3. Delete **ARTICLE 4.** in its entirety.
4. Delete **ARTICLE 6** in its entirety and replace with the following:

"ARTICLE 6. NOTICES

All Notices pertaining to this Agreement and any communications from the parties may be made by delivery of said notices in person or by depositing said notices in the U.S. Mail, registered or certified mail, return receipt requested, postage prepaid and addressed as follows:

TO AGENCY:

Korean American Senior Association
Of Orange County
9860 Garden Grove Boulevard

Garden Grove, California 92844
ATTENTION: Yong Lee
(714) 893-3581

TO AUTHORITY:

Orange County Transportation Authority

550 S. Main Street
P.O. Box 14184
Orange, California 92863-1584
ATTENTION: Sue Ding
(714) 560-5631"

5. Delete **ARTICLE 10, Section B** in its entirety.

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**AMENDMENT NO. 4 TO
AGREEMENT NO. C-1-2491**

1 The balance of said Agreement remains unchanged.

2 This Amendment No. 4 to Cooperative Agreement No. C-1-2491 shall be made effective upon
3 execution by all parties.

4 **IN WITNESS WHEREOF**, the parties hereto have caused this Amendment No. 4 to
5 Cooperative Agreement No. C-1-2491 to be executed on the date first above written.

6 **CITY OF GARDEN GROVE**

7 **ORANGE COUNTY TRANSPORTATION AUTHORITY**

8 By _____
9 Steven R. Jones
10 Mayor

8 By _____
9 Pia Veesapen
10 Manager, Contracts and Procurement

11
12 By _____
13 Teresa Pomeroy
14 City Clerk

15
16 By _____
17 Omar Sandoval
18 City Attorney

18 **KOREAN AMERICAN SENIOR ASSOCIATION
19 OF ORANGE COUNTY**

20 By _____
21 Yong Lee
22 Transportation Committee Chairman

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To:	Scott C. Stiles	From:	Todd D. Elgin
Dept.:	City Manager	Dept.:	Police
Subject:	Approval to accept Fiscal Year 2016-17 Public Safety Realignment and Postrelease Community Supervision Funds for law enforcement services. (Amount: \$65,529) (<i>Action Item</i>)		
		Date:	3/13/2018

OBJECTIVE

To gain City Council approval to accept Fiscal Year 2016-17 funding provided through the State for the Public Safety Realignment and Postrelease Community Supervision mandate, and appropriate \$65,529 to the appropriate grant funding for law enforcement services.

BACKGROUND

Assembly Bill 109, titled "2011 Realignment Legislation Addressing Public Safety," became effective on July 1, 2011, and provided for the enactment of the "2011 Postrelease Community Supervision Act" (herein after referred to as "AB109"). AB109 requires that certain offenders be released into the community under the supervision of a designated county agency (Orange County Probation).

Prior to this legislation, these offenders would have either remained incarcerated in State prison or would have been released under the supervision of State Parole. AB109 shifted the burden of "supervision" from the State to local law enforcement agencies.

In years prior, the City entered into a Memorandum of Understanding (MOU) with the County of Orange in order to receive this funding, and funds were disbursed based on claims or invoices submitted to the County for reimbursement. The County has received clarification from the State permitting these funds to be disbursed as an allocation, so an MOU is no longer required and disbursements will be made quarterly.

DISCUSSION

For FY 2016-17, State funding allocations of the AB109 appropriation include amounts for enhanced services and other authorized expenditures for local law enforcement agencies. Garden Grove is entitled to approximately \$65,529 of these funds. This funding assists local law enforcement agencies by providing additional resources for law enforcement services, and is not intended to supplant current funding.

FINANCIAL IMPACT

Using AB109 funds to offset costs associated with additional AB109-related enforcement activities creates no burden on the City's General Fund.

RECOMMENDATION

It is recommended that the City Council:

- Approve the acceptance of Fiscal Year 2016-17 Public Safety Realignment and Postrelease Community Supervision funds; and
- Appropriate \$65,529 to the appropriate grant fund.

By: Courtney Allison, Fiscal Analyst

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To:	Scott C. Stiles	From:	William E. Murray
Dept.:	City Manager	Dept.:	Public Works
Subject:	Authorize issuance of a purchase order to National Auto Fleet Group for two (2) new Public Works pickups and one (1) new Public Works utility body truck. (Cost: \$89,219.55) (<i>Action Item</i>)		
		Date:	3/13/2018

OBJECTIVE

To secure City Council authorization to purchase two (2) new Public Works Department pickup trucks and one (1) new Public Works Department utility truck from National Auto Fleet Group through the National Joint Powers Alliance (NJPA) competitive bid program, Contract #120716.

BACKGROUND

The Public Works Department is responsible for providing all city departments with safe and reliable vehicles. Recently, it was discovered that three (3) alternative fuel vehicles equipped with Compressed Natural Gas (CNG) fuel systems have fuel tanks that are no longer able to be certified and are deemed unsafe. While researching the cost to replace the tanks, it was determined that the replacement cost exceeded the vehicle's value and under the policy guidelines require replacement. Experience has shown that the City's buying power is enhanced through joining with other public agencies to purchase fleet vehicles and equipment.

DISCUSSION

The National Joint Powers Alliance (NJPA) nationally solicits, evaluates and awards contracts through a competitive bid process. As a member, the City is able to utilize NJPA bid awards for equipment purchases. Staff recommends piggybacking on the results of a recent NJPA competitive bid program, Contract #120716. The results deemed National Auto Fleet Group as the lowest responsive bid.

National Auto Fleet Group

\$89,219.55*

* This price includes all applicable tax and destination charges.

FINANCIAL IMPACT

The financial impact is \$89,219.55 to the Fleet Management Fund. There is no impact to the General Fund. The surplus vehicles will be sold at public auction.

RECOMMENDATION

It is recommended that the City Council:

- Authorize the Finance Director to issue a purchase order in the amount of \$89,219.55 to National Auto Fleet Group for the purchase of two (2) new Public Works Department pickups and one (1) new Public Works Department utility truck.

By: Steve Sudduth, Equipment Maintenance Supervisor

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To:	Scott C. Stiles	From:	John Montanez
Dept.:	City Manager	Dept.:	Community Services
Subject:	Award a contract to Richard Fisher Associates for the preparation of a Parks, Recreation and Facilities Master Plan. (Cost: \$159,641) (<i>Action Item</i>)		
		Date:	3/13/2018

OBJECTIVE

To request that the City Council award a contract to Richard Fisher Associates to prepare a Parks, Recreation and Facilities Master Plan, which will also include recommendations for ADA improvements to existing parks and facilities, and the preparation of three (3) conceptual designs with one preferred conceptual of Civic Center Park.

BACKGROUND

On October 6, 2017, a Request for Proposal (RFP) No. S-1210-A was released to vendors that would be interested in providing a Parks, Recreation and Facilities Master Plan for the City of Garden Grove. There were four qualified proposals received November 8, 2017. The Source Selection Committee (SSC) comprised of City staff ranked each proposal submitted with the higher number being the higher ranking. The list below indicates the name of the company and scores assigned by the SSC.

The following are the four qualified vendors in alpha order and their proposal rating:

Integrated Consulting Group - 2352
KTU&A - 3048
Richard Fisher Associates - 3700
RJM Design Group - 2964

DISCUSSION

Based upon the scores of the proposals evaluated and interviews conducted, the SSC has identified Richard Fisher Associates as the most qualified company to prepare the Parks, Recreation and Facilities Master Plan for the City of Garden Grove. Staff is

requesting City Council approval to award a contract to Richard Fisher Associates for the preparation of a 15-year Parks, Recreation and Facilities Master Plan. The Master Plan will set the framework for decision makers in the planning, maintenance, and development and/or rehabilitation of Garden Grove parks and recreation facilities. The Master Plan will also include recommendations for ADA improvements to existing parks and facilities, and the preparation of three (3) conceptual design plans with one preferred conceptual of Civic Center Park. Recent developments within the Downtown, including Steel Craft, Cottage Industries, new restaurants and shops on Historic Main Street, and new programming at the Amphitheater, present an opportunity to re-examine Civic Center Park and the use of the open space within the Downtown/Civic Center area.

FINANCIAL IMPACT

The total cost for the preparation of the Parks, Recreation and Facilities Master Plan including recommendations for ADA improvements to existing parks and facilities, and the preparation of three (3) conceptual designs with one preferred conceptual of Civic Center Park will be \$159,641. Funding for this contract will be split between the General Fund and the Park Fee Fund. There is a total amount of \$59,641 budgeted in the General Fund and \$100,000 in the Park Fee Fund.

RECOMMENDATION

It is recommended that the City Council:

- Award a contract to Richard Fisher Associates for the preparation of the Parks, Recreation and Facilities Master Plan including recommendations for ADA improvements to existing parks and facilities, and the preparation of three (3) conceptual designs with one preferred conceptual of Civic Center Park, in the amount not to exceed \$159,641; and
- Authorize the City Manager, or his designee, to sign the Agreement on behalf of the City, including making minor modifications as appropriate and necessary.

By: Janet Pelayo, Community Services Manager

ATTACHMENTS:

Description	Upload Date	Type	File Name
Agreement with RFA	2/27/2018	Backup Material	Agreement_with_Richard_Fisher_Associates_2-27-18.pdf

PROFESSIONAL SERVICES AGREEMENT

THIS AGREEMENT is made this _____ day of _____, 2018, by the **CITY OF GARDEN GROVE**, a municipal corporation, ("CITY") and **Richard Fisher Associates**, herein after referred to as "CONTRACTOR".

RECITALS

The following recitals are a substantive part of this Agreement:

1. This Agreement is entered into pursuant to Garden Grove COUNCIL AUTHORIZATION, DATED _____.
2. CITY desires to utilize the services of CONTRACTOR Provide a Parks, Recreation and Facilities Maintenance Master Plan for the City of Garden Grove Community Services Department.
3. CONTRACTOR is qualified by virtue of experience, training, education and expertise to accomplish services.

AGREEMENT

THE PARTIES MUTUALLY AGREE AS FOLLOWS:

1. **Term and Termination.** The term of the agreement shall be for period of one year from full execution of the agreement or until services are completed. This agreement may be terminated by the CITY without cause. In such event, the CITY will compensate CONTRACTOR for work performed to date in accordance with the Consultant's Proposal/ Best and Final Offer (Attachment B). Contractor is required to present evidence to support performed work completion.
2. **Services to be Provided.** The services to be performed by CONTRACTOR shall consist of tasks as set forth in the Scope of Work which is attached as Attachment A, and is incorporated herein by reference. The Scope of Work and this Agreement do not guarantee any specific amount of work.
3. **Compensation.** CONTRACTOR shall be compensated as follows:
 - 3.13.1 **AMOUNT.** AMOUNT. Total Compensation under this agreement shall not exceed (NTE) amount of One Hundred Fifty Nine Thousand Six Hundred Forty One Dollars (\$159,641.00), which includes the Base Price of \$88,109.00, Option A-\$27,419.00 for ADA Improvement Recommendations and Option B-\$44,113.00 for Civic Center Park Conceptual Plan, payable in arrears and in accordance with the Consultant's Proposal/Best and Final Offer (Attachment B). All work shall be in accordance with RFP No. S-1210-A.

3.2 Payment. For work under this Agreement, payment shall be made per invoice for work completed. For extra work not a part of this Agreement, a written authorization by CITY will be required, and payment shall be based on schedule included in the Consultant's Proposal/Best and Final Offer (Attachment B).

3.3 Records of Expenses. CONTRACTOR shall keep complete and accurate records of all costs and expenses incidental to services covered by this Agreement. These records will be made available at reasonable times to CITY.

3.4 Termination. CITY shall have the right to terminate this agreement, without cause, by giving thirty (30) days written notice of termination. If the Agreement is terminated by CITY, then the provisions of paragraph 3 would apply to that portion of the work completed.

4. Insurance Requirements

4.1 COMMENCEMENT OF WORK. CONTRACTOR shall not commence work until all certificates and endorsements have been received and approved by the CITY. All liability insurance required by this Agreement shall not be cancelled until 30 days advance notice has been provided to the CITY, 10 day notice shall be provided for cancellation due to non-payment of premium.

4.2 WORKERS COMPENSATION INSURANCE. During the duration of this Agreement, CONTRACTOR and all subcontractors shall maintain Workers Compensation Insurance in the amount and type required by law, if applicable.

4.3 INSURANCE AMOUNTS. CONTRACTOR shall maintain the following insurance for the duration of this Agreement:

(a) Commercial general liability in an amount of \$1,000,000.00 per occurrence (**claims made and modified occurrence policies are not acceptable**); Insurance companies must be acceptable to CITY and have a Best's Guide Rating of A-, Class VII or better, as approved by the CITY.

(b) Automobile liability in an amount of \$1,000,000.00 combined single limit. (**claims made and modified occurrence policies are not acceptable**); Insurance companies must be acceptable to CITY and have a Best's Guide Rating of A-, Class VII or better, as approved by the CITY.

- (c) Professional liability *in the amount not less than \$1,000,000 per occurrence*; Insurance companies must be acceptable to CITY and have a Best's Guide Rating of A-, Class VII or better, as approved by the CITY. If the policy is written on a "claims made" basis, the policy shall be continued in full force and effect at all times during the term of the agreement, and for a period of three (3) years from the date of the completion of services provided. In the event of termination, cancellation, or material change in the policy, professional/consultant shall obtain continuing insurance coverage for the prior acts or omissions of professional/consultant during the course of performing services under the term of the agreement. The coverage shall be evidenced either by a new policy evidencing no gap in coverage, or by obtaining separate extended "tail" coverage with the present or new carrier

An On-Going and Completed Operations Additional Insured Endorsement for the policy under section 4.3 (a) and 4.3 (c) shall designate CITY, its officers, officials, employees, agents, and volunteers as additional insureds for liability arising out of work or operations performed by or on behalf of the CONTRACTOR. CONTRACTOR shall provide to CITY proof of insurance and endorsement forms that conform to CITY's requirements, as approved by the CITY.

An Additional Insured Endorsement for the policy under section 4.3 (b) shall designate CITY, its officers, officials, employees, agents, and volunteers as additional insureds for automobiles, owned, leased, hired, or borrowed by the CONTRACTOR. CONTRACTOR shall provide to CITY proof of insurance and endorsement forms that conform to CITY's requirements, as approved by the CITY.

For any claims related to this Agreement, CONTRACTOR's Insurance coverage shall be primary insurance as respects CITY, its officers, officials, employees, agents, and volunteers. Any insurance or self-insurance maintained by the CITY, its officers, officials, employees, agents, and volunteers shall be excess of the CONTRACTOR's Insurance and shall not contribute with it.

If CONTRACTOR maintains higher Insurance limits than the minimums shown above, CONTRACTOR shall provide coverage for the higher insurance limits otherwise maintained by the CONTRACTOR.

5. **Non-Liability of Officials and Employees of the CITY.** No official or employee of CITY shall be personally liable to CONTRACTOR in the event of any default or breach by CITY, or for any amount which may become due to CONTRACTOR.
6. **Non-Discrimination.** CONTRACTOR covenants there shall be no discrimination against any person or group due to race, color, creed, religion, sex, marital status, age, handicap, national origin, or ancestry, in any activity pursuant to this Agreement.
7. **Independent Contractor.** It is agreed to that CONTRACTOR shall act and be an independent contractor and not an agent or employee of the CITY, and shall obtain no rights to any benefits which accrue to CITY'S employees.
8. **Compliance with Law.** CONTRACTOR shall comply with all applicable laws, ordinances, codes, and regulations of the federal, state, and local government. CONTRACTOR shall comply with, and shall be responsible for causing all contractors and subcontractors performing any of the work pursuant to this Agreement to comply with, all applicable federal and state labor standards, including, to the extent applicable, the prevailing wage requirements promulgated by the Director of Industrial Relations of the State of California Department of Labor. The City makes no warranty or representation concerning whether any of the work performed pursuant to this Agreement constitutes public works subject to the prevailing wage requirements.
9. **Notices.** All notices shall be personally delivered or mailed to the below listed address, or to such other addresses as may be designated by written notice. These addresses shall be used for delivery of service of process.
 - a. (Contractor)
Richard Fisher Associates
Attention: Richard Fisher
2001 E. First Street, Suite 160
Santa Ana, CA 92705
 - b. (Address of CITY) (with a copy to):
City of Garden Grove Garden Grove City Attorney
11222 Acacia Parkway 11222 Acacia Parkway
Garden Grove, CA 92840 Garden Grove, CA 92840
10. **CONTRACTOR'S PROPOSAL.** This Agreement shall include CONTRACTOR'S proposal or bid which shall be incorporated herein by reference. In the event of any inconsistency between the terms of the proposal and this Agreement, this Agreement shall govern.
11. **Licenses, Permits, and Fees.** At its sole expense, CONTRACTOR shall obtain a Garden Grove Business License, all permits, and licenses as may be required by this Agreement.

12. **Familiarity with Work.** By executing this Agreement, CONTRACTOR warrants that: (1) it has investigated the work to be performed; (2) it has investigated the site of the work and is aware of all conditions there; and (3) it understands the facilities, difficulties, and restrictions of the work under this Agreement. Should Contractor discover any latent or unknown conditions materially differing from those inherent in the work or as represented by CITY, it shall immediately inform CITY of this and shall not proceed, except at CONTRACTOR'S risk, until written instructions are received from CITY.
13. **Time of Essence.** Time is of the essence in the performance of this Agreement.
14. **Limitations Upon Subcontracting and Assignment.** The experience, knowledge, capability, and reputation of CONTRACTOR, its principals and employees were a substantial inducement for CITY to enter into this Agreement. CONTRACTOR shall not contract with any other entity to perform the services required without written approval of the CITY. This Agreement may not be assigned voluntarily or by operation of law, without the prior written approval of CITY. If CONTRACTOR is permitted to subcontract any part of this Agreement, CONTRACTOR shall be responsible to CITY for the acts and omissions of its subcontractor as it is for persons directly employed. Nothing contained in this Agreement shall create any contractual relationship between any subcontractor and CITY. All persons engaged in the work will be considered employees of CONTRACTOR. CITY will deal directly with and will make all payments to CONTRACTOR.
15. **Authority to Execute.** The persons executing this Agreement on behalf of the parties warrant that they are duly authorized to execute this Agreement and that by executing this Agreement, the parties are formally bound.
16. **Indemnification.** CONTRACTOR agrees to protect, defend, and hold harmless CITY and its elective or appointive boards, officers, agents, and employees from any and all claims, liabilities, expenses, or damages of any nature, including attorneys' fees, for injury or death of any person, or damage to property, or interference with use of property, arising out of, or in any way connected with performance of the Agreement by CONTRACTOR, CONTRACTOR'S agents, officers, employees, subcontractors, or independent contractors hired by CONTRACTOR. The only exception to CONTRACTOR'S responsibility to protect, defend, and hold harmless CITY, is due to the sole negligence of CITY, or any of its elective or appointive boards, officers, agents, or employees.

This hold harmless agreement shall apply to all liability regardless of whether any insurance policies are applicable. The policy limits do not act as a limitation upon the amount of indemnification to be provided by CONTRACTOR.

17. **Appropriations.** This Agreement is subject to and contingent upon funds being appropriated therefor by the Garden Grove City Council for each fiscal year covered by the term of this Agreement. If such appropriations are not made, this Agreement shall automatically terminate without penalty to the CITY.

\\\\\\

(Agreement Signature Block on Next Page)

IN WITNESS THEREOF, these parties have executed this Agreement on the day and year shown below.

Date: _____

"CITY"
CITY OF GARDEN GROVE

By: _____
City Manager

ATTESTED:

City Clerk

Date: _____

"CONTRACTOR"
Richard Fisher Associates
By: Richard A. Fisher
Name: Richard A. Fisher
Title: President
Date: 2/14/18
Tax ID No. 04-3590791

If CONTRACTOR is a corporation, a Corporate Resolution and/or Corporate Seal is required. If a partnership, Statement of Partnership must be submitted to CITY.

APPROVED AS TO FORM:

Omar Candoral
Garden Grove City Attorney

2-20-18

ATTACHMENT "A"
SCOPE OF WORK
PARKS, RECREATION AND FACILITIES MASTER PLAN
RFP No. S-1210-A

INTRODUCTION

The City of Garden Grove (City) is seeking proposals from qualified professional consultants for the preparation of a Parks, Recreation and Facilities Master Plan. The Parks, Recreation and Facilities Master Plan will set the framework for decision makers in the planning, maintenance, and development and/or rehabilitation of Garden Grove parks and recreation facilities. Equally important will be that the Master Plan provide a systematic and prioritized approach to the implementation of parks and recreation projects.

PROJECT OBJECTIVES

Garden Grove is essentially built out with very little new lands available for development. An existing stock of Parks and Recreation facilities has many elements that may need rehabilitation or redesign to better meet current trends. A key component of our community is the creation of a Parks and Recreation Master Plan, and this plan should achieve the following results:

- Describe current and future demographic projections and regional context;
- Examine the current conditions of parks and facilities;
- Study and analyze current public demand and needs for parks and recreation facilities;
- Develop operating policies based on future needs expressed by the staff and the community;
- Make recommendations on opportunities for joint use and future acquisition; and
- Describe funding and financing strategies and actions to enable the City to implement the recommendations by the year 2031.

SCOPE OF WORK

A key component in creating the Park, Recreation and Facilities Master Plan will be a shared process that taps the opinions and ideas of all stakeholders and includes a review of existing assets inventory, demographics, and current planning standards. The scope of work will focus on three components: Needs Assessment, review and recommendation of modifications to existing facilities, and financial implementation.

- A. **Objectives:** Describe the consultant's approach to accomplishing the objectives stated in the RFP and identify the methodology proposed. The consultant is encouraged to include suggestions or supplemental tasks which may enhance the project or streamline the scope of work and improve cost effectiveness. State your assumptions clearly. Include the decisions, products, data, and corollary information that the consultant expects from City staff.
- B. **Meetings and Presentations:** The consultant team must be available to participate in meetings with staff, focus group comprised of stakeholders, and public forums. The proposal cost estimate should be based on a minimum of four (4) meetings, at least two of which are anticipated to be open public forums, a formal presentation to the Parks, Recreation and Arts Commission and at least one formal presentation to the City Council. Please note in the fee schedule a per-meeting unit cost for any additional meetings.
- C. **Needs Assessment:** The Needs Assessment will study the existing parks system and recreation facilities, existing asset inventories, existing and projected demographics, provide a statistically valid survey, and solicit public input via workshops or other means to provide information on trends to determine how well existing facilities address the community's current and future needs. It will identify where surpluses and deficiencies exist. The needs assessment will take into account parks and recreation facilities owned by other entities and how those factor into the recreational needs of the community as well as how the City may maintain public access to those amenities.
- D. **Recommended Modifications/Additions:** The Needs Assessment will provide the data and information necessary to evaluate how the parks and recreation facilities meet current and future needs and whether modifications and/or additions will be required. The consultant will be expected to make recommendations which take into account the current and future needs, condition of existing facilities, and cost of modifications in determining how to serve the long range needs of the community.

E. Financial Implementation: A review of revenue sources and recommendations on potential financing strategies will be completed in coordination with City staff as a part of the Master Plan. The consultant will be expected to identify other methods of funding or revenue generation/operating models successful in other agencies and include potential public/private partnership opportunities. This section should include a comprehensive list of funding sources by project type. The Parks, Recreation and Facilities Master Plan should be designed to connect the parks and recreation facilities to the City's Capital Improvement Plan (CIP).

F. OPTION A: Recommend improvements related to Americans with Disabilities Act (ADA) accessibility of existing parks and facilities.

G. OPTION B: Preparation of a Civic Center Park Conceptual Plan. These services will include (3) conceptual design plans with one preferred conceptual that is based on numerous factors including but not limited to public comment, market/demographics analysis, city documents and other applicable background, data or historical information.

Project Description-OPTION B

Civic Center Park is located at the heart of the downtown area, directly across from Garden Grove City Hall. The park runs along Euclid Street from Acacia Parkway to Stanford Avenue. The park is approximately four (4) acres in area. Civic Center Park is a passive park in the City of Garden Grove. Park activities include strolling, dog walking, picnicking, informal exercising and a place to gather.

Currently the City of Garden Grove has a campaign to revitalize the downtown area. New restaurant and entertainment development is occurring throughout the downtown and Civic Center Park is in the hub of it all. A redesign of the park to include a family friendly water spray pad feature, benches and sitting areas for people to gather, kiosk locations for small commercial vendors and open space for special events.

Scope of Work-OPTION B

The scope of work shall include a conceptual design and documentation of the proposed improvement to Civic Center Park as described above including drawings with the following general requirements:

1. Produce three (3) conceptual design plans for review, comment and selection that include (at minimum) the above proposed improvements. A final preferred option shall be included among the

three (3) conceptual design plans that will be recommended to the City Council.

2. Prepare a brief overview of the park project, demographics and community input regarding the design of the conceptual plan,
3. Prepare a rough cost estimate in the form of range for the proposed improvements for the conceptual design.
4. A minimum of nine (9) meetings will be required to ensure that all programming and design needs are met. These meetings shall include a kick off meeting, four (4) team review meetings, two (2) community-wide meetings, one (1) City Council presentation and one (1) Parks, Recreation and Arts Commission presentation.

Provide a statement of proposed cost that include all work to be performed and all costs for which the Consultant expects to be paid. Provide a breakdown of the anticipated hours required, by task and personnel, with proposed billing rates.

NOTE: Both Options A and B will be an option for the City to select as part of the contract based on available funds in the budget. It is mandatory for all proposers to include pricing for both Option A and B as separate line items. The Pricing component of the evaluation process will NOT include these options.

PROPOSAL FORMAT AND CONTENT

A brief description of the proposer's philosophy and/or approach to the project should demonstrate the team's understanding of the project. If the consultant is unable to determine the extent of work required based on the information provided in the RFP, this should be stated as well. Proposals should be typed and be as brief as possible. They should not include any elaborate or unnecessary promotional material. Each proposer should adhere to the following order and content (no exceptions) of proposal sections:

- A. **Cover Sheet with Contact Information:** This sheet should have primary contact information including name, address, organization name, phone number and email address.
- B. **Transmittal Letter:** The transmittal letter should include the signature of the person authorized to obligate the firm and disclose any financial, business, or other relationship with the City of Garden Grove that may have an impact upon the outcome of this contract and shall contain a statement which guarantees that the proposal/cost estimate is valid for ninety (90) days. The prospective consultant should also list current clients who may have a financial interest in the outcome of this contract, although it is unlikely the City will entertain any changes. The consultant shall state any exceptions to the standard City Agreement. Indicate compliance with nondiscrimination requirements of the City and State pertaining to the development, implementation, and

maintenance of a nondiscrimination program. The prospective consultant's signature affixed to and dated, to comply, unless exempted, with the nondiscrimination program requirements of Government Code Section 12990 and Title 2, California Code of Regulations, Section 8103.

- C. **Work Program Timeline:** Include a timeline showing the estimated length of time for completion of the master plan process. Time estimates should be expressed in number of days/weeks without reference to a specific starting date. The timeline should identify when draft and final work products will be submitted to City staff.
- D. **Statement of Qualifications and Relevant Experience:** Describe your team's directly related experience over the past five (5) years. Include on each listing the name of the client, description of the work done, primary client contact address and telephone number, and dates for the project. In addition, include the name of the project director and/or manager and members of the proposed project team who worked on the project, as well as their respective responsibilities.
- E. **Background and Approach:** Describe your understanding of the City, the proposed work to be completed, and the site opportunities and constraints.
- F. **Work Plan & Scope of Work:** Describe the sequential work tasks you plan to carry out in accomplishing each of the components identified in the Project Organization and Scope of Work section of the RFP. (Provide work plan provisions to include public input within the design, where warranted.) In general, this includes individual meetings with staff and community groups (stakeholders), and (for intermediate and final design phases) public meetings that discuss project updates, estimates, or significant deviations from the proposed concepts of the master plan. Provide line items for these cost options.
- G. **Project Organization and Staffing:** Briefly describe your approach and methods for managing the project, and provide an organizational chart showing all proposed project team members. Briefly describe the responsibilities of each person on the project team. Identify the project director and/or manager, and the person who will be the key contact with the City of Garden Grove. Also include brief resumes for each member of the project team.
- H. **Conflict of Interest Statement:** Include a statement disclosing any involvement with plan/ development projects in the City of Garden Grove by the consultant (and sub-consultants) within the last year. The City of Garden Grove reserves the right to reject any proposals having the potential for conflict of interest.

I. **References:** Please provide three (3) references for the same type of services within the past five years. Please include the clients name, project description, project/contract dates (starting and ending), client project manager name, email address and telephone number. Please make sure that the information provided for your references is current and accurate. References will not be considered if information provided is inaccurate. *Please Do Not use the City of Garden Grove as a reference. The City of Garden Grove reserves the right to contact any of the organizations or individuals listed.*

J. **Cost Proposal:** Consultants shall provide a cost proposal on a separate sheet, included under the same cover as the consultant's proposal. The cost proposal shall be submitted in a spreadsheet format and include breakdowns of all phases and a cost for each. The consultant is free to format tasks/milestones under each phase as deemed appropriate based on past experience and understanding of the project. ***Please make sure that pricing is include for:***

OPTION A: ADA Recommendations should be listed as a separate line item in the pricing so that the City can determine if it will be included as part of the contract based on available funding in the budget.

OPTION B: Preparation of a Civic Center Park Conceptual Plan should be listed as a separate line item in the pricing so that the City can determine if it will be included as part of the contract based on available funding in the budget,

The required proposal pricing is to be submitted based on a not-to exceed total amount for all services required in the Scope of Work.

Please make sure that the not to exceed total amount for all services is included in your proposal or your proposal may be deemed as non-responsive at the City's discretion. Proposers may optionally include hourly rates based on the project team job titles for any additional work that the City may elect to do under the contract. **Hourly rates may not be submitted in lieu of the required format of the proposal pricing.** *The City may elect to contract all or only some of the phases of work based on current funding in the budget as its sole discretion.*

K. **Required City Documents:** All required City required documents must be signed by an authorized party and included in the proposal on the due date and time. These documents are included in this RFP document on the pages indicated below. Failure to provide these documents with your proposal may result in your proposal being deemed as non-responsive at the City's discretion.

a. Proposal Letter/Certificate of Acceptance (Pages 10-11) completed and executed by an authorized representative of the Proposer.

- b. Bidder/Contractor Statement (Page 12)
 - c. Anti-Collusion Statement (Page 13)
 - d. Statement of Compliance (Page 14)
- L. The City of Garden Grove will not pay any cost incurred by any consultant resulting from preparation or submittal of a proposal in response to this RFP. The City reserves the right to modify or cancel in part, or in its entirety, this RFP. The City reserves the right to reject any or all proposals and to waive any defects and/or Informalities.

SUBMITTAL REQUIREMENTS

1. A statement of qualifications, including at least one link to a recent Park, Recreation and Facilities Master Plan. If the sample was not prepared by the team members who will be working on the City of Garden Grove Master Plan, include relevant samples (or links to samples) of work by those team members.
2. A brief description of your philosophy and/or approach to the project which demonstrates the team's understanding of the project and the relevant issues.
3. A proposed public input process including expected outcomes of each meeting.
4. A proposed Scope of Work describing your approach to accomplishing the objective stated in the RFP and identifying the methodology proposed. The consultant is encouraged to include suggestions or supplemental tasks which may enhance the project or streamline the scope of work and improve cost effectiveness. Clearly articulate all assumptions regarding data and information that you expect from the City. Provide a detailed list of all products/deliverables anticipated as a result of the Master Plan project.
5. Proposed timeline. City would like to complete this effort within a six month time frame

LIST OF PARKS AND OTHER LOCATIONS

1. Atlantis Play Center, 13630 Atlantis Way.
2. Chapman Sports Complex, 11700 Chapman Avenue
3. Eastgate Park, 12001 St. Mark Street
4. Edgar Park, 12781 Topaz Street
5. Faylane Park, 11700 Seacrest Drive
6. Hare School Park, 12012 Magnolia
7. Jardín de los Niños, 12534 Keel Avenue
8. Magnolia Park, 11402 Magnolia Street
9. Morningside School Park, 10468 Morningside Drive
10. Pioneer Park, 12722 Chapman Avenue
11. Shelley Kensington Park, Shelley Drive & Kensington Lane
12. Village Green Park, 12732 Main Street
13. West Grove Park, 5372 Cerulean Avenue
14. West Haven Park, 12252 West Street
15. Woodbury Park, 13800 Rosita Place

Not to be included: Civic Center Park, Euclid St & Acacia Pkwy. (Please see OPTION B.)

LIST OF FACILITIES

1. Buena Clinton Youth and Family Center, 12661 Sunswept Avenue
2. Magnolia Park Family Center, 11402 Magnolia Street
3. H. Louis Lake Senior Center, 11300 Stanford Avenue
4. Community Meeting Center, 11300 Stanford Avenue
5. Courtyard Center, 12732 Main Street
6. GEM Theatre, 12852 Main Street
7. Festival Amphitheatre, 12762 Main Street
8. Garden Grove Sports and Recreation Center, 13641 Deodara Drive

SELECTION PROCESS

The City will use the rating criteria listed in this RFP to determine each consultant's suitability to perform this work.

The City's selection committee will review all proposals based upon the above stated criteria and will select proposers who will be invited to make individual presentations. Presentations will be at the discretion of the City.

Following the interview process, it is the intention of the City of Garden Grove to select one consultant based solely on this RFP and on the quality of the proposals received.

Work Plan & Scope of Work

The *Richard Fisher Associates'* team members look forward to working on projects where our Professional Parks & Recreation Team gets to combine our creative and innovative design talents with our exceptionally experienced management skills in helping our clients achieve their Parks & Recreation goals. We feel that the City of Garden Grove *Parks, Recreation & Facilities Master Plan* is one of these projects, and we commend the City for undertaking this important effort! Our approach to this project will be to become intimately familiar with the City's park facilities and its recreational needs through studying the existing files, plans, and documents; meet with Recreation Program staff to understand programs currently offered; meet with the Parks Operations leader in the Public Works' Maintenance Operations Division to gain his insight into facility challenges facing the City; and make site visits to all City parks, taking lots of digital photographs.

With the *RFA* team having previous experience with the preparation of eight (8) Parks & Recreation Master Plans, many efforts in the preparation of this Master Plan will be streamlined. A key component in the success of this endeavor is in knowing the questions needing asked, and taking information from these responses to analyze; combine with regional trends in providing Park facilities and Community Services programs; and formulate recommendations for short and long-range facility improvements and program opportunities for the City's constituents.

PARKS, RECREATION AND FACILITIES MASTER PLAN

Phase 1: Data Gathering & Evaluation

Task A – Approach & Methodology

Step 1 – Preliminary Research & Data Gathering

We will start the *Parks, Recreation & Facilities Master Plan* process by meeting with City staff. Of first priority will be to go over the City's goals and expectations of the Master Plan to assure that we have a strong understanding of the City's expectations. This introductory effort will also include discussions with City staff for the refinement of both the Master Plan process and the related Master Plan Preparation Schedule.

Step 2 – Collection of City Documents & Contacts

At this time, we will gather all available park facility summary lists, existing plans and records, all available data on participation levels in existing recreation / community services programs, as well as contact lists for sharing of information.

In addition, the City of Garden Grove staff will provide any available information on the local community being served, to include:

- Local School facilities (at intermediate schools and high schools) available to the community
- Private facilities available for parks and recreation / community services uses
- Listings of current partnerships and collaborations providing recreation / community services facilities

Step 3 – Collection of the City Documents & Data

Simultaneously, we will gather all available demographic data, and pertinent information relating to growth projections and services which may impact the provision of park facilities and recreation / community services programs to the community (as this information relates to the need for development of new facilities).

Task B – Parks and Facilities Assessment & Analysis

Step 1 – Update Inventory of Existing Parks and Facilities' Amenities

Step 2 – Assessment of Existing Parks and Facilities' Amenities

We will visit all existing City parks and facilities to inspect and evaluate the existing conditions, update the City-provided inventory of all the existing parks and facilities, and record notes of specific opportunities and constraints of each site. We will pay special attention to those areas within any park facility that appear to be developed below their recreational potential. Through the use of our "Smart Level", we will evaluate the primary (most-accessible) route into each park, to determine any abilities to improve upon / attain full compliance with ADA accessibility standards.

In addition, we will review the existing inventories to reflect current amenities being offered throughout the City. This effort includes all intermediate schools and high schools in the City, but excludes the elementary schools.

Discussions with City staff will focus on information available on the scheduled uses of all park facilities, as well as player ages, numbers of participants, and types of activities by various sports groups.

Step 3 – Assessment of ADA Accessibility in Parks & Facilities

As a part of the field review of each park, our Consulting Team will evaluate the primary access way (only) as to its conformance with ADA accessibility design standards. Without being able to have City of Garden Grove provided As-built Grading Plans for each park facility, RFA will rely on its "Smart Level" device, which will indicate the gradient of the path-of-travel. Measurements will be taken to determine the quantity of walkway surfacing replacement which might be required to gain conformance.

As an Optional Services Task, this Proposal offers a City-wide public parks and facilities ADA accessibility review (see 'Option A: Recommend Improvements related to ADA Accessibility of Existing Parks and Facilities at the end of this Section').

Step 4 – Assessment of local Non-City Parks & Facilities

With guiding input from the City of Garden Grove staff, our Consulting Team will visit and evaluate local non-City Parks and Recreation Facilities / School Facilities / Regional Recreation Facilities which are serving the community.

Task C – Recreation Program Participation Assessment & Analysis

Step 1 – Inventory of Existing Recreation / Community Service Programs, Activities and Services as this Data relates to Parks and Facilities Usage

RFA's Lead Recreation Specialist will spend time with City staff, gathering all available printed and verbal information, including the current inventory of recreation programs and special events, the level of participation by the community, current recreation facilities' joint-use agreements and partnerships, and other valuable information which City staff feels should be shared.

This effort will culminate in creating a matrix of the participation levels of all public recreation programs being provided to the community, in order to analyze potential needs for expansion of current parks and facilities to meet future needs.

Phase 2: Community Input Process

Communication is the key to a successful Phase 2 of this Master Plan process. We feel strongly that for this *Parks, Recreation & Facilities Master Plan* to be an accurate, useful, pertinent tool for the City of Garden Grove, the community must play an active role in the Master Plan process. We will organize and

conduct fun and exciting Community Meetings to draw out input from neighbors, community members, City staff and existing specific user groups. We will ask a lot of questions and do even more listening. We will maintain control of the meeting when emotions run high and we will listen. We will make sure everyone has a chance to speak and express their opinions, and then we will listen some more. For those who wish to decline from participating in publicly commenting, we propose to facilitate their input through communications by marker pens on butcher paper-covered tables. We have had a lot of practice running workshops, community meetings and doing presentations for City Boards, Commissions, and City Councils, both as consultants and as Public Agency employees. We feel this experience level is unique and gives us a full understanding of the process, which separates us from other Landscape Architectural firms.

RFA's Consulting Team Leaders will meet with City staff to customize the methodologies for the effort of community outreach for the **Parks, Recreation & Facilities Master Plan**. The ultimate customized methodologies will be invaluable tools in gathering input from the community on the uses and desires for Parks and Facilities. This Proposal assumes that **RFA** will prepare graphics for the notification of public meetings while all actual notifications for meetings will be handled by the **City of Garden Grove**.



Task D – Community & Stakeholder Input & Analysis

Step 1 – Web-based Survey Preparation

- An important methodology to gain input, particularly for those who will not attend a public workshop, is to conduct a Web-based Survey. This important solicitation will be custom designed and overseen by highly-experienced staff from our sub-consulting team members at Left Brain Concepts, Inc (LBC, Inc). Following their preparation of the draft survey, the **City of Garden Grove** staff will be requested to review and comment on any revisions desired. Again, with the new Council Districts in the City, the web-based survey will include the ability for respondents to indicate the Council District in which they reside (see discussion in Step 3, below).

Step 2 – Preparation of a Baseline Service Level

To establish a baseline level of Parks and Facilities, we will need to first identify the level of parks and facilities that the **City of Garden Grove** is currently providing. We will then look at current opportunities and constraints of facilities and staff to identify possible areas of service expansion. Thorough research, professional experience, and data collection from other providers of park facilities and recreation services within the local region will be used to develop options of service. Information from community members, City staff, interest groups, and even parks and program participant interviews, will be key to determining the proposed level of parks and facilities that will be appropriate for the **City of Garden Grove** in meeting the needs for the next 15-year period.

Step 3 – Conduct Web-based Survey

LBC, Inc staff will oversee the web-based survey for citizens community-wide to respond to the survey during a 2-week window of opportunity. *[NOTE: The survey will be prepared in English, but may be conducted in additional languages (i.e., Vietnamese and/or Spanish) for an additional negotiated rate].*

RFA proposes to have the **City of Garden Grove** publicize the survey through mailings, announcements in the local newspapers, and in mailings directing people to link to the survey on the City's webpage. LBC, Inc will coordinate with the City's IT manager to place the survey on the City's webpage, then accept the responses from these surveys.

The *RFA* team is well aware that in 2016, the **City of Garden Grove** has revised its local representation through the creation of 6 Council Districts rather than Council Members serving the community-at-large. As there is a strong likelihood that Council members may put a priority on being able to review community input specific to participants within their respective District, we are offering the analysis of the web-based survey which would be District-specific.

Immediately following the completion of the survey window of opportunity, LBC, Inc. staff, by importing responses through the Survey Monkey interface, will use their powerful software, The Survey System, which was designed to compile and analyze responses to surveys. Unlike the final product obtained from Survey Monkey, The Survey System will allow us to sort, filter and conduct numerous statistical analyses, including comparing responses by Council Districts. A detailed summary and report will then be completed with senior-level staff preparing citizens' recommendations. Upon completion of all Data Analysis, a draft report will be generated for *RFA* and the **City of Garden Grove** to review.

Following this draft review, a final report will be prepared to reflect the study's objectives. We are particularly focused on assuring that this report is strategic in nature and recommendations are actionable as responses to community input.

Step 4 – General Public Forum Workshops / Meetings (2)

Step 5 – Workshop with Sports League User Groups (1) (Optional)

Step 6 – Field Observations / Interviews with Park & Program Participants

Step 7a – Meetings with the City of Garden Grove Staff (3-5)

Step 7b – Workshop with the Garden Grove Parks, Recreation and Arts Commission [(1)-Basic Services and (1) Optional Services]

Step 7c – Presentation to the Garden Grove City Council [(1)-Basic Services and (1) Optional Services]

RFA anticipates conducting public interviews at several of the City's park sites, offering participants an opportunity to communicate desires for upgrades and/or additional amenities within the parks. In addition to open discussions, participants will have an opportunity to offer specific facility and program input.

Using the feedback from the Community Input Process, the **City of Garden Grove** staff direction, and our team's professional training and experience, we will prepare a list of recommendations for each park site. The goal of the Master Plan process is to be able to meet the recreational needs of the community through adequate parks and facilities, reflect the information gathered at the Community Workshops, and provide functional, safe and maintainable recreational spaces. Using the unique depth of experience that we already have, information from the workshops, summary information gathered from the web-based survey, and combining it with specific site information we will solicit from the City staff, we will evaluate the current park uses and conditions, paying close attention to safety, orientation, circulation, (ADA) accessibility, visibility, usability, ease of maintenance, durability and aesthetics.

Step 8 – Community Input Analysis & Summarization

Establishing a suitable methodology for determining participation rates is a critical step for identifying current and projected facility requirements for the **City of Garden Grove**. Our methodology for determining the participation will consist of several steps that will include, but not necessarily be limited to, the following; examining the documented Recreation & Human Services staff's registration records, sports groups' registration documents, other special interest groups, and focused discussions with City staff to best understand current uses of facilities and staff recommendations for facility use optimization and/or expansions.

Articulating the City's Parks and Facilities Goals, Policies and Actions will require carefully analysis of data and information we will be receiving from the Surveys, Community Workshops, and meetings with City staff. Careful consideration will have to be given to how the facilities, both existing and proposed amenities, will be able to keep up with the increasing participation rates without overburdening the staff and facilities. From our Public Agency employee experience, we know that maintenance budgets are rarely increased, even when new facilities, or even entirely new parks, are built within the agency's boundary and added to the staff's responsibility.

RFA will prepare a summary of Facility Improvement Needs that are the outcome of the Community Input Process.

Step 9 – Project Progress Meetings

The **RFA** Key Team Members will conduct monthly Project Progress Meetings with City staff, identifying at each meeting where the Master Plan process is in the adopted project schedule. The Team will assist the **City of Garden Grove** Project Manager with preparing Project Status Reports for City Council updates. As directed by City staff, **RFA** has the ability to make high-quality presentations to the Commission and/or City Council as well.

Phase 3: Comprehensive Master Plan Parks & Facilities Recommendations

Task E – Parks & Facilities Recommendations

Step 1a – Recommendations for Potential Park Developments & Renovations

Step 1b – Prepare Aerial Plan w/ Overlay for Potential Development & Renovations (max. of 6 parks)

Step 2 – Discussions on Funding Priorities for Parks and Facilities

Step 3 – Summary of Planning Demographics & Issue Impacts for the Master Plan

The **RFA** team will complete a comprehensive report of current inventories of existing and proposed park acreage and their facilities. In addition, the consulting team will prepare recommendations for upgrades to Parks & Facilities as a part of the Master Plan Document. Specific park amenities and upgrades will be discussed in narrative detail. Development of Park Concept Plans (graphic) for all of the parks listed on the City website is not a part of this Proposal's Scope of Work. However, the manner in which graphic presentations for proposed amenities is discussed immediately below.

At the time of preparation of this Proposal, neither the **City of Garden Grove** nor **RFA** staff can determine the number of existing parks which will ultimately require graphic exhibits with proposed amenities for inclusion in the Final Master Plan. However, for this Proposal, **RFA** has made the following assumptions:

- Graphics depicting proposed additional park amenities will be prepared using Google Aerial Photos of each selected park, with proposed amenities graphically indicated on a transparent overlay. These graphics will ultimately be scanned into electronic format.
- Of the current City Parks, the assumption is that (5) parks will require graphics depicting proposed additional / modified amenities.

- Should more than (5) of the existing parks require graphic preparations, *RFA* requests that the additional work effort be considered Additional Services, and an equitable fee adjustment will be worked out between the **City of Garden Grove** and *RFA*.

A summary discussion will also be prepared regarding the **City of Garden Grove's** priorities in funding both parks and facilities renovations and/or expansions. These recommendations will be the product of the documented outcomes from the Needs Assessment process.

A summary of how the City's Planning Demographics impact the proposed park improvements will be prepared. Brief discussions of regional, state and national trends will be included, while the main emphasis of these recommendations will focus on both short-term and long range plans to assist in the annual budget process for the **City of Garden Grove**.

Phase 4: Fiscal Analysis

Task F – Fiscal Analysis & Recommendations

Step 1 – Financing & Revenue Analysis

Step 2 – Funding Alternatives

Step 3 – Partnership & Joint-Use Assessment & Recommendations

As a part of the fiscal analysis and recommendations, *RFA* will look at various funding alternatives that are successful with other municipalities; as well as opportunities and expansions of Joint-Use Agreements with the local School District, and other local community organizations.

Step 4 – Capital Cost Estimates

Using the Google Aerial Photos and limited field area calculations, the *RFA* team will assign "typical" park development costs for any new amenities that are included in the recommendations within the Master Plan. Because the preparation of Park Improvement Plans is not a part of this Scope of Work, all Capital Cost Estimates will be based on recent typical costs for other projects for other clients.

Step 5 – Capital Funding Sources

Step 6 – Grant Funding

The *RFA* team will prepare a discussion section regarding Capital Funding Sources. The team anticipates the Action Plan will discuss specific strategies for soliciting and managing a highly-defined Grant Funding Program.

Phase 5: Action Plan Development

Task G – Implementation Strategies

Step 1 – Action Plans for Implementation of Master Plan Recommendations

As the final efforts of the evaluations of Parks and Facilities needs, Grant Funding, and other segments of the Master Plan, the *RFA* team, with close interaction with key **City of Garden Grove** staff, will develop a multi-faceted Action Plan to address where the recommendations of the Master Plan will go from here. Some steps may include further design efforts for specific amenities, contracting for Grant Program efforts; and/or other steps. This process will be addressing the priority of many of the potential Action Items, as well.

Step 2 – General Policies & Procedures

As the community makes requests for, and any recommended modifications to the Parks and Facilities are evaluated and summarized, the *RFA* team proposes to request the **City of Garden Grove City Council** interaction on the refinement of a *Parks & Recreation Policies and Procedures Statement*. This

Document will assist staff in moving forward with the various levels of services and facilities that are in concert with the Policies Statement.

Phase 6: Master Plan Submittals and Approval

Task H – Submittals, Reviews and Approval Procedures

Step 1 – Draft Master Plan Submittal & Presentations

Step 2 – Final Master Plan Submittal & Presentations

The **City of Garden Grove Parks, Recreation & Facilities Master Plan** will be presented to the Parks, Recreation and Arts Commission for initial presentation of the draft document and could be presented again as a final recommending approval step (Optional Services). The final **Parks, Recreation & Facilities Master Plan** will be presented to the City Council for final adoption. Should the City Council desire to have the draft document also presented to them following the initial presentation of the draft document to the Commission, this additional presentation can be made as an Optional Services item. These presentations will be a collaborative effort of key **City of Garden Grove** staff and **RFA** key team members. As stated earlier in this submittal, we have successfully presented over 150 projects to Parks & Recreation/Community Services Commissions, Planning Commissions, and City Councils!

Within this Scope of Work, we have allowed for up to four meetings to present the Master Plan to the Commission and City Council. We look forward to these meetings with your decision makers to initially summarize the process and inputs received from the citizens, and ultimately obtain approval of the final **Parks, Recreation & Facilities Master Plan**.

The Draft Master Plan Document: A completed Draft Master Plan document with all graphics and text, with (3) sets of bound copies, will be delivered to the **City of Garden Grove** for review and final comments.

The Final Master Plan Document: 100% complete, original camera-ready art, digital files, and all graphics and text, along with (1) final bound copy and in electronic format, will be delivered to the **City of Garden Grove** for final City Council approval.

Inventory of all Existing Parks and Park Facilities: From the current Inventories provided by the **City of Garden Grove** staff, and field inventory process included in Phase 1, we will prepare a Park Inventory section within the final document. Included in this section will be an 8 1/2" x 11" Matrix, including each of the existing park sites and a written list of the existing park facilities and furnishings. We also propose to include a quick reference matrix summarizing all of the park sites and a list of their existing facilities on one sheet.

OPTION A: Recommend Improvements to Americans with Disabilities Act (ADA) Accessibility of Existing Parks & Facilities

Task I – ADA Accessibility Review

Richard Fisher Associates is pleased to also propose to provide professional services to evaluate all City parks and facilities for the exterior site improvements' compliance with ADA Accessibility criteria. The **RFA** team includes Gary Groshon as an expert in the interpretation of Federal design criteria for ADA compliance and conducting site inspections to compare site conditions with the Federal standards.

Gary will inspect all City parks and facilities, initially to identify any exterior accessways, furnishings and equipment which do not meet the DOJ –ADA 2010 Standards for Accessible Design. These conditions will be described in a brief report and documented with photographs.

The quantities of replacement equipment and furnishing, and the walkway surfacing in non-conformance conditions will be calculated to determine the potential costs for removal and replacement. *RFA* staff will add the calculated costs of this remedial work to the comprehensive Capital Cost Estimates work prepared within Phase 4, Task F-4 of the Master Plan.

OPTION B: Preparation of a Civic Center Park Conceptual Plan

Richard Fisher Associates is pleased to propose to provide professional services to prepare Conceptual Plans for the Civic Center Park Renovation, to include the following steps.

Task J – Preparation of a Civic Center Park Conceptual Plan

- Step 1 – Conduct Kick-off Meeting with City Staff**
- Step 2 – Prepare Aerial Topographic Survey and Base-sheet Data**
- Step 3 – Prepare Materials for Community Outreach Meetings**
- Step 4 – Conduct Initial Community Outreach Meeting (1)**
- Step 5 – Conduct Team Review Meetings (4)**
- Step 6 – Prepare (3) Conceptual Designs (color-rendered)**
- Step 7 – Conduct Second Community Outreach Meeting (1)**
- Step 8 – Refine Preferred Conceptual Plan (color-rendered)**
- Step 9 – Prepare Cost Estimates of Preferred Conceptual Plan**
- Step 10 – Present Preferred Conceptual Plan to the Parks, Recreation & Arts Commission**
- Step 11 – Present Preferred Conceptual Plan to the City Council for Approval**

RFA will prepare up to (3) Conceptual Plans for this park, with variations in the designs to reflect the consensus voiced by the Initial Community Outreach participants. Following a City staff-level review of the Conceptual Plans, we will color-render these plans so that they are readable at the second Community Outreach Meeting. It will be the goal to gain consensus on the preferred Conceptual Plan at this second meeting, with limited minor modifications requested by the participants being implemented to create the Preferred Conceptual Plan. This plan will be color-rendered and used for presentations to the Parks, Recreation & Arts Commission and to the City Council.

**CITY OF GARDEN GROVE
PARKS, RECREATION AND FACILITIES MASTER PLAN COST PROPOSAL**

Phase / Item	DESCRIPTION OF TASKS	MICHAEL FISHER ASSOCIATES				TOTAL LABOR	TOTAL	G. LETO	T. BALL	TOTAL	TOTAL	TOTAL
		PHASE	ASBCC	CAIRO	WP			CHBLT	COORD	COORD	COORD	
		PHASE 1	\$12,000	\$11,000	\$8,000							
Phase 1												
1	Meeting: Goals & Expectations, Program for the Master Plan	4			2	\$700.00	\$184.00					\$884.00
2	Partnership to other Parks and Facilities, other City Departments	6			2	\$800.00	\$560.00					\$1,360.00
3	Outdoor City Demographics and Planning Data	4			2	\$700.00	\$560.00					\$1,260.00
Phase 2												
1	Update City Parks and Facilities Inventory	2	20	20		\$4,100.00	\$738.00					\$4,838.00
2	Assessment of Parks and Facilities Assets	2	42			\$4,100.00	\$738.00					\$4,838.00
3	Assessment of ADA Accessibility in Parks & Facilities (See Option A below)	2	8			\$1,170.00	\$216.00					\$1,386.00
4	Assessment of Parks and Facilities Assets	4				\$4,100.00	\$738.00					\$4,838.00
5	Inventory of City Parks, Recreation, Activities, Services	24	70	20	8	\$11,540.00	\$3,838.00	\$3,838.00	\$3.00	\$3.00	\$3.00	\$11,550.00
Phase 3												
1	Web-based Survey Preparation	4			2	\$700.00						\$2,400.00
2	Needs Assessment Survey Preparation	8			2	\$1,200.00						\$1,200.00
3	Analysis / Summarization Web-based Survey Findings	4				\$800.00						\$7,400.00
4	Community & Stakeholder Workshops / Meetings (2)	6			6	\$1,200.00	\$500.00					\$1,700.00
5	Optional Workshops with Sports League User Group (1)	3			2	\$600.00	\$300.00					\$900.00
6	Field Observations / Interviews of Park / Program Participants	8				\$470.00	\$738.00					\$1,208.00
7	Report Meetings	6			1	\$100.00	\$738.00					\$1,538.00
8	City Staff (1-3)	3			1	\$400.00	\$144.00					\$544.00
9	Parks, Recreation & ADA Committee (1-3) Meetings	3			1	\$400.00	\$144.00					\$544.00
10	City Council (1-3) Meetings	3			1	\$400.00	\$144.00					\$544.00
11	City Council (1-3) Meetings	3			1	\$400.00	\$144.00					\$544.00
12	Community Input Analysis / Summarization	8				\$1,900.00	\$300.00					\$2,200.00
13	Facility Needs & Trend Analysis	8				\$1,900.00	\$300.00					\$2,200.00
14	Project Program Meetings with City staff (1 / month)	21			17	\$12,180.00	\$4,335.00					\$16,515.00
Phase 4												
1	Facilities & Program Recommendations	27	8	0	17	\$12,180.00	\$4,335.00					\$16,515.00
Phase 5												
1	Recommendations for Potential Developments & Renovations	24			2	\$3,480.00	\$581.00					\$4,061.00
2	Program Asset Plans w/ Overlay for Potential Developments & Renovations (5 Maps)	12	90	110	2	\$21,110.00	\$348.00					\$21,458.00
3	Discussions on Funding Priorities for Parks & Facilities	8			4	\$1,400.00	\$348.00					\$1,748.00
4	Summary of Planning Demographics & Issues Impacts for the Master Plan	8				\$1,400.00	\$348.00					\$1,748.00
Phase 6												
1	Final Analysis	62	90	110	8	\$27,100.00	\$1,104.00					\$28,204.00
Phase 7												
1	Final Analysis & Recommendations	4			2	\$700.00	\$348.00					\$1,048.00
2	Final Analysis & Recommendations	2				\$800.00	\$581.00					\$1,381.00
3	Final Analysis & Recommendations	2				\$800.00	\$581.00					\$1,381.00
4	Final Analysis & Recommendations	2	18	7	3	\$3,180.00	\$348.00					\$3,528.00
5	Final Analysis & Recommendations	2				\$800.00	\$348.00					\$1,148.00
6	Final Analysis & Recommendations	2				\$800.00	\$348.00					\$1,148.00
Phase 8												
1	Action Plans for Implementation of Master Plan Recommendations	18	18	7	5	\$3,000.00	\$2,300.00					\$5,300.00
Phase 9												
1	Action Plans for Implementation of Master Plan Recommendations	12			3	\$1,200.00	\$552.00					\$1,752.00
2	General Policies & Procedures	8			2	\$1,200.00	\$552.00					\$1,752.00
Phase 10												
1	Master Plan Submittal and Approval	20	0	0	8	\$3,200.00	\$1,104.00					\$4,304.00
Phase 11												
1	Submittal, Review, and Approval Procedures	12			6	\$2,400.00	\$348.00					\$2,748.00
2	Final Master Plan Submittal & Presentation	4			2	\$700.00	\$348.00					\$1,048.00
Phase 12												
1	Final Master Plan Submittal & Presentation	18	0	0	8	\$3,000.00	\$2,300.00					\$5,300.00
TOTALS												
		108	90	93	67	\$15,410.00	\$5,720.00	\$5,720.00	\$3,000.00	\$3,000.00	\$3,000.00	\$15,410.00

Michael Fisher Associates
 Submittable expenses are in addition to fees for professional services. Other costs or reimbursable expenses are billed at cost plus a 15% processing fee.
 For budgeting purposes, we recommend an allowance of \$1,000.00 be appropriated for reimbursable expenses.

**CITY OF GARDEN GROVE
PARKS, RECREATION AND FACILITIES MASTER PLAN COST PROPOSAL**

CITY OF CHICAGO DEPARTMENT OF PARKS, RECREATION & ARTS BUDGET FISCAL YEAR 2025 BUDGET CATEGORY: 0100 - PARKS, RECREATION & ARTS BUDGET SUB-CATEGORY: 0100 - PARKS, RECREATION & ARTS BUDGET LINE ITEM: 0100 - PARKS											
--	--	--	--	--	--	--	--	--	--	--	--

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To:	Scott C. Stiles	From:	William E. Murray
Dept.:	City Manager	Dept.:	Public Works
Subject:	Approval of a Cooperative Agreement with the City of Westminster for a rehabilitation project on Westminster Boulevard from Newland Street to Magnolia Street. (Cost: \$173,231) (<i>Action Item</i>)		
		Date:	3/13/2018

OBJECTIVE

For the City Council to approve a Cooperative Agreement between the City of Westminster and the City of Garden Grove, with the City of Westminster as the lead agency, for the rehabilitation of Westminster Boulevard from Newland Street to Magnolia Street.

BACKGROUND

The City of Westminster is preparing a rehabilitation project for Westminster Boulevard from Newland Street to Magnolia Street and has offered to improve the section of Westminster Avenue in Garden Grove. Approximately one-sixth of the work lies within Garden Grove's boundary. The proposed agreement is for construction costs and construction administration of Garden Grove's portion of the project.

DISCUSSION

Staff has reviewed the plans, specifications, and construction estimate of the project, and verified the work located within Garden Grove's portion. The contractor's bid received by the City of Westminster for the City of Garden Grove's portion is \$173,231.00.

FINANCIAL IMPACT

There will be no financial impact to the General Fund. This improvement is included in the 2017-18 Capital Improvement Budget and is funded by Measure "M2" Fairshare.

RECOMMENDATION

It is recommended that the City Council:

- Approve the Cooperative Agreement, in the amount of \$173,231, with the City of Westminster for the rehabilitation of Westminster Boulevard from Newland Street to Magnolia Street and;
- Authorize the City Manager to execute the agreement, and make minor modifications as appropriate thereto, on behalf of the City.

By: Nick Hsieh, P.E.
Associate Engineer

ATTACHMENTS:

Description	Upload Date	Type	File Name
COOP AGREEMENT	3/1/2018	Backup Material	COOP_WESTMINSTER_REHAB_3_1_18.pdf

AGREEMENT

THIS AGREEMENT ("Agreement"), dated this _____ day of _____, 2018, is made and entered into by and between the City of Westminster, a municipal corporation, hereinafter referred to as "**WESTMINSTER**" and the City of Garden Grove, a municipal corporation, hereinafter referred to as "**GARDEN GROVE**".

WITNESSETH:

WHEREAS, WESTMINSTER is contemplating the rehabilitation of the pavement surface of that portion of Westminster Avenue from Newland Street to Magnolia Street, located in the City of Westminster, (hereinafter the "**WESTMINSTER PORTION**"); and,

WHEREAS, there is a portion of Westminster Avenue located within the boundaries of **GARDEN GROVE** (hereinafter "**GG PORTION**"); and,

WHEREAS, GARDEN GROVE desires to have **WESTMINSTER** rehabilitate the **GG PORTION** of Westminster Avenue in conjunction with the **WESTMINSTER PORTION**, collectively the "**PROJECT**", and **WESTMINSTER** is willing to do so. The exact location of the GG PORTION is described in detail in the document attached hereto as Exhibit A, incorporated herein by this reference. The estimated cost of the **GG PORTION**, including a ten percent (10%) contingency, is One Hundred Seventy-Three Thousand and Two Hundred and Thirty-One Dollars (\$173,231) (the "Estimated Cost").

NOW, THEREFORE, in consideration of the following promises, covenants, and conditions, the parties hereto do agree as follows:

1. DUTIES OF WESTMINSTER

- a. Upon commencement of the **PROJECT, WESTMINSTER** shall include the **GG PORTION** as a part of **WESTMINSTER's** public works project, prepare the request for bids, hire the lowest responsible bidder (the "Successful Contractor"), and oversee and administer the **PROJECT** in the **GG PORTION** in the same manner and to the same extent as the **WESTMINSTER PORTION**, all in accordance with all applicable laws governing construction of public works by **WESTMINSTER**, including, but not limited to, the California Environmental Quality Act and laws governing public bidding and the payment of prevailing wages. If **WESTMINSTER**, in its sole discretion, determines not to proceed with the **PROJECT** at any time prior to commencement of actual work, this Agreement shall terminate with no further action required by either party. In the event the projected actual cost

of the **GG PORTION**, as reflected in the Successful Contractor's bid, exceeds the Estimated Cost by twenty percent (20%), **WESTMINSTER** shall not award a contract to the Successful Bidder for the **GG PORTION** without prior written approval of **GARDEN GROVE**.

- b. At least thirty (30) calendar days prior to release of the Notice Inviting Bids for the **PROJECT**, **WESTMINSTER's** City Engineer shall provide **GARDEN GROVE's** City Engineer a copy of the **PROJECT's** plans and specifications for his approval, which approval shall not be unreasonably withheld. If **GARDEN GROVE's** City Engineer objects to the plans and specifications, and if his objections cannot be satisfied through discussions with **WESTMINSTER's** City Engineer, the **GG PORTION** shall not be included in the **PROJECT** and **WESTMINSTER** shall proceed with the **WESTMINSTER PORTION** only.
- c. **WESTMINSTER** agrees that it shall not permit nor cause any hazardous materials to be brought upon, kept, used, stored, generated or disposed of in, or, or about the **GG PORTION**. "Hazardous Materials" shall mean any material that, because of its quantity, concentration, or physical or chemical characteristics, or any combination thereof, is deemed by a federal, state, or local governmental authority to pose a present or potential hazard to human health or safety or to the environment.
- d. **WESTMINSTER** shall ensure that its contract with the Successful Contractor requires the Successful Contractor provide insurance acceptable to **GARDEN GROVE** as shown in Exhibit "B," to name **GARDEN GROVE** as an additional insured, and to indemnify, defend, and hold harmless **GARDEN GROVE** in the same manner and to the same extent as **WESTMINSTER**. **WESTMINSTER** shall not permit construction of any portion of the **PROJECT** to commence until evidence of the required insurance and additional insured endorsements have been provided to and approved by **GARDEN GROVE**.

2. **GARDEN GROVE'S DUTIES**

- a. **GARDEN GROVE** shall pay **WESTMINSTER** for the actual cost of the work on the **GG PORTION** based upon unit prices bid of the Successful Contractor and quantities actually used on the **GG PORTION**. **GARDEN GROVE** shall pay **WESTMINSTER** the total amount due for the **GG PORTION** upon official final approval of the work by **GARDEN GROVE** provided that such final approval shall not be unreasonably withheld.
- b. **GARDEN GROVE** agrees that any permits required by the Successful

Contractor for the work to be performed on the **GG PORTION** shall be issued to the Successful Contractor at no cost to **WESTMINSTER** or the Successful Contractor.

- c. **GARDEN GROVE** shall provide its own inspection services for the **GG PORTION** of the work.
- d. **GARDEN GROVE** agrees to fully cooperate with **WESTMINSTER** and the Successful Contractor in the prosecution of the work, traffic control, and any other matters required for completion of the **PROJECT** in the **GG PORTION**.
- e. **GARDEN GROVE** acknowledges that **WESTMINSTER** is not the contractor for the **PROJECT** and that **WESTMINSTER** does not warrant any work performed by the Successful Contractor. Notwithstanding the above, **WESTMINSTER** shall require the Successful Contractor to provide **GARDEN GROVE** with any and all warranties, insurance coverage, and indemnities and any other rights the Successful Contractor agrees to provide to **WESTMINSTER** under the construction contract and as provided by law.
- f. In addition to the above, **GARDEN GROVE** also agrees to pay **WESTMINSTER** for all costs associated with any change orders pertaining to the **GG PORTION**, provided the change orders have been previously approved in writing by **GARDEN GROVE's** City Engineer.

3. **ENTIRE AGREEMENT**

This writing constitutes the entire agreement between the parties with respect to the subject matter hereof, and supersedes all oral or written representations or written agreements that may have been entered into between the parties. No modifications or revisions shall be of any force or effect, unless the same is in writing and executed by the parties hereto.

4. **ORDER OF PRECEDENCE**

In the event of an inconsistency in this Agreement and any of the attached Exhibit, the terms set forth in this Agreement shall prevail. If, and to the extent this Agreement incorporates by reference any provision of any document, such provision shall be deemed a part of this Agreement. Nevertheless, if there is any conflict among the terms and conditions of this Agreement and those of any such provision or provisions so incorporated by reference, this Agreement shall govern over the document referenced.

5. **ASSIGNMENT**

Neither **GARDEN GROVE** nor **WESTMINSTER** may assign or transfer its rights or obligations under this Agreement, or any part thereof, without the written consent of the other party.

6. **ATTORNEYS' FEES**

In the event that litigation is brought by any party in connection with this Agreement, the prevailing party shall be entitled to recover from the opposing party all costs and expenses, including reasonable attorneys' fees, incurred by the prevailing party in the exercise of any of its rights or remedies hereunder or the enforcement of any of the terms, conditions, or provisions hereof.

7. **GOVERNING LAW**

This Agreement shall be governed by the laws of the State of California. If any portion of this Agreement is held invalid under any applicable statute or rule of law, then such portion only shall be deemed invalid. Venue shall exclusively be in a court of competent jurisdiction in the County of Orange, California.

8. **NO WAIVER**

No waiver or failure to exercise any right, option, or privilege under the terms of this Agreement on any occasion shall be construed to be a waiver of any other right, option, or privilege on any other occasion.

9. **NO THIRD PARTY RIGHTS**

The parties do not intend to create rights in, or to grant remedies to, any third party as a beneficiary of this Agreement or of any duty, covenant, obligation, or undertaking established herein.

10. **NOTICES**

Notices and communication concerning this Agreement shall be sent to the following addresses:

WESTMINSTER

City of Westminster
Attention: Marwan Youssef, Ph.D., P.E.
Public Works Director/City Engineer
8200 Westminster Blvd.

GARDEN GROVE

City of Garden Grove
Attention: Dan Candelaria, P.E., T.E.
City Engineer
11222 Acacia Parkway

Either party may, by notice to the other party, change the address specified above. Any notices, documents, correspondence or other communications concerning this Agreement may be provided by personal delivery, facsimile or mail and shall be addressed as set forth above. Such communication shall be deemed served or delivered: a) at the time of delivery if such communication is sent by personal delivery; b) at the time of transmission if such communication is sent by facsimile; and c) five (5) calendar days after deposit in the U.S. Mail as reflected by the official U.S. postmark if such communication is sent through regular United States mail.

11. **EFFECTIVE DATE**

The effective date of this Agreement shall be the latest date of execution hereinafter set forth opposite the names of the signatures hereto.

12. **INDEMNITY**

WESTMINSTER and **GARDEN GROVE** each hereby agrees to indemnify, defend, protect and hold harmless the other party, and its elected and appointed officials, officers, employees, representatives, volunteers, and agents from and against any and all claims (including, without limitation, claims for bodily injury, death or damage to property), demands, workers' compensation benefits, obligations, damages, actions, causes of action, suits, losses, judgments, fines, penalties, liabilities, costs and expenses of any kind or nature, arising from the activities of the indemnitor or its officers, agents, or employees on the **PROJECT**, or any breach of contract, negligent acts, omissions or breach of law, or willful misconduct of the indemnitor, or its officers, agents, or employees arising out of the performance of, or failure to perform, any provisions of this Agreement. Neither party assumes liability for the acts or omissions of persons other than each party's respective officers, agents, or employees. In the event judgment is entered against both parties because of joint or concurrent negligence of both parties, or their officers, agents, or employees, an apportionment of liability to pay such judgment shall be made by a court of competent jurisdiction. The respective obligations of the parties pursuant to this Section shall survive expiration or earlier termination of this Agreement.

13. **COOPERATION**

In the event any claim or action is brought against **WESTMINSTER** relating to the performance rendered under this Agreement, **GARDEN GROVE** shall render any reasonable assistance and cooperation which **WESTMINSTER** might require.

14. **COSTS**

Each party shall bear its own costs and fees incurred in the preparation and

negotiation of this Agreement and in the performance of its obligations hereunder except as expressly provided herein.

15. **HEADINGS**

Paragraphs and subparagraph headings contained in this Agreement are included solely for convenience and are not intended to modify, explain or to be a full or accurate description of the content thereof and shall not in any way affect the meaning or interpretation of this Agreement.

16. **CONSTRUCTION**

The parties have participated jointly in the negotiation and drafting of this Agreement. In the event an ambiguity or question of intent or interpretation arises with respect to this Agreement, this Agreement shall be construed as if drafted jointly by the parties and in accordance with its fair meaning. There shall be no presumption or burden of proof favoring or disfavoring any party by virtue of the authorship of any of the provisions of this Agreement.

17. **SEVERABILITY**

If any provision of this Agreement is determined by a court of competent jurisdiction to be unenforceable in any circumstance, such determination shall not affect the validity or enforceability of the remaining terms and provisions hereof or of the offending provision in any other circumstance. Notwithstanding the foregoing, if the value of this Agreement, based upon the substantial benefit of the bargain for any party, is materially impaired, which determination made by the presiding court or arbitrator of competent jurisdiction shall be binding, then both parties agree to substitute such provision(s) through good faith negotiations.

18. **COUNTERPARTS**

This Agreement may be executed in one or more counterparts, each of which shall be deemed an original and all of which shall constitute but one and the same instrument.

19. **CORPORATE AUTHORITY**

The persons executing this Agreement on behalf of the parties hereto warrant that they are duly authorized to execute this Agreement on behalf of said parties and that by doing so the parties hereto are formally bound to the provisions of this Agreement.

[Signatures on the following page.]

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed on the dates hereinafter respectively set forth.

CITY OF WESTMINSTER,
a municipal corporation

ATTEST:

By: _____
Eddie Manfro, City Manager

Christine Cordon, Westminster City Clerk

APPROVED AS TO FORM:

DATE OF EXECUTION:

Richard D. Jones, Westminster City Attorney

CITY OF GARDEN GROVE,
a municipal corporation

ATTEST:

By: _____
Scott C. Stiles, City Manager

Teresa Pomeroy, Garden Grove City Clerk

APPROVED AS TO FORM:

DATE OF EXECUTION:



Omar Sandoval, Garden Grove City Attorney

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To: Scott C. Stiles From: Teresa Pomeroy

Dept.: City Manager Dept.: City Clerk

Subject: Receive and file minutes Date: 3/13/2018
from the meeting held on
February 27, 2018. (*Action
Item*)

Attached are the minutes from the meeting held on February 27, 2018, recommended to be received and filed as submitted or amended.

ATTACHMENTS:

Description	Upload Date	Type	File Name
Minutes	3/8/2018	Minutes	cc-min_02_27_2018.pdf

MINUTES

GARDEN GROVE CITY COUNCIL

Regular Meeting

Tuesday, February 27, 2018

Community Meeting Center
11300 Stanford Avenue, Garden Grove, CA 92840

CONVENE CLOSED SESSION

At 5:44 p.m., Mayor Jones convened the meeting in the Council Chamber.

ROLL CALL PRESENT: (7) Mayor Jones, Council Members Beard,
O'Neill, T. Nguyen, Bui, Klopfenstein, K.
Nguyen

ABSENT: (0) None

ORAL COMMUNICATIONS FOR CLOSED SESSION

Speakers: None

CONVENE CLOSED SESSION

At 5:46 p.m., Mayor Jones announced that the City Council was going into Closed Session in the Founders Room to discuss the following matter:

Conference with Legal Counsel – Anticipated Litigation

Initiation of litigation pursuant to Government Code Section 54956.9(d)(4): one potential case.

ADJOURN CLOSED SESSION

At 6:20 p.m., Mayor Jones adjourned the Closed Session.

CONVENE REGULAR MEETING

At 6:41 p.m., Mayor Jones convened the meeting in the Council Chamber with all Council Members present.

Council Members present.

ADOPTION OF A RESOLUTION APPROVING PARTICIPATION IN THE MOBILE SOURCE AIR POLLUTION REDUCTION REVIEW COMMITTEE (MSRC) LOCAL GOVERNMENT PARTNERSHIP PROGRAM (F: 24.13)

It was moved by Council Member Bui, seconded by Council Member K. Nguyen that:

Resolution No. 9478-18 entitled A Resolution of the City Council of the City of Garden Grove approving participation in the Mobile Source Air Pollution Reduction Review Committee (MSRC) Local Government Partnership Program for \$50,000 MSRC matching funds, be approved.

The motion carried by a 7-0 vote as follows:

Ayes: (7) Beard, O'Neill, T. Nguyen, Bui, Klopfenstein, K.
Nguyen, Jones
Noes: (0) None

ADOPTION OF A RESOLUTION SUPPORTING AND ADOPTING THE ONE WATER ONE WATERSHED 2.0 PLAN – THE SANTA ANA WATERSHED INTEGRATED REGIONAL WATERSHED MANAGEMENT PLAN (F: 112.7)

It was moved by Council Member Bui, seconded by Council Member K. Nguyen that:

Resolution No. 9479-18 entitled a Resolution of the City Council of the City of Garden Grove supporting and adopting the One Water One Watershed 2.0 Plan, the Integrated Regional Water Management Plan for the Santa Ana River Watershed, be adopted.

The motion carried by a 7-0 vote as follows:

Ayes: (7) Beard, O'Neill, T. Nguyen, Bui, Klopfenstein, K.
Nguyen, Jones
Noes: (0) None

ADOPTION OF A RESOLUTION FOR INCLUSION IN THE 2018/2019 THROUGH 2023/2024 FEDERAL TRANSPORTATION IMPROVEMENT PROGRAM (F: 24.13)(XR: 36.1)

It was moved by Council Member Bui, seconded by Council Member K. Nguyen that:

Resolution No. 9480-18 entitled a Resolution of the City Council of the City of Garden Grove certifying that the City has the resources to fund the projects submitted for inclusion in the 2018/2019 through 2023/2024 Federal

Transportation Improvement Program and confirming the City's commitment to implement all projects submitted to the program, be adopted.

The motion carried by a 7-0 vote as follows:

Ayes: (7) Beard, O'Neill, T. Nguyen, Bui, Klopfenstein, K.
Nguyen, Jones
Noes: (0) None

APPROVAL OF VOIDING UNCLAIMED CHECKS PURSUANT TO GOVERNMENT CODE SECTION 50055 FOR AMOUNTS UNDER \$15.00 OR WHEN DEPOSITORS ARE UNKNOWN (F: 60.1)

It was moved by Council Member Bui, seconded by Council Member K. Nguyen that:

Voiding the unclaimed checks of less than fifteen dollars, which remain uncashed after one year, be approved;

Voiding the unclaimed checks where the depositor is unknown, which remain uncashed after one year, be approved; and

The Finance Director be authorized to transfer the resulting funds to the general fund or other funds as appropriate.

The motion carried by a 7-0 vote as follows:

Ayes: (7) Beard, O'Neill, T. Nguyen, Bui, Klopfenstein, K.
Nguyen, Jones
Noes: (0) None

AUTHORIZE THE ISSUANCE OF A PURCHASE ORDER TO NATIONAL AUTO FLEET GROUP FOR ONE (1) NEW POLICE PATROL VEHICLE

It was moved by Council Member Bui, seconded by Council Member K. Nguyen that:

The Finance Director be authorized to issue a purchase order in the amount of \$30,553.72 to National Auto Fleet Group for the purchase of one (1) new police patrol vehicle.

The motion carried by a 7-0 vote as follows:

Ayes: (7) Beard, O'Neill, T. Nguyen, Bui, Klopfenstein, K.
Nguyen, Jones
Noes: (0) None

AUTHORIZE THE ISSUANCE OF A PURCHASE ORDER TO HANSON ASSOCIATES FOR THE INSTALLATION OF A PREFABRICATED PATIO SHELTER IN THE ATLANTIS PLAY CENTER AT GARDEN GROVE PARK

It was moved by Council Member Bui, seconded by Council Member K. Nguyen that:

The Finance Director be authorized to issue a purchase order in the amount of \$58,000 to Hanson Associates for the purchase of a pre-fabricated patio shelter to be installed in the Atlantis Play Center at Garden Grove Park.

The motion carried by a 7-0 vote as follows:

Ayes: (7) Beard, O'Neill, T. Nguyen, Bui, Klopfenstein, K.
Nguyen, Jones
Noes: (0) None

APPROVAL OF A COVENANT AND AGREEMENT WITH CARITAS ACQUISITIONS I, LLC FOR CONSTRUCTION AND MAINTENANCE OF A STORM DRAIN FACILITY AND MONUMENT SIGNS AT 13096 BLACKBIRD STREET, GARDEN GROVE (F: 107.3)

This matter was considered later in the meeting.

RECEIVE AND FILE MINUTES FROM THE MEETING HELD ON FEBRUARY 13, 2018 (F: Vault)

It was moved by Council Member Bui, seconded by Council Member K. Nguyen that:

The minutes from the meeting held on February 13, 2018, be received and filed.

The motion carried by a 7-0 vote as follows:

Ayes: (7) Beard, O'Neill, T. Nguyen, Bui, Klopfenstein, K.
Nguyen, Jones
Noes: (0) None

WARRANTS

It was moved by Council Member Bui, seconded by Council Member K. Nguyen that:

Regular Warrants 634929 through 635318; Wires W2101 through W2107; be approved as presented in the warrant register submitted, and have been audited for accuracy and funds are available for payment thereof by the Finance Director; and

Payroll Warrants 182033 through 182066; Direct Deposits D325286 through D326385; Wires W2442 through W2445; be approved as presented in the warrant

register submitted, and have been audited for accuracy and funds are available for payment thereof by the Finance Director.

The motion carried by a 7-0 vote as follows:

Ayes: (7) Beard, O'Neill, T. Nguyen, Bui, Klopfenstein, K.
Nguyen, Jones
Noes: (0) None

APPROVAL OF A COVENANT AND AGREEMENT WITH CARITAS ACQUISITIONS I, LLC
FOR CONSTRUCTION AND MAINTENANCE OF A STORM DRAIN FACILITY AND
MONUMENT SIGNS AT 13096 BLACKBIRD STREET, GARDEN GROVE (F: 107.3)

Following the City Attorney's report, noting the changes to the agreement provided at the meeting, and City Council questions, it was moved by Council Member K. Nguyen, seconded by Council Member Klopfenstein that:

The Covenant and Agreement for Construction and Maintenance of Storm Drain Facility and Monument Signs at 13096 Blackbird Street, Garden Grove (Bahia Mobile Home Park), be approved; and

The City Manager be authorized to sign the agreement on behalf of the City.

The motion carried by a 7-0 vote as follows:

Ayes: (7) Beard, O'Neill, T. Nguyen, Bui, Klopfenstein, K.
Nguyen, Jones
Noes: (0) None

REQUIRED FINANCIAL DISCLOSURE TO IMPLEMENT A CALIFORNIA PUBLIC
EMPLOYEE'S RETIREMENT SYSTEM TWO-YEAR EARLY RETIREMENT OPTION
(F: 78.12)

Following Staff presentation and City Council comments expressing the need for more time and more information and to include eligible Fire Department employees in the financial disclosure documents, it was moved by Mayor Jones, seconded by Council Member Bui that:

This item be brought back in four weeks.

The motion carried by a 7-0 vote as follows:

Ayes: (7) Beard, O'Neill, T. Nguyen, Bui, Klopfenstein, K.
Nguyen, Jones
Noes: (0) None

MATTERS FROM THE MAYOR, CITY COUNCIL MEMBERS, AND CITY MANAGER

Council Member Klopfenstein congratulated Noelle Kim from Community Relations for receiving the Citrus Hero Award for the month of February for letting residents know about the threat of the Asian Citrus Psyllid and Huanglongbing through videos posted on the City's website and on social media pages.

Council Member Bui expressed his gratitude to Bobby Dalton for providing free security services for the TET Festival parade. He thanked Maureen Blackmun for bringing attention to the issue of the bus benches, and noted that when he voted to approve the contract with Focus Media Group to provide the bus benches, the City Council was promised that advertisement with positive content good for the city would be on the benches. He expressed his disappointment that the company advertised for an adult book store, and that he would like staff to contact Focus Media Group.

Council Member O'Neill thanked Nicolas Dibs for persistently requesting that the Youth in Government Day be brought back to the City, and noted that this program was phased out when he himself was in high school. He expressed confidence in the students who attended the recent Youth in Government Day event and expects good things from them in the future. In response to tonight's speakers, he commented that a neighborhood meeting could be held to educate the residents on the right procedure for reporting short term rentals; and that he is in favor of parking permits in those neighborhoods affected by the 200,000 square foot expansion of the Anaheim Convention Center. He noted that he likes the color of the bus benches provided by Focus Media Group, and stated that the bus bench in question advertised the name of the adult book store's business in proximity to the adult book store. He stated that while he is not a proponent of adult businesses, he would not be in favor of discrimination. He encouraged businesses in Garden Grove with a bus bench near their business to advertise on the bench; and he noted that there are some benches with advertising reserved for community groups and city events.

Council Member Beard commented on a need for the City Council to review the contract with Focus Media Group; that there is a need for clarification on the City's legal rights on control over the content of the bus bench advertisements; that he agrees with Council Member O'Neill and he likes the color of the bus benches but indicated he is open to discussion if it is not too late to change the color. He thanked Nicolas Dibs for requesting the Youth in Government Day program be brought back to the City, and he thanked the staff for their work on the event, noting the support from the Garden Grove Community Foundation. He asked that there be a future discussion item on the City's policies and procedures for employee performance evaluations for staff, managers, City Manager, and City Attorney, as well as performance measures and evaluation of the City Manager and City Attorney at a future meeting.

In response to comments made during Oral Communications, Mayor Jones stated that the In-N-Out Burger restaurant that was planning to locate at the former Bob's Big Boy on Harbor Boulevard has pulled out because they met with resistance from Preserve OC to maintain the original features of the Googie architectural style. He also noted that he plans to follow up with Roger Kotch, CFO of In-N-Out Burger, on a possibility of reevaluating the decision. He commented that the contract with Focus Media Group was with the best intention to bring in new benches and provide a revenue stream; however, the decision was made quickly and they may have needed more time to work out details. He was not expecting as bright a green as the benches are and that the old unappealing blue benches would be replaced rather than side by side with the new benches, which is an eyesore. He stated that direction to staff needs to be how this situation can be fixed.

City Manager Stiles stated that the bus benches will be addressed at the next City Council meeting. He commented on a recent tour of Santiago High School and Clinton Elementary School, and commended the School District's new construction to modernize school buildings. He announced the upcoming ground breaking for the Steelcraft project on Euclid Street adjacent to City Hall on Monday, March 5, 2018, at 10:00 a.m.

ADJOURNMENT

At 8:17 p.m., Mayor Jones adjourned the meeting. The next City Council Meeting will be held on Tuesday, March 13, 2018, at 5:30 p.m. at the Community Meeting Center, 11300 Stanford Avenue, Garden Grove, California.

Teresa Pomeroy, CMC
City Clerk

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To:	Scott C. Stiles	From:	Teresa Pomeroy
Dept.:	City Manager	Dept.:	City Clerk
Subject:	Approval of warrants. (<i>Action Item</i>)	Date:	3/13/2018

Attached are the warrants recommended for approval.

ATTACHMENTS:

Description	Upload Date	Type	File Name
Warrants	3/8/2018	Warrants	CC_Warrants_3-13-18.pdf

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 02/28/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
633615	CARMENITA FORD TRUCK SALES, INC	REV & VOID	-43,700.30 *
634867	CALIF PARK & RECREATION SOCIETY CPRS	REV & VOID	-1,525.00 *
635207	KAYE'S KITCHEN	REV & VOID	-266.20 *
635215	JOHNNY DAVID ALLEN JR. DBA JOHNNY ALLEN TENNIS ACADEMY	REV & VOID	-174.49 *
635319	LEAGUE OF CALIF CITIES-LATINO CAUCUS	DUES/MEMBERSHIPS	100.00 *
635320	BEX, RAY	TRAVEL ADVANCE	228.00 *
635321	CARMENITA FORD TRUCK SALES, INC	MOTOR VEHICLE REPL	43,700.30 *
635322	GARCIA, SYLVIA	MED TRUST REIMB	236.20 *
635323	GARDEN GROVE COMMUNITY FOUNDATION	TRUST FUND EXPEND	1,683.00
		CITY WATER SERVICES	25,000.00
			26,683.00 *
635324	HOLDER, JAMES C	MED TRUST REIMB	71.00 *
635325	i.i. FUELS, INC	MV GAS/DIESEL FUEL	17,952.06 *
635326	INTOXIMETERS	OTHER PROF SUPPLIES	156.81 *
635327	KAWELL*, RHONDA C.	EMPL COMPUTER PURCH	2,500.00 *
635328	MEEKS, REBECCA S	TRAVEL ADVANCE-P.D.	919.73 *
635329	NGUYEN*, PHU T	L/S/A TRANSPORTATION	97.50
		SUBSISTENCE	228.00
		LODGING	676.00
			1,001.50 *
635330	RAMIREZ, TERRA	TRAVEL ADVANCE-P.D.	228.00 *
635331	S.C. YAMAMOTO, INC.	MAINT-SERV CONTRACTS	8,581.75 *

PAGE TOTAL FOR "*" LINES = 56,692.36

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 02/28/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635332	SAFEWAY INC	OTHER FOOD ITEMS	49.95 *
635333	TELEPACIFIC COMMUNICATIONS	NETWORK COMMUNIC	1,135.12 *
635334	TRUHILL, JUSTIN	MED TRUST REIMB	734.53 *
635335	UNION BANK	NETWORKING SERVICES	64.27
		REGISTRATION FEES	300.00
		REPRO SUPPLIES	62.25
		NETWORKING SUPPLIES	1,025.32
		SOFTWARE	49.99
		OFFICE SUPPLIES/EXP	416.72
		MINOR OFFICE FURN/EQ	213.35
		MINOR FURN/EQUIP	239.96
			2,371.86 *
635336	KATHY ANDERSON*	TRAVEL ADVANCE-P.D.	-424.16
		SUBSISTENCE	130.70
		LODGING	293.46
		OTHER CONF/MTG EXP	113.98
			113.98 *
635337	CALNENA	TUITION/TRAINING	325.00 *
635338	THE INSTITUTE OF INTERNAL AUDITORS	DUES/MEMBERSHIPS	160.00 *
635339	AARON HANSEN	MED TRUST REIMB	249.25 *
635340	OCSD FINANCIAL MNGNT DIV	SEWER FEES	56,960.10 *
635341	METROLINK TRAINS	WAGE ATTACHMENT	835.50
		L/S/A TRANSPORTATION	330.00
			1,165.50 *
635342	MELLEM, TRAVIS	MED TRUST REIMB	1,050.00 *
635343	UC REGENTS	DUES/MEMBERSHIPS	1,500.00 *
635344	SUDDUTH, STEVE	MED TRUST REIMB	1,083.00 *
635345	CALIFORNIA PEACE OFFICERS ASSOCIATION	TUITION/TRAINING	1,040.00 *
635346	FUN EXPRESS	ADMN/ENTRANCE FEE	1,102.00 *

PAGE TOTAL FOR "*" LINES = 69,040.29

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 02/28/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635347	ENGINEERING RESOURCES OF SOUTHERN CALIFORNIA INC.	ENGINEERING SERVICES	4,541.00 *
635348	DEBBIENS, RICHARD	TRAVEL ADVANCE-P.D.	228.00 *
635349	XEROX CORPORATION DBA: XEROX FINANCIAL SERVICES	INTEREST COSTS	564.37
		LONG TERM DEBT	10,075.07
		PROPERTY TAXES	824.56
			11,464.00 *
635350	STEVE JONES*	L/S/A TRANSPORTATION	127.93 *
635351	DESTINATION IRVINE	REGISTRATION FEES	600.00 *
635352	MR. TODD SMITH	FEE REFUND	700.00 *
635353	DESERIE SIORDIA	DEPOSIT REFUNDS	500.00 *
635354	JENNIFER GERACI*	TRAVEL ADVANCE-P.D.	-57.30
		MILEAGE REIMB	17.30
		SUBSISTENCE	40.00
		OTHER CONF/MTG EXP	60.00
			60.00 *
635355	LORENA SOULES*	SUBSISTENCE	228.00
		LODGING	676.00
			904.00 *
635356	AT&T	TELEPHONE	2,238.95 *
635357	FRONTIER COMMUNICATIONS	TELEPHONE/BEEPERS	571.03 *
635358-635360	VOID WARRANTS		
635361	SO CALIF EDISON CO	ELECTRICITY	58,750.47 *
635362	SO CALIF GAS CO	NATURAL GAS	163.70 *
635363	TIME WARNER CABLE	CABLE	499.41 *
635364	A1 SURVEILLANCE SYSTEMS LLC DBA A1 SECURITY CAMERAS	OTHER MAINT ITEMS	1,189.67 *

PAGE TOTAL FOR "*" LINES = 82,538.16

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 02/28/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635365	ADMINISURE	SELF-INS ADMN	16,445.00 *
635366	APP-ORDER, LLC	OTHER PROF SERV	340.00 *
635367	ADAMSON POLICE PRODUCTS	MOTOR VEH PARTS	958.55 *
635368	ADVANCED ENVIRONMENTAL COMPLIAN	MAINT-SERV CONTRACTS	8,840.00 *
635369	ALAN'S LAWN AND GARDEN CENTER INC.	REPAIRS-FURN/MACH/EQ	646.28
		MOTOR VEH PARTS	875.32
		OTHER MAINT ITEMS	312.55
			1,834.15 *
635370	ALLSTAR FIRE EQUIPMENT INC.	SAFETY EQUIP	400.03 *
635371	ANDERSEN'S DOOR SERVICE	MAINT-SERV CONTRACTS	414.46 *
635372	ANIMAL CARE EQUIPMENT & SVCS	CANINE EXPENSES	485.64 *
635373	AUTO PARTS DISTRIBUTOR	MOTOR VEH PARTS	14,996.57 *
635374	BIG RON'S AUTO BODY & PAINT, INC.	REPAIRS-FURN/MACH/EQ	6,287.09 *
635375	BISHOP CO.	OTHER AGR SUPPLIES	785.04 *
635376	BROWNELLS, INC.	OTHER MINOR TOOLS/EQ	613.72 *
635377	BUREAU VERITAS NORTH AMERICA INC	OTHER PROF SERV	25,695.00 *
635378	CARD INTEGRATORS CORPORATION	REPRO SUPPLIES	120.06 *
635379	C.WELLS PIPELINE MATERIALS INC.	WHSE INVENTORY	1,764.95 *
635380	CAMERON WELDING SUPPLY	MOTOR VEH PARTS	57.32
		OTHER MAINT ITEMS	235.36
			292.68 *
635381	CEMEX	OTHER MAINT ITEMS	1,019.89 *
635382	SUPPLYWORKS	JANITORIAL SUPPLIES	673.04 *
635383	COASTLINE EQUIPMENT	MOTOR VEH PARTS	50.98 *

PAGE TOTAL FOR "*" LINES = 82,016.85

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 02/28/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635384	COMLOCK SECURITY GROUP COMMERCIAL LOCK & SECURITY	REPAIRS-FURN/MACH/EQ OFFICE SUPPLIES/EXP	501.28 376.05 877.33 *
635385	CONTINENTAL CONCRETE CUTTING	OTHER MAINT ITEMS GEN PURPOSE TOOLS	4,746.00 492.00 5,238.00 *
635386	DIAMOND ENVIRONMENTAL SERVICES	MAINT-SERV CONTRACTS	1,063.76 *
635387	DUNN-EDWARDS CORPORATION	PAINT/DYE/LUBRICANTS	91.30 *
635388	EWING IRRIGATION PRODUCTS, INC.	PIPES/APPURTENANCES	77.32 *
635389	EXCLUSIVE AUTO DETAIL	MOTOR VEHICLE MAINT	1,318.00 *
635390	FEDERAL EXPRESS CORP	DELIVERY SERVICES	318.55 *
635391	FORD OF ORANGE	MOTOR VEH PARTS	8,419.35 *
635392	FOWLER, ROBERT D	PAINT/DYE/LUBRICANTS	28.23 *
635393	GRAFFITI PROTECTIVE COATINGS, INC.	MAINT-SERV CONTRACTS TRAFFIC SIGNAL MAINT	6,928.85 614.88 7,543.73 *
635394	HACH COMPANY INC	LABORATORY CHEMICALS	129.91 *
635395	HILCO FASTENER WAREHOUSE	HARDWARE	102.29 *
635396	HILL'S BROS LOCK & SAFE INC	OTHER MAINT ITEMS OTHER MINOR TOOLS/EQ	521.66 114.60 636.26 *
635397	BRUGGER, JOHN F dba J & K WELDING	OTHER MAINT ITEMS	862.50 *
635398	J.L. WINGERT CO.	LABORATORY CHEMICALS	26.40 *
635399	JAY'S CATERING	FOOD	252.14 *
635400	JOHNSTONE SUPPLY	AIR COND SUPPLIES	34.36 *
635401	KILMER, WAGNER & WISE PAPER COMPANY, INC.	PAPER/ENVELOPES	147.46 *

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 02/28/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635402	KNORR SYSTEMS, INC.	OTHER MAINT ITEMS	266.20 *
635403	LAWSON PRODUCTS, INC.	MOTOR VEH PARTS	1,693.62 *
635404	MC MASTER-CARR SUPPLY CO	HARDWARE	83.93 *
635405	F. EARL MELLOTT & ASSOC INC	MAINT-SERV CONTRACTS	675.00 *
635406	MELZER DECKERT RUDER ARCHITECTS	ENGINEERING SERVICES	4,883.76 *
635407	FIS ACCOUNTING DEPT	BANK FEES-CRDT CD	21,166.95 *
635408	MONTANCHEZ, JOHN A.	TRAVEL ADVANCE-C.S.	170.00 *
635409	MR. D'S AUTOMOTIVE	MOTOR VEHICLE MAINT	169.90 *
635410	CABCO YELLOW, INC.	L/S/A TRANSPORTATION	17,452.00 *
635411	NELSON GLOBAL PRODUCTS, INC.	OTHER MAINT ITEMS	1,378.07 *
635412	OFFICE DEPOT, INC	OFFICE SUPPLIES/EXP	1,626.59 *
635413	NGUYEN*, PHU T	DUES/MEMBERSHIPS	115.00 *
635414	NIAGARA PLUMBING	OTHER MAINT ITEMS	29.09 *
635415	R.J. NOBLE COMPANY	OTHER MAINT ITEMS	4,091.18 *
635416	ARC	OTHER PROF SERV	6.39 *
635417	OPPERMAN & SONS TRUCK	MOTOR VEH PARTS	1,592.76 *
635418	ORANGE COUNTY WATER DISTRICT	WTR PUMPING-OCWD	184,764.00 *
635419	ORTCO, INC.	MAINT OF REAL PROP	4,100.00 *
635420	PACIFIC 4	WHSE INVENTORY	726.99 *
635421	PELAYO, JANET	TRAVEL ADVANCE-P.D.	136.00 *
635422	PENCO ENGINEERING, INC.	ENGINEERING SERVICES	20,280.00 *
635423	PEST OPTIONS, INC.	MAINT-SERV CONTRACTS	917.25 *

PAGE TOTAL FOR "*" LINES = 266,324.68

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 02/28/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635424	PETTY CASH - MUN SRVC CTR	TELEPHONE	20.00
		POSTAGE	39.69
		OTHER CONF/MTG EXP	23.00
		REGISTRATION FEES	150.00
		OTHER EDUCATION EXP	6.45
		SEEDS/PLANTS	25.70
		TREES	39.87
		FOOD	17.27
		UNIFORMS	53.88
		AIR COND SUPPLIES	15.60
		OTHER MAINT ITEMS	34.44
		OFFICE SUPPLIES/EXP	177.73
		SAFETY EQ/SUPPLIES	45.79
		CELL PHONE/BEEPER	20.00
			669.42 *
635425	PHI, THYANA	MILEAGE REIMB	32.70 *
635426	RADI'S CUSTOM UPHOLSTERY	REPAIRS-FURN/MACH/EQ	1,100.00
		MOTOR VEH PARTS	450.00
			1,550.00 *
635427	SIEMENS INDUSTRY, INC.	MAINT-SERV CONTRACTS	1,695.00 *
635428	NEWHOPE P & L, INC. DBA NEWHOPE PAINT & COATINGS	MOTOR VEHICLE MAINT	995.00 *
635429	SABP INC SABP REPROGRAPHICS	DUPLICATING	426.63 *
635430	SAFETY 1st PEST CONTROL, INC	MAINT-SERV CONTRACTS	875.00 *
635431	SAXE-CLIFFORD, PH.D., SUSAN	MEDICAL SERVICES	900.00 *
635432	SCHAEFER, NICK	TUITION REIMB	2,800.00 *
635433	SCOTT FAZEKAS & ASSOCIATES INC.	OTHER PROF SERV	95.00 *
635434	SIMPSON CHEVROLET OF GG	MOTOR VEH PARTS	150.11 *
635435	SMART & FINAL	FOOD	88.43
		FOOD SERV SUPPL	47.44
		BOTTLED WATER	6.34
		OTHER FOOD ITEMS	78.75
			220.96 *

PAGE TOTAL FOR "*" LINES = 10,409.82

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 02/28/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635436	SMITH PIPE & SUPPLY COMPANY, INC	WHSE INVENTORY	1,087.31 *
635437	SOUTH COAST A.Q.M.D	PERMITS/OTHER FEES	505.74 *
635438	SOUTHERN CALIFORNIA GAS CO ML 711D	MAINT-SERV CONTRACTS	575.00 *
635439	SPARKLETT'S	BOTTLED WATER	224.56
		OTHER MAINT ITEMS	311.87
			536.43 *
635440	SPECTRUM GAS PRODUCTS, INC.	MEDICAL SUPPLIES	25.00 *
635441	STRADLING, YOCCA, CARLSON & RAUTH	LEGAL FEES	102,977.24 *
635442	SUN BADGE COMPANY	UNIFORMS	479.67 *
635443	SUNBELT RENTALS	HEAVY EQUIP RENTAL	1,199.79
		OTHER MAINT ITEMS	931.78
			2,131.57 *
635444	TIME WARNER CABLE	CABLE TV SERVICE	60.79 *
635445	HONEYWELL (FORMER TOTAL FIRE GROUP)	SAFETY EQUIP	3,528.40 *
635446	TRUCK & AUTO SUPPLY INC. TrucParCo	MOTOR VEH PARTS	147.21
		OTHER MAINT ITEMS	361.79
			509.00 *
635447	TURNOUT MAINTENANCE COMPANY	FIRE TURNOUTS REPAIR	315.00 *
635448	U.S. ARMOR CORP.	UNIFORMS	990.43 *
635449	UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA	OTHER MAINT ITEMS	292.15 *
635450	UNITED RENTALS NORTHWEST, INC	AGGREGATES/MASONRY	446.09 *
635451	VALLEY POWER SYSTEMS, INC.	REPAIRS-FURN/MACH/EQ	987.53
		MOTOR VEH PARTS	11.84
			999.37 *
635452	VULCAN MATERIALS COMPANY WESTERN DIVISION	ASPHALT PRODUCTS	7,493.76 *
635453	GRAINGER	LABORATORY CHEMICALS	296.02

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 02/28/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635454	GRAND VALLEY BANK-FRONTIER C/O WALLACE & ASSOC CONSULTING	ENGINEERING SERVICES	58,292.00 *
635455	WALTERS WHOLESALE ELECTRIC	ELECTRICAL SUPPLIES HARDWARE	373.28 63.47 436.75 *
635456	WATERLINE TECHNOLOGIES, INC.	LABORATORY CHEMICALS	1,648.80 *
635457	WEST COAST ARBORISTS INC	TREE TRIMMING SERV	16,104.00 *
635458	FERGUSON ENTERPRISES, INC	MAINT-SERV CONTRACTS PIPES/APPURTENANCES	208.28 783.29 991.57 *
635459	WESTERN OIL SPREADING SERVICES	ASPHALT PRODUCTS	410.64 *
635460	WILLIAMS & MAHER INC	MAINT-SERV CONTRACTS	162.50 *
635461	WOODRUFF, SPRADLIN & SMART A PROFESSIONAL CORP	LEGAL FEES	81,468.58 *
635462	YORBA LINDA FEED STORE, INC.	CANINE EXPENSES	1,455.29 *
635463	VALERIE DUGANCEVIC	GRAFFITI REWARDS	300.00 *
635464	QUALITY AIRE	ALARM PERMIT REF	5.00 *
635465	BAXTER'S FRAME WORKS	AWARDS/TROPHIES	200.01 *
635466	SAFARILAND, LLC	OTHER PROF SUPPLIES	90.43 *
635467	FOSTER GORDON MFG CORP.	PAPER/ENVELOPES	425.52 *
635468	AGUINAGA GREEN	OTHER AGR SUPPLIES	517.20 *
635469	DON WOLF & ASSOCIATES, INC	HARDWARE	79.52 *
635470	BRUCE HALL LAND SURVEYOR, INC	ENGINEERING SERVICES	8,600.00 *

PAGE TOTAL FOR "*" LINES = 171,750.56

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 02/28/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635471	GRAPHIC CONTROLS LLC	PAPER/ENVELOPES	171.40 *
635472	SAFEMAN SIGN COMPANY	SIGNS/FLAGS/BANNERS	1,944.52 *
635473	HANDY HOSE SERVICES ADVANTAGE HOSE SERVICES LLC	REPAIRS-FURN/MACH/EQ	1,547.19 *
635474	TRAPEZE SOFTWARE GROUP, INC ASSETWORKS LLC	DATA PROCESSING SUPP	37,366.00 *
635475	SOURCE GRAPHICS	OFFICE SUPPLIES/EXP	228.39 *
635476	VIET BAO DAILY, INC.	ADVERTISING	100.00 *
635477	NATIONAL BUSINESS FURNITURE	MINOR OFFICE FURN/EQ	1,299.92 *
635478	TRAFFIC MANAGEMENT INC	OTHER MAINT ITEMS	1,027.48
		SIGNS/FLAGS/BANNERS	59.85
			1,087.33 *
635479	CALIF PARK & RECREATION SOCIETY CPRS	REGISTRATION FEES	1,525.00 *
635480	O'REILLY AUTO PARTS	MOTOR VEH PARTS	163.28 *
635481	VORTEX INDUSTRIES INC	MAINT-SERV CONTRACTS	450.42 *
635482	COSTAR GROUP, INC.	OTHER PROF SERV	450.77 *
635483	FAIRWAY FORD	MOTOR VEHICLE REPL	42,972.99 *
635484	DISCOVERY SCIENCE CENTER	OTHER PROF SERV	8,234.00 *
635485	ANAHEIM FENCE CO.	MAINT-SERV CONTRACTS	1,274.00 *
635486	KAYE'S KITCHEN	FOOD	110.00 *
635487	SWANK MOTION PICTURES, INC.	TAXES/LICENSES	425.00 *
635488	ORTEGA, DAVID	TUITION REIMB	435.41 *
635489	CRITTER BUSTERS, INC.	OTHER MAINT ITEMS	950.00 *
635490	BATTERY SYSTEMS INC.	MOTOR VEH PARTS	3,744.10 *
635491	RICE, MICHAEL JAY DBA FULLERTON CAMERAS	REPAIRS-FURN/MACH/EQ	70.00 *

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 02/28/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635492	CITY CLERK'S ASSOC OF CALIF CCAC	REGISTRATION FEES	200.00 *
635493	SOCAL SALES & MARKETING	WHSE INVENTORY	562.20 *
635494	STAR LAMINATORS, INC.	PRINTING	414.84 *
635495	SIGNARAMA	SIGNS/FLAGS/BANNERS	630.25 *
635496	JON MIHAILA	SAFETY EQ/SUPPLIES	174.49 *
635497	FASTENAL INDUSTRIAL CONSTRUCTION SUPPLY	MOTOR VEH PARTS	191.62 *
635498	3M	MOTOR VEH PARTS	2,183.50 *
635499	YO-FIRE SUPPLIES	MOTOR VEH PARTS	226.65 *
635500	CIVILDESIGN CORP	SOFTWARE	533.25 *
635501	SEAVCO IVR SEAVER MOTORCYCLES	REPAIRS-FURN/MACH/EQ	3,894.99 *
635502	ORANGE COUNTY CLERK RECORDER HALL OF FINANCE & RECORDS	EXEMPT FEE REFUND	50.00 *
635503	CHEVROLET OF WATSONVILLE NATIONAL AUTO FLEET GROUP	MOTOR VEHICLE REPL	67,560.46 *
635504	EVIDENT CRIME SCENE PRODUCTS	MEDICAL SUPPLIES	509.30 *
635505-635506	VOID WARRANTS		
635507	GRP2 UNIFORMS, INC KEYSTONE UNIFORMS, OC	UNIFORMS	19,209.94 *
635508	COREY LINDSAY	TUITION/TRAINING	618.00 *
635509	SO CAL INDUSTRIES	OTHER RENTALS	592.03 *
635510	D'ALELIO, INC.	SAFETY EQ/SUPPLIES	622.99 *
635511	SOUTHERN COMPUTER WAREHOUSE	DATA PROCESSING SUPP	352.89 *
635512	INFOSEND, INC.	OTHER MAINT ITEMS	858.13 *
635513	DANIEL MOORE	TUITION REIMB	783.00 *
635514	MAPON INC. DBA: ACE ROOFING SYSTEMS	MAINT OF REAL PROP	30,687.95

PAGE TOTAL FOR "*" LINES = 100,168.53

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 02/28/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635515	LIEBERT CASSIDY WHITMORE	MAINT-SERV CONTRACTS	2,670.40
635516	FUN EXPRESS	LEGAL FEES	33,358.35 *
635517	COUNTY OF ORANGE TREASURER-TAX COLLECTOR	DUES/MEMBERSHIPS	140.00 *
635518	KUSTOM IMPRINTS	PERMITS/OTHER FEES	40.00 *
635519	JTB SUPPLY CO INC	UNIFORMS	170,260.86 *
635520	FLEMING ENVIRONMENTAL INC.	ELECTRICAL SUPPLIES	1,608.17 *
635521	GOLDENWEST LAWNMOWERS	MAINT-SERV CONTRACTS	8,456.22 *
635522	PACIFIC SEWER MAINTENANCE	OTHER MINOR TOOLS/EQ	555.00 *
635523	YVES CLERMONT	SEWER REPAIR/MAINT	248.77 *
W2108	CALIF STATE BOARD OF EQUALIZATION	TUITION/TRAINING	4,100.00 *
		FEE REFUND	618.00 *
		Fact:YTH ENRCH	320.53
		MEDICAL SUPPLIES	4.37
		LABORATORY CHEMICALS	248.35
		CANINE EXPENSES	132.91
		BOOKS/SUBS/CASSETTES	37.34
		OTHER PROF SUPPLIES	60.33
		MOTOR VEH PARTS	3.69
		PIPES/APPORTENANCES	175.09
		OTHER MAINT ITEMS	244.02
		SAFETY EQ/SUPPLIES	69.06
		OTHER MINOR TOOLS/EQ	3.07
		PINS/MEMENTOS	816.89
		OTHER REC/CULT SUPP	164.28
		WIRE/METALS	154.07
			155.00
			2,589.00 *
W2109	CITY OF GARDEN GROVE-LIABILITY ACCT	ACCURED LIAB CLAIMS	39,266.28
		LEGAL FEES	27,718.18
		MUN CLAIMS BD PMT	4,186.25
			71,170.71 *

PAGE TOTAL FOR "*" LINES = 293,145.08

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 02/28/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
W2110	US BANK TRUST N.A.	INTEREST COSTS	537,725.00
		LONG TERM DEBT	425,000.00
W2111	AGENCY WIRE		962,725.00 *

PAGE TOTAL FOR "*" LINES = 962,725.00

FINAL TOTAL 2,349,480.89 *

DEMANDS #635319 - 635523 AND WIRES W2108 - W2111 AS PRESENTED IN THE WARRANT REGISTER SUBMITTED TO THE GARDEN GROVE CITY COUNCIL FEBRUARY 28, 2018, HAVE BEEN AUDITED FOR ACCURACY AND FUNDS ARE AVAILABLE FOR PAYMENT THEREOF


KINGSLEY C. OKEREKE - FINANCE DIRECTOR

181668	GABRIELA PEDRAZA	(VOID)			
182068	AUSTIN C LAVERTY		-238.50	182067	HINA J AHMAD
182070	JOSHUA D BRANNON		2040.81	182069	JIMMY NGUYEN
182072	DIANE BELAIR		1450.54	182071	JUDITH A MOORE
182074	THOMAS E BUTTERS		1644.96	182073	JO ANNE M CHUNG
182076	WILLIAM J ENGELS		2100.25	182075	CHRIS M VERES
182078	MICHAEL F ROCHA		606.78	182077	ROBERT R MOUNGEY
182080	KEVIN L RAY		1905.18	182079	ALEJANDRO ORNELAS
182082	PAUL S BUTTERFIELD		689.49	182081	RAYMOND A BUCHLER
182084	YUKIYOSHI NAKAGAWA		707.91	182083	DANIEL C MOSS
182086	ERVIN DUBRUL		1506.85	182085	FRANK X DE LA ROSA
182088	DEANNA M CHUMACERO		552.86	182087	IMMANUEL M CALDONA
182090	JOHN C KONRAD		923.33	182089	STEVEN E GOMEZ
182092	SHADY S PUALLOA		40.43	182091	EMILY PATINO MARQUEZ
182094	AUSTIN C LAVERTY		104.10	182093	ALBERT R LECOU JR
182096	KIRK P HURLEY		3282.25	182095	EUN WHA LEE
182098	JORGE L MAZON		1722.19	182097	CODY M JOHNSON
182100	TIMOTHY M SUTTON		1722.19	182099	RANDY L TUCKER
182102	O.C.E.A.		813.26	182101	O.C.E.A. GENERAL
182104	GARDEN GROVE POLICE ASSO		1294.85	182103	COMMUNITY HEALTH CHARITI
D326145	AUSTIN C LAVERTY	(VOID)	1530.00	D325938	KEON DONTRAY NELSON
D326385	PHAT T BUI		-2040.81	D326384	KRIS C BEARD
D326387	STEPHANIE L KLOPFENSTEIN		25.25	D326386	STEVEN R JONES
D326389	KIM B NGUYEN		153.01	D326388	DIEDRE THU HA NGUYEN
D326391	PAMELA M HADDAD		279.45	D326390	JOHN R O'NEILL
D326393	SCOTT C STILES		1615.46	D326392	SHAWN S PARK
D326395	MEENA YOO		6500.20	D326394	MARIA A STIPE
D326397	MARITZA PIZARRO		1989.96	D326396	DENISE KEHN
D326399	LIZABETH C VASQUEZ		1813.22	D326398	TERESA L POMEROY
D326401	TERESA G CASEY		1802.20	D326400	SHAUNA J CARRENO
D326403	DANNY HUYNH		1464.75	D326402	VIRGINIA DELGADO
D326405	IVY LE		3413.28	D326404	VILMA C KLOESS
D326407	LINDA MIDDENDORF		1805.28	D326406	TAMMY LE
D326409	MARIA A NAVARRO		2552.09	D326408	ROSALINDA MOORE
D326411	QUANG NGUYEN		2164.16	D326410	PHUONG VIEN T NGUYEN
D326413	THYANA T PHI		2309.71	D326412	TINA T NGUYEN
D326415	TANYA L TO		2243.49	D326414	MARIA RAMOS
D326417	ELAINE TRUONG		1478.85	D326416	CUONG K TRAN
D326419	SYLVIA GARCIA		1358.29	D326418	THANH-NGUYEN VO
D326421	KAREN M HARRIS		2031.36	D326420	KINGSLEY C OKEREKE
D326423	CHRISTI C MENDOZA		2500.56	D326422	HEIDI M JANZ
D326425	DEBORAH A POWELL		613.48	D326424	ANN C EIFERT
D326427	MARISA ATIN RAMOS		1686.34	D326426	MARGARITA A ABOLA
D326429	JANET J CHUNG		1741.56	D326428	ELLIS EUN ROK CHANG
D326431	ROBERT W MAY		1955.19	D326430	RHONDA C KAWELL
D326433	HEIDY Y MUNOZ		1345.67	D326432	SHAWNA A MCDONOUGH
D326435	LIGIA ANDREI		2032.85	D326434	ALEXANDER TRINIDAD
D326437	KAREN J BROWN		1422.30	D326436	ARIANA B BAUTISTA
			698.10	D326438	CORINNE L HOFFMAN

**** PAGE TOTAL = 154402.24

D326439	JEFF N KURAMOTO	2281.03	D326440	CHELSEA E LUKAS	1471.87
D326441	EDWARD E MARVIN JR	1724.78	D326442	ANGELA M MENDEZ	1743.17
D326443	MONICA A NEELY	2754.55	D326444	JENNIFER L PETERSON	1857.82
D326445	ANH PHAM	1672.74	D326446	EVA RAMIREZ	1675.44
D326447	JAIME F CHAVEZ	1435.55	D326448	GARY F HERNANDEZ	1545.32
D326449	NEAL M MANALANSAN	1437.43	D326450	DANIEL J SANCHEZ	1545.87
D326451	SANDRA E SEGAWA	3249.00	D326452	ALANA R CHENG	2151.94
D326453	LISA L KIM	4044.04	D326454	JAYME K AHLG	2352.18
D326455	MICHAEL G AUSTIN	2464.77	D326456	DAVID A DENT	3651.26
D326457	TODD C HARTWIG	2366.60	D326458	AARON J HODSON	1983.88
D326459	DONALD E LUCAS	2686.77	D326460	GUADALUPE E MERCADO	1670.57
D326461	SVETLANA MOURE	2077.75	D326462	PHU T NGUYEN	3209.09
D326463	LORENA J QUILLA-SOULES	2235.78	D326464	CHRISTOPHER CHUNG	4441.02
D326465	PAUL GUERRERO	3003.17	D326466	LEE W MARINO	3589.48
D326467	MARIA L MEDRANO	1993.70	D326468	MARIA C PARRA	2619.95
D326469	ERIN WEBB	3240.72	D326470	GREG BLODGETT	2770.80
D326471	MONICA COVARRUBIAS	2596.84	D326472	GRACE E LEE	2281.12
D326473	AMEENAH ABU-HAMDIYYAH	1704.68	D326474	JULIE A ASHLEIGH	1863.27
D326475	RITA M CRAMER	2402.45	D326476	RALPH V HERNANDEZ	2151.62
D326477	ROY N ROBBINS	2702.26	D326478	ALLISON D WILSON	2376.17
D326479	MICHAEL C BOS	2257.48	D326480	DANIEL J CANDELARIA	4117.51
D326481	VINCENT L DE LA ROSA	1846.33	D326482	KAMYAR DIBAJ	1201.48
D326483	ALICIA M HOFER	1628.55	D326484	NICOLAS C HSIEH	2682.83
D326485	ROSEMARIE JACOT	1888.69	D326486	SHAN L LEWIS	1921.32
D326487	NAVIN B MARU	3377.17	D326488	JUAN C NAVARRO	2040.56
D326489	MICHAEL F SANTOS	2230.03	D326490	MARK P UPHUS	3425.55
D326491	JOSE A VASQUEZ	1996.76	D326492	ANA G VERGARA NEAL	2184.26
D326493	DAI C VU	3361.41	D326494	KHANG L VU	2891.48
D326495	JOSHUA J ARIONUS	1932.06	D326496	JAN BERGER	1921.70
D326497	ROBERT P BERMUDEZ	3031.66	D326498	TIM P CANNON	2678.91
D326499	MYUNG J CHUN	3473.40	D326500	CARINA M DAN	495.31
D326501	JUSTIN E DAVENPORT	1152.61	D326502	RYAN H DAVIS	1345.90
D326503	RONALD W DIEMERT	1820.50	D326504	CHRIS N ESCOBAR	3969.42
D326505	JASON A FERTAL	2012.78	D326506	ALEXANDER L GERRY	1290.16
D326507	ALEJANDRO GONZALEZ	2639.59	D326508	MICHAEL J GRAY	970.86
D326509	LARRY GRIFFIN	2580.37	D326510	ROBERT A HAENDIGES	2485.78
D326511	RYAN S HART	1649.44	D326512	ROBERT M HIGGINBOTHAM	1265.80
D326513	EDWARD A HUY	3439.29	D326514	VIDAL JIMENEZ	2012.70
D326515	SAMUEL K KIM	3945.33	D326516	BRENDA L LAI	416.73
D326517	REBECCA PIK KWAN LI	3171.27	D326518	SCOTT T LOWE	2698.90
D326521	JESSE K MONTGOMERY	1466.92	D326520	TYLER MEISLAHN	1826.42
D326523	BASIL G MURAD	3894.40	D326522	STEVEN J MOYA JR	1929.74
D326525	DUC TRUNG NGUYEN	2175.54	D326524	KIRK L NATLAND	766.91
D326527	ANDREW I ORNELAS	1739.63	D326526	CORNELIU NICOLAE	2368.86
D326529	CELESTINO J PASILLAS	1723.86	D326528	DAVID A ORTEGA	2511.24
D326531	LES A RUITENSCHILD	2425.98	D326530	WILLIAM F PEARSON	2537.04
D326533	MODESTO R SALDANA	2799.09	D326532	JONATHAN RUIZ	1919.78
		1845.30	D326534	ALEXIS SANTOS	1015.91

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D326535	ADRIAN M SARMIENTO	2091.87	D326536	ALBERT TALAMANTES JR	1537.90
D326537	MINH K TRAN	2644.39	D326538	ALEJANDRO VALENZUELA JR	1231.67
D326539	ALEJANDRO N VALENZUELA	3008.25	D326540	KATHLEEN N VICTORIA	832.13
D326541	RONALD J WOLLAND	1627.52	D326542	VICTOR K YERGENSEN	2265.76
D326543	ALICE K FREGOSO	1811.54	D326544	RAQUEL K MANSON	2466.75
D326545	CAROLYN E MELANSON	1550.08	D326546	WILLIAM E MURRAY JR	5962.99
D326547	EMILY H TRIMBLE	1526.86	D326548	ALFRED J AGUIRRE	3041.38
D326549	ANTHONY U AGUIRRE	393.98	D326550	RODOLPHO M BECERRA	1717.11
D326551	HELEN L CAMDEN	484.09	D326552	EDGAR A CANO	1336.40
D326553	ALBERT J CARRISOZA	1515.04	D326554	MARRAY R CHAPMAN	595.13
D326555	GABRIELA R CONTRERAS	2033.98	D326556	JULIE T COTTON	867.25
D326557	ERIC M ESPINOZA	1344.30	D326558	HECTOR M ESPINOZA	1765.67
D326559	ROBERT J FRANCO	669.41	D326560	MAURICIO S GARCIA	79.61
D326561	GLORIA GAW	1968.35	D326562	RICHARD R GOSSELIN	3097.80
D326563	HERMILO HERNANDEZ	1471.41	D326564	DONALD A HORNE JR	1031.59
D326565	DARNELL D JERRY	529.29	D326566	BRENT KAYLOR	2100.45
D326567	MARK W LADNEY	2261.16	D326568	RAUL LEYVA	2868.35
D326569	ANTONIO R MARTIN	2105.98	D326570	ROBERT P MCLOGAN	504.37
D326571	KEVIN E MEJIA	661.18	D326572	RIGOBERTO MENDEZ	2595.26
D326573	JON A MIHAILA	343.51	D326574	STEVEN T ORTIZ	1690.13
D326575	RICHARD L PINKSTON	1972.88	D326576	BRADLEY J POINDEXTER	631.17
D326577	STEVE J TAUANU'U	1893.48	D326578	SUSAN VITALI	336.46
D326579	STEPHANIE A WASINGER	577.36	D326580	IOAN ANDREI	577.73
D326581	JEFFREY G CANTRELL	1956.39	D326582	THOMAS C COUNTS	2056.33
D326583	JAMES CUNNINGHAM	2053.79	D326584	EARNEST L DOMINGUEZ	848.60
D326585	JULIA ESPINOZA	1140.55	D326586	ALBERT R EURS II	2193.69
D326587	CECELIA A FERNANDEZ	1129.80	D326588	CONRAD A FERNANDEZ	1042.86
D326589	DIANA GOMEZ	566.87	D326590	JORGE GONZALEZ	1107.07
D326591	MICHAEL R GREENE	1952.40	D326592	RONALD D GUSMAN	742.21
D326593	GLORIA A HARO	1152.50	D326594	ERIC W JOHNSON	1000.38
D326595	URIEL MACIAS	780.45	D326596	LUIS Y MENDOZA AGUILAR	920.32
D326597	KHUONG NGUYEN	1122.90	D326598	WILLIAM R PICKRELL	2561.43
D326599	DELFRADO C REYES	1142.63	D326600	RAFAEL ROBLES	1320.74
D326601	ADRIANNA M RODRIGUEZ	627.14	D326602	JAVIER RODRIGUEZ	1122.90
D326603	RODERICK THURMAN	1556.35	D326604	EVARISTO VERA	1587.53
D326605	RICHARD L WILLIAMS	1812.06	D326606	ANSELMO AGUIRRE	1766.41
D326607	CHRISTOPHER L ALLEN	1771.35	D326608	PHILLIP J CARTER	2359.32
D326609	RICK L DUVAL	3780.00	D326610	AARON R HANSEN	1436.62
D326611	PATRICIA CLAIR HAYES	3043.16	D326612	HUY HOA HUYNH	1975.96
D326613	BRYAN D KWIATKOWSKI	1358.90	D326614	CHRISTOPHER B PRUDHOMME	419.57
D326615	ROLANDO QUIROZ	1530.08	D326616	TODD R REED	2025.71
D326617	ESTEBAN H RODRIGUEZ	1546.73	D326618	LUIS A TAPIA	3248.34
D326619	MICHAEL W THOMPSON	2121.12	D326620	WILLIAM J WHITE	2012.68
D326621	JEREMY J GLENN	495.59	D326622	JESSE GUZMAN	2437.62
D326623	BRETT A MEISLAHN	2312.63	D326624	MARK E MONSON	2275.67
D326625	AUSTIN H POWELL	1716.98	D326626	MELVIN P REED	1399.16
D326627	STEPHEN D SUDDUTH	2926.19	D326628	TIMOTHY WALLINGFORD	3824.48
D326629	HILLARD J WILLIAMS	623.38	D326630	SOUHELIA K GOUNTOUMA	1556.74

*** PAGE TOTAL = 157081.25

D326631	ALBERT J HOLMON III	3207.43	D326632	VICTOR T BLAS	2041.80
D326633	JOSE GOMEZ	2245.51	D326634	BRENT W HAYES	2761.65
D326635	FRANK D HOWENSTEIN	2175.98	D326636	ALLEN G KIRZHNER	3264.09
D326637	KEON DONTRAY NELSON	183.87	D326638	BRANDON S NUNES	1130.35
D326639	STEPHEN PORRAS	2561.02	D326640	JESSE VIRAMONTES	1829.53
D326641	JOHN ZAVALA	2069.43	D326642	VERONICA AVILA	1696.94
D326643	JEFFREY P DAVIS	3287.51	D326644	NOELLE N KIM	1643.17
D326645	MISSY M MENDOZA	475.30	D326646	MARIE L MORAN	2410.40
D326647	ANA E PULIDO	3488.47	D326648	KRISTY H THAI	2139.18
D326649	KYLAN C ACOSTA	181.91	D326650	EDWARD D AMERIZ GARCIA	393.83
D326651	STEPHANIE AMBRIZ	238.00	D326652	GABRIELLA E BALANDRAN	322.91
D326653	VALERIA J BARON	218.50	D326654	JOSUE BARREIRO MENDOZA	681.80
D326655	NICHOLAS J BARRETT	83.04	D326656	ALEXIS R BAUTISTA-MOYANO	263.89
D326657	DYLAN J BOGGAN	50.54	D326658	RACHEL M CAMARENA	1807.36
D326659	RENE CAMARENA	1750.34	D326660	MARTI CARROLL	1081.89
D326661	VICTORIA M CASTILLAS	1734.35	D326662	AMANDA D CROSS	1129.06
D326663	GISELL L CRUZ	386.38	D326664	KENNETH E CUMMINGS	504.31
D326665	GRISSELL V EVERASTICO	491.11	D326666	JARED D GARCIA	331.99
D326667	VANESSA L GARCIA	191.26	D326668	JACOB R GRANT	2120.19
D326669	KIMBERLY K HOLER	617.58	D326670	CAROLINA HONSTAIN	163.12
D326671	KELLY L HOWENSTEIN	297.46	D326672	ANA C IZQUIERDO	590.51
D326673	ISABELLA H KUBES	141.16	D326674	ANDREW M LEWIS	200.70
D326675	STEPHANIA LUNA	282.98	D326676	ELAINE M MA'AE	2019.35
D326677	JESUS MEDINA	1646.94	D326678	JUAN MEDINA	1956.71
D326679	JOHN A MONTANCHEZ	3981.55	D326680	BRIANNA M MOORE	1036.32
D326681	KIRSTEN K NAKAISHI	162.80	D326682	GINA D NECCO	458.49
D326683	JACOB J NEELY	484.89	D326684	NOEL N NICHOLAS	1232.53
D326685	JENNIFER GODDARD NYE	2556.92	D326686	GABRIELA O'CADIZ-HERNAND	2417.26
D326687	NANCY A OCAMPO	182.17	D326688	LORI OCHOA	1930.08
D326689	CHRISTIAN PANGAN	439.28	D326690	KERRY L PAXTON	365.29
D326691	GABRIELA PEDRAZA	238.50	D326692	JANET E PELAYO	2799.84
D326693	JESUS PEREZ	413.80	D326694	VICTORIA I PEREZ	488.89
D326695	SUGEIRY REYNOSO	2370.20	D326696	CATIA J RIVERA	546.08
D326697	MARINA Y ROMERO	1593.69	D326698	MONICA K ROMO	115.22
D326699	TANYA ROSAS	282.98	D326700	DIANA SALDIVAR	282.05
D326701	RICARDO SALDIVAR	317.67	D326702	DANA MARIE SAUCEDO	2351.17
D326703	EMERON J SCHLUMPBERGER	935.04	D326704	AUSTIN M ST MARSEILLE	427.33
D326705	MIRANDA M TORRES	186.71	D326706	KENNETH P TRAVIS III	232.45
D326707	CLAUDIA VALDIVIA	2760.34	D326708	JEFFREY VAN STICKLE	2064.65
D326709	DAISY O VENCES	490.33	D326710	JOSHUA VENCES	295.67
D326711	PAUL E VICTORIA	1199.33	D326712	JACOB D VIRAMONTES	272.97
D326713	DAVID M WILMES	424.74	D326714	AMANDA M POLLOCK	1259.90
D326715	THOMAS R SCHULTZ	3261.79	D326716	TREVOR G SMOUSE	1781.95
D326717	ALBERTO ACOSTA	3152.37	D326718	ANTHONY R ACOSTA	1513.60
D326719	JOHN D BARANGER III	3086.39	D326720	LUCAS B BAUER	2689.96
D326721	BRADLEY D BELL	5453.71	D326722	JERRY R BRENNEMAN	3493.45
D326723	GUY BROWN	2366.27	D326724	JOSE J CAMBEROS	3394.12
D326725	DANIEL L CLEARWATER	3254.65	D326726	YVES G CLERMONT	2504.56

**** PAGE TOTAL = 134040.75

D326727	JOE W CRAWFORD	2031.71	D326728	TIMOTHY A CRAWFORD	2130.16
D326729	JUSTIN D DOYLE	2550.26	D326730	MICHAEL G ECKHARDT JR	4612.43
D326731	DAVID W EDNOFF	5028.84	D326732	STEVE P FELNER	3295.76
D326733	JAMES L GABBARD	5171.59	D326734	DREW R GARCIA	1600.12
D326735	JEFF W HANNA	2243.63	D326736	MATTHEW R HENSHAW	4924.01
D326737	MICHAEL L JACOBS	2249.35	D326738	WILLIAM R JAEGER	2580.70
D326739	JORDAN R JEMIOLA	3909.48	D326740	MATTHEW C KLEIBACKER	3016.41
D326741	SCOTT A KUHLMAN	3766.08	D326742	NICHOLAS A LERARIO	1653.57
D326743	COREY L LINDSAY	1383.52	D326744	NORMAN M LOVELY	7023.55
D326745	JOHN M MARQUEZ JR	1537.01	D326746	CHEYNE C MAULE	3917.78
D326747	TERRY A MCGOVERN JR	5752.03	D326748	SHANE D MELLEME	1711.03
D326749	TRAVIS M MELLEME	4658.49	D326750	MARK A MICKELSEN	2648.43
D326751	SON L NGUYEN	6777.85	D326752	THANH Q NGUYEN	4485.77
D326753	FREDERICK N NIBLO	3106.10	D326754	BRENT C PARDOEN	1984.37
D326755	MICHAEL KURT RIETH	3460.54	D326756	WADE E RUHMAN	3434.35
D326757	DENNIS L RUZICKA	3870.29	D326758	DAVID C SANCHEZ	2616.93
D326759	TIMOTHY S SAWYER	3859.79	D326760	NICK R SCHAEFER	1815.12
D326761	SCOTT A SCHERER	3835.76	D326762	MORRIS B SPELL	4456.28
D326763	WILLIAM S STROHM	4519.71	D326764	JUSTIN D TRAVER	1847.15
D326765	CHRISTOPHER B TRENHOLM	2862.45	D326766	JUSTIN TRUHILL	4215.11
D326767	MARIO G VALDERRAMA	3712.25	D326768	DAVID S WALDSCHMIDT	2853.85
D326769	MARK S WEISS	4220.72	D326770	JOSEPH A WINGERT JR	3990.91
D326771	JASON R BLOWGREN	3851.75	D326772	MYLES A BURROUGHS	826.07
D326773	DAVID M CARLSON	3321.77	D326774	PARKER W CARY	2016.31
D326775	JOSHUA A FELDMAN	4313.02	D326776	TIMOTHY D FISHER	5523.24
D326777	GARRET M FURUTA	3094.24	D326778	CHRISTOPHER P HAWKINS	1839.99
D326779	SHANE S HOWEY	1923.28	D326780	PETER M HUBER	2370.96
D326781	JAYCEN R JUSTUS	2138.95	D326782	ANTHONY L KNAACK	4273.94
D326783	ROSS L LAIRD III	2169.50	D326784	JOSHUA D LEE	2320.46
D326785	DANIEL J MOORE	4322.25	D326786	GRANT A NOBLE	3518.44
D326787	ERIC S NORRDIN	3815.34	D326788	ANTHONY J PAGE	3300.38
D326789	ERIC M PALOMO	2858.60	D326790	ANDREW J ROACH	2643.27
D326791	RICHARD RONSTADT	5420.31	D326792	TIMOTHY N STOWE	2420.19
D326793	ERIC THORSON	4500.33	D326794	RYAN D VAN WIE	2979.77
D326795	JONATHAN C WHITE	2444.27	D326796	GREGORY D WILLIAMS	1971.06
D326797	JEREMIE E YORKE	2666.13	D326798	BRYSON T DAHLHEIMER	1760.57
D326799	LISA S GUARDI	693.25	D326800	DON T NGUYEN	2242.81
D326801	NICHOLAS S SEELEY	145.32	D326802	JOSEPH I VALENZUELA	145.32
D326803	PAUL J WHITTAKER	3934.70	D326804	RANDY ABRAHAMSON	3498.55
D326805	TODD D ELGIN	10215.16	D326806	CAROLE A KANEGAE	2237.50
D326807	KRISTEN A BACKOURIS	1594.41	D326808	SHARON S BARK	1706.43
D326809	GENA M BOWEN	1225.27	D326810	JESENIA CAMPOS	1166.53
D326811	THOMAS R DARE	4985.61	D326812	HELENA ELSOUSOU	2657.66
D326813	ROBERT D FOWLER	4769.65	D326814	PATRICK E GILDEA	3145.82
D326815	AI KELLY HUYNH	1880.94	D326816	CINDY S NAGAMATSU HANLON	2542.80
D326817	JEFFREY C NIGHTENGALE	4254.40	D326818	REYNA ROSALES	1536.73
D326819	TIMOTHY R ASHBAUGH	2307.92	D326820	ALFREDO R AVALOS	3366.31
D326821	RENE BARRAZA	4339.26	D326822	CARLOS BAUTISTA JR	2486.73

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D326823	RYAN S BERLETH	2217.75	D326824	SUMMER A BOGUE	2221.18
D326825	ROBERT W CAMPBELL	1203.73	D326826	JEROME L CHEATHAM	4885.79
D326827	GARY L COULTER	2605.97	D326828	NATHANIEL D COX	4397.97
D326829	CHARLIE DANIELEY III	1707.15	D326830	NICHOLAS A DE ALMEIDA LO	2666.38
D326831	KEVIN DINH	7502.01	D326832	JARED R DOYLE	3151.84
D326833	MICHELLE N ESTRADA-MONSA	5670.58	D326834	KARI A FLOOD	2558.58
D326835	VICTORIA A GILL	2119.26	D326836	JOSEPH P GROSS JR	4292.57
D326837	TROY HALLER	3249.93	D326838	ALLAN S HARRY	4332.91
D326839	WILLIAM T HOLLOWAY	6174.54	D326840	MICHAEL J JENSEN	3705.31
D326841	NICKOLAS K JENSEN	2515.24	D326842	PATRICK R JULIENNE	2354.82
D326843	KRISTOFER D KELLEY	2411.82	D326844	TIMOTHY P KOVACS	3868.68
D326845	CHRISTOPHER LAWTON	3565.38	D326846	JON D LOFQUIST	2725.14
D326847	BRADLEY A LOWEN	2206.70	D326848	SHAYLEN L MAO	2608.37
D326849	MATTHEW P MARCHAND	3409.85	D326850	MARIO MARTINEZ JR	10133.92
D326851	BRYAN J MEERS	2670.88	D326852	JEREMY N MORSE	5159.05
D326853	MITCHEL S MOSSER	2151.59	D326854	JASON M MURO	3923.89
D326855	PATRICK J MUSCHETTO	4038.38	D326856	AARON S NELSON	3169.77
D326857	ADAM C NIKOLIC	3003.00	D326858	LUIS A PAYAN	2767.42
D326859	JASON S PERKINS	3897.87	D326860	PHILLIP H PHAM	2831.60
D326861	DOUGLAS A PLUARD	3294.25	D326862	COREY T POLOPEK	2897.17
D326863	JOHN E REYNOLDS	16128.12	D326864	CHRISTIN E ROGERS	2600.62
D326865	AARON T SHIPLEY	2506.87	D326866	GAREY D STAAL	5953.86
D326867	BRIAN T STROUD	3778.47	D326868	VINCENTE J VAICARO	12166.65
D326869	EDGAR VALENCIA	3928.11	D326870	DANIEL J VILLEGAS	2252.51
D326871	JONATHAN B WAINWRIGHT	3672.05	D326872	CHRISTOPHER A WASINGER	2559.23
D326873	ADAM D ZMIJA	3461.35	D326874	MARCOS R ALAMILLO	2877.69
D326875	BOBBY B ANDERSON	2683.37	D326876	PEDRO R ARELLANO	4070.14
D326877	JOHN F BANKSON	5094.16	D326878	JOSHUA K BEHZAD	2327.27
D326879	JEFFREY A BROWN	4421.97	D326880	JOHN CASACCIA II	4063.65
D326881	JUAN C CENTENO	3522.65	D326882	DAVID Y H CHANG	5186.86
D326883	HAN J CHO	3532.09	D326884	BRIAN M CLASBY JR	5169.16
D326885	CHASEN P CONTRERAS	2426.30	D326886	AMIR A EL-FARRA	4247.56
D326887	JOSHUA N ESCOBEDO	2753.01	D326888	HECTOR FERREIRA JR	2863.68
D326889	GEORGE R FIGUEREDO	7125.44	D326890	ROGER A FLANDERS	2473.78
D326891	MICHAEL E GERDIN	6208.96	D326892	ROBERT J GIFFORD	3472.32
D326893	SEAN M GLEASON	2620.41	D326894	BRIAN G HATFIELD	2604.16
D326895	EFRAIN A JIMENEZ JR	3479.05	D326896	MICHAEL J JOHNSON	3452.99
D326897	ARION J KNIGHT	4889.03	D326898	RAFAEL M LEE	389.83
D326899	DEREK M LINK	2836.25	D326900	RAFAEL LOERA JR	3048.33
D326901	CHARLES H LOFFLER	2934.37	D326902	MARK A LORD	4257.19
D326903	TAYLOR A MACY	6971.58	D326904	GIANLUCA F MANIACI	3646.19
D326905	NATHAN D MORTON	2792.91	D326906	PATRICK W MURPHY	2893.71
D326907	RUDOLPH J NEGRON	2906.61	D326908	JEFFREY C NGUYEN	5965.21
D326909	STEVEN TRUJILLO ORTIZ	3147.94	D326910	OMAR F PEREZ	2590.87
D326911	JOHN E RANEY	3165.61	D326912	RYAN R RICHMOND	5278.27
D326913	ERIC T RUZIECKI	3142.33	D326914	SEAN M SALAZAR	3503.65
D326915	LINO G SANTANA	3960.76	D326916	PHILIP E SCHMIDT	4018.94
D326917	ROBERT M STEPHENSON III	3264.00	D326918	JOHN J YERGLER	2308.19

**** PAGE TOTAL = 363864.52

D326919	KATHERINE M ANDERSON	4276.59	D326920	PAUL W ASHBY	3111.91
D326921	RYAN V BUSTILLOS	3134.41	D326922	THOMAS A CAPPS	3322.88
D326923	MICHAEL K ELHAMI	2588.16	D326924	DANNY J MIHALIK	2556.83
D326925	RON A REYES	2887.54	D326926	ROCKY F RUBALCABA	3192.76
D326927	ROYCE C WIMMER	4296.67	D326928	JUAN L DELGADO JR	3004.37
D326929	CHRISTOPHER M EARLE	10664.57	D326930	BENJAMIN M ELIZONDO	9450.27
D326931	OTTO J ESCALANTE	5521.54	D326932	GEORGE KAISER	3150.51
D326933	PETER M KUNKEL	8161.83	D326934	NICHOLAS A LAZENBY	3560.92
D326935	LUIS F RAMIREZ	4978.17	D326936	AARON J COOPMAN	2560.42
D326937	DONALD J HUTCHINS	3866.88	D326938	JASON L JOHNSON	3153.50
D326939	ERICK LEYVA	3198.77	D326940	RYAN M LUX	3670.89
D326941	RAUL MURILLO JR	3893.66	D326942	JOSHUA T OLIVO	9820.77
D326943	COURTNEY P ALLISON	2267.71	D326944	LISA A BELTHIUS	641.90
D326945	RANDY G CHUNG	211.62	D326946	ADAM B COUGHRAN	34.73
D326947	CHRISTOPHER C DOVEAS	406.84	D326948	DANIEL S EDWARDS	985.03
D326949	VERONICA NELSON	1007.77	D326950	JOHN O OJEISEKHOB	192.57
D326953	JOSEPH D VARGAS	280.22	D326952	TRAVIS J WHITMAN	5303.47
D326955	CARL J WHITNEY	3855.31	D326954	FRANCISCO AVALOS JR	387.62
D326957	ISAAC DAVILA	425.74	D326956	FELICIA H PEREZ	574.83
D326959	JULIAN TAPIA	355.55	D326958	KENTON TRAN	392.05
D326959	KEIRA LONG	74.36	D326960	KAREN D BRAME	1249.32
D326961	KENNETH L CHISM	2005.35	D326962	JAMES E COLEGROVE	4542.77
D326963	PAUL E DANIELSON	1462.27	D326964	RUSSELL B DRISCOLL	497.95
D326965	MICHAEL FEHER	1218.04	D326966	KORY C FERRIN	3336.06
D326967	JAMES D FISHER	464.21	D326968	VICTORIA M FOSTER	1560.20
D326969	EDWARD K KIM	1883.72	D326970	KENNETH E MERRILL	531.25
D326971	CHARLES W STARNES	4480.44	D326972	JOHN J STEPANOVICH	919.90
D326973	PATRICK M THRASHER	1127.51	D326974	MICHAEL J VISCOMI	4673.57
D326975	TUONG-VAN NGUYEN VU	1678.83	D326976	WILLIAM ALLISON	3769.54
D326977	GARY E ELKINS	2307.38	D326978	JOHN A FLAWS	2233.73
D326979	JASON S FULTON	1929.84	D326980	JAMES C HOLDER	2925.81
D326981	ROBERT J KIVLER	1314.85	D326982	VICTORIA L LAWTON	2368.08
D326983	EDUARDO C LEIVA	4485.33	D326984	RAQUEL D MATA	791.11
D326985	REBECCA S MEES	2582.98	D326986	MICHELLE L OLMSTEAD	959.80
D326987	DAVID C YOUNG	3420.13	D326988	MARIA A ALCARAZ	1976.21
D326989	CARISSA L BRUNICK	2686.09	D326990	TAMMY L CHAURAN-HAIRGROV	1849.06
D326991	VERONICA FRUTOS	1163.06	D326992	DAVID L GEORGE	2096.59
D326993	JENNIFER A GERACI	1588.90	D326994	JOAN L HIGHTOWER	1794.45
D326995	PINKY C HINGCO	2660.79	D326996	SHELBY KEULIAN	2055.30
D326997	ALLYSON T LE	1922.89	D326998	ANGELA LEDESMA	2287.64
D326999	MARIA C MCFARLANE	1951.76	D327000	TRINA T NGUYEN	1670.78
D327001	DEBRA J NICHOLS	2014.11	D327002	DIANA L O'BRIEN	1056.48
D327003	ASHLEY C ROJAS	1508.92	D327004	JENNIFER V ROMBOUGH	1823.85
D327005	KIMBRA S VELLANOWETH	1927.26	D327006	KRISTIN M WEISS	1598.30
D327007	SHANNON M YELENSKY	2050.75	D327008	JENNIFER A DIX	2922.21
D327009	KATHERINE M FRANCISCO	2347.87	D327010	AMANDA B GARNER	2111.95
D327011	ARCHIE GUZMAN	2559.00	D327012	ROBERT D LUX	2469.61
D327013	MELISSA MENDOZA-CAMPOS	2087.65	D327014	MICHAEL A MOSER	1981.56


**** PAGE TOTAL = 240305.15

D327015	BRANDY J PARK	2314.85	D327016	CRISTINA V PAYAN	1833.70
D327017	JENNIFER M RODRIGUEZ	2663.21	D327018	TANYA L SAMOFF	3144.62
D327019	SUSAN A I SEYMOUR	3078.28	D327020	NICOLE D SHORROW	443.65
D327021	DANNY J SOSEBEE	2337.67	D327022	MARSHA D SPELLMAN	2448.70
D327023	SPENCER T TRAN	1975.76	D327024	SANTA WARDLE	943.48
D327025	CHERYL L WHITNEY	2393.70	D327026	CLAUDIA ALARCON	3053.27
D327027	RICHARD A ALVAREZ-BROWN	2533.46	D327028	EVAN S BERESFORD	2909.06
D327029	RAY E BEX	3770.72	D327030	RICHARD O BURILLO	5404.66
D327031	DANIEL A CAMARA	3109.29	D327032	SCOTT A COLEMAN	5683.40
D327033	BRIAN D DALTON	3418.43	D327034	RICHARD E DESBIENS	11281.28
D327035	STEPHEN C ESTLOW	1240.71	D327036	MICHAEL D FARLEY	2367.35
D327037	JAMES D FRANKS	4436.50	D327038	PETE GARCIA	2046.83
D327039	STEVEN H HEINE	1613.52	D327040	JOSE D HERRERA	3042.68
D327041	THI A HUYNH	3676.27	D327042	GERALD F JORDAN	4331.11
D327043	JOSEPH L KOLANO	2388.27	D327044	LEA K KOVACS	3407.84
D327045	DAVID LOPEZ	2608.23	D327046	STEVEN W LUKAS	1501.40
D327047	SINDY RAMIREZ OROZCO	10070.19	D327048	TERRA M RAMIREZ	2132.14
D327049	CHRISTOPHER M SHELGREEN	13683.56	D327050	PAUL M TESSIER	4648.14
D327051	DENNIS WARDLE	2657.74	D327052	RONALD A DOSCHER	2159.14
D327053	ERIC A QUINTERO	3434.47	D327054	MARY C CERDA	1922.21
D327055	NICOLE L CHUNG	1999.47	D327056	NICHOLAS G FRANC	1783.17
D327057	SUSAN A HOLSTEIN	2788.86	D327058	LIANE Y KWAN	2696.26
D327059	JANY H LEE	3375.08	D327060	SHERRILL A MEAD	2168.21
D327061	CAITLYN M STEPHENSON	1658.78	D327062	LAURA J STOVER	4793.56
D327063	FRANA K CASSIDY	2221.89	D327064	ANNA L GOLD	1645.24
D327065	HLEN Q PHAM	1752.52	D327066	KATRENA J SCHULZE	379.99
D327067	MATTHEW T SWANSON	1474.87	D327068	ANTHONY VALENZUELA	1347.15
D327069	CANDY G WILDER	1928.32	D327070	STEVEN F ANDREWS	1478.56
D327071	TERENCE S CHANG	2233.45	D327072	VERNA L ESPINOZA	1770.18
D327073	CESAR GALLO	2297.39	D327074	CHARLES D KALIL	1786.06
D327075	GEOFFREY A KLOESS	2578.07	D327076	RACHOT MORAGRAAN	3483.49
D327077	NOEL J PROFFITT	3099.15	D327078	ANAND V RAO	5108.07
D327079	JOSEPH M SCHWARTZ	2362.44	D327080	ROD T VICTORIA	2153.79
D327081	TERREL KEITH WINSTON	3433.31	D327082	POLICE ASSN	15609.74
D327083	GG FIRE FIGHTERS 2005	21833.26	D327084	SO CAL CU	85966.00
D327085	SOUTHLAND CU	11901.94	W2446	GREAT WEST LIFE 457 #340	106799.35
W2447	GREAT WEST LIFE OBRA#340	2506.24	W2448	INTERNAL REVENUE SERVICE	368010.22
W2449	EMPLOYMENT DEVELOPMENT D	119054.80			

**** PAGE TOTAL = 933588.37

TOTAL CHECK PAYMENTS	39	47,163.95
TOTAL DIRECT DEPOSITS	704	1,862,177.38
TOTAL WIRE PAYMENTS	4	596,370.61
GRAND TOTAL PAYMENTS	747	2,505,711.94

Checks #182067 thru #182104, and Direct Deposits #D325938 thru #D327085, and wire #W2446 thru #W2449 presented in the Payroll Register submitted to the Garden Grove City Council 13 MAR 2018, have been audited for accuracy and funds are available for payment thereof.


 KINGSLEY C OKEREKE - FINANCE DIRECTOR

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635524-635794	VOID WARRANTS		
635795	15915 LA FORGE ST WHITTIER LLC	RENT SUBSIDY	3,319.00 *
635796	2555 WEST WINSTON ROAD, LP PEBBLE COVE APARTMENTS	RENT SUBSIDY	1,920.00 *
635797	ADAMS, WILLIAM C/O KK & ASSOCIATES	RENT SUBSIDY	1,065.00 *
635798	ADVANCED GROUP 01-75, A CA LTD C/O CRESTWOOD APARTMENTS	RENT SUBSIDY	1,735.00 *
635799	ADVANTAGE PROPERTY MANAGEMENT C/O MARILYN MARTIN	RENT SUBSIDY	658.00 *
635800	ALISO VIEJO 621, LP	RENT SUBSIDY	1,137.00 *
635801	ALPINE APTS	RENT SUBSIDY	6,032.00 *
635802	ANAHEIM REVITALIZATION II PART	RENT SUBSIDY	603.00 *
635803	ANAHEIM REVITALIZATION PARTNERS LP	RENT SUBSIDY	826.00 *
635804	AYERS, MARILISA BRADFORD	RENT SUBSIDY	690.00 *
635805	BAHIA VILLAGE MOBILEHOME PARK	RENT SUBSIDY	1,312.00 *
635806	BRE PARAGON MF INVESTMENT LP	RENT SUBSIDY	2,074.00 *
635807	BRIAR CREST / ROSE CREST	RENT SUBSIDY	2,295.00 *
635808	BUI JR, RICHARD	RENT SUBSIDY	3,627.00 *
635809	BUI JR, RICHARD	RENT SUBSIDY	318.00 *
635810	BUI, JIMMY QUOC	RENT SUBSIDY	3,654.00 *
635811	BUI, LAI	RENT SUBSIDY	652.00 *
635812	BUI, LAN HUYNH NGOC	RENT SUBSIDY	834.00 *
635813	BUI, MINH Q	RENT SUBSIDY	2,117.00 *
635814	BUI, PHAT	RENT SUBSIDY	1,415.00 *
635815	BUI, SON MINH	RENT SUBSIDY	794.00 *
635816	BUI, SON VAN	RENT SUBSIDY	1,452.00 *

PAGE TOTAL FOR "*" LINES = 38,529.00

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635817	BUI, TINH TIEN	RENT SUBSIDY	808.00 *
635818	CALKINS, RONALD	RENT SUBSIDY	1,134.00 *
635819	CEDAR CREEK APARTMENT HOMES	RENT SUBSIDY	700.00 *
635820	CHAMBERLAIN, DAVID T.	RENT SUBSIDY	1,281.00 *
635821	CHANTECLAIR APTS	RENT SUBSIDY	942.00 *
635822	CHEN, DAVID	RENT SUBSIDY	836.00 *
635823	CHOI, JOON	RENT SUBSIDY	826.00 *
635824	CONCEPCION, RODRIGO C/O LOTUS PROPERTY SERVICES	RENT SUBSIDY	927.00 *
635825	CONCORD MGMT LLC	RENT SUBSIDY	721.00 *
635826	CRESTWOOD ON 7, LLC	RENT SUBSIDY	4,466.00 *
635827	CROCKETT, JACK C/O DROUIN REALTY	RENT SUBSIDY	3,799.00 *
635828	CURTIS PROPERTIES, INC	RENT SUBSIDY	1,280.00 *
635829	DAISY VI ASSOCIATES LTD	RENT SUBSIDY	4,741.00 *
635830	DANG, STACY HOA TUOI	RENT SUBSIDY	1,565.00 *
635831	DANG, THANH-THUY THI	RENT SUBSIDY	2,651.00 *
635832	DAO, THY MAI	RENT SUBSIDY	1,234.00 *
635833	DEERFIELD APARTMENTS	RENT SUBSIDY	88.00 *
635834	DIEP, HOI TUAN	RENT SUBSIDY	1,432.00 *
635835	DINH, HAI	RENT SUBSIDY	1,228.00 *
635836	DINH, TUAN	RENT SUBSIDY	2,148.00 *
635837	DO, AI HANG NGUYEN	RENT SUBSIDY	1,515.00 *
635838	DO, DOMINIC HAU	RENT SUBSIDY	1,580.00 *

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635839	DO, KIEN TRONG	RENT SUBSIDY	1,974.00 *
635840	DO, MINH TAM	RENT SUBSIDY	1,587.00 *
635841	DO, THUAN	RENT SUBSIDY	1,082.00 *
635842	DO, TIM	RENT SUBSIDY	1,745.00 *
635843	DOAN, DINH T	RENT SUBSIDY	1,153.00 *
635844	DONNER, HELMUT	RENT SUBSIDY	1,283.00 *
635845	DUONG, LAN	RENT SUBSIDY	1,308.00 *
635846	DUONG, CHI THI	RENT SUBSIDY	1,626.00 *
635847	EASTWIND PROPERTIES, LLC	RENT SUBSIDY	2,163.00 *
635848	EL CAMINO LU, LLC	RENT SUBSIDY	887.00 *
635849	EL PUEBLO APTS	RENT SUBSIDY	517.00 *
635850	ELDEN EAST APARTMENTS	RENT SUBSIDY	1,061.00 *
635851	EMERALD GARDENS APT	RENT SUBSIDY	1,253.00 *
635852	ERILEX FAMILY L.P. C/O MARK WEINER, MANAGER	RENT SUBSIDY	1,048.00 *
635853	EUCLID PARK APTS	RENT SUBSIDY	1,470.00 *
635854	FAIRWAY MANOR, LP C/O CHESTNUT PLACE	RENT SUBSIDY	580.00 *
635855	FG SEACLIFF SENIOR APTS, LP	RENT SUBSIDY	646.00 *
635856	FIELDS, FLOYD H	RENT SUBSIDY	677.00 *
635857	FRANCISCAN GARDENS APTS- ATTN: MANAGER	RENT SUBSIDY	14,805.00 *
635858	FULLWOOD, DALE A	RENT SUBSIDY	809.00 *
635859	GARCIA, ALBINO	RENT SUBSIDY	2,382.00 *
635860	GARDEN GROVE HOUSING AUTHORITY-ESCROW ACCT	RENT SUBSIDY	7,534.00 *

PAGE TOTAL FOR "*" LINES = 47,590.00

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635861	GEORGIAN APTS	RENT SUBSIDY	988.00 *
635862	GIA VU, INC	RENT SUBSIDY	1,872.00 *
635863	GIRGIS, EMAN	RENT SUBSIDY	2,356.00 *
635864	GRANDE APARTMENTS LP	RENT SUBSIDY	1,043.00 *
635865	GREEN LOTUS GROUP, LLC	RENT SUBSIDY	1,618.00 *
635866	VOID WARRANT		
635867	Grove Park LLC	RENT SUBSIDY	3,809.00 *
635868	HA OF THE COUNTY OF SAN DIEGO	RENT SUBSIDY	528.58 *
635869	HA, MANH MINH	RENT SUBSIDY	943.00 *
635870	HA, TRAN D	RENT SUBSIDY	1,347.00 *
635871	HAN, LINDA	RENT SUBSIDY	1,679.00 *
635872	HANSEN, RICHARD D	RENT SUBSIDY	1,144.00 *
635873	HARA, KULJIT	RENT SUBSIDY	763.00 *
635874	HARA, STEVE C/O WESTERN INTL PROP	RENT SUBSIDY	2,654.00 *
635875	HAUPT PROPERTIES LLC C/O DROUIN REALTY	RENT SUBSIDY	691.00 *
635876	HERITAGE VILLAGE	RENT SUBSIDY	1,388.00 *
635877	HIROMOTO, JANE	RENT SUBSIDY	1,431.00 *
635878	HO, THOMAS P	RENT SUBSIDY	1,015.00 *
635879	HOANG, JAMES	RENT SUBSIDY	3,148.00 *
635880	HOANG, LIEN	RENT SUBSIDY	1,915.00 *
635881	HOFFMAN, NICK	RENT SUBSIDY	761.00 *
635882	HOLLYWOOD HOUSING AUTHORITY	RENT SUBSIDY	1,010.58 *

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635883	HUYNH, NATALIE N	RENT SUBSIDY	1,891.00 *
635884	HUYNH, PHILIP	RENT SUBSIDY	415.00 *
635885	HUYNH, NGHIA TRUNG	RENT SUBSIDY	1,507.00 *
635886	HUYNH, TRANG	RENT SUBSIDY	2,809.00 *
635887	JEANNE JURADO TRUSTEE C/O ELITE MANAGEMENT	RENT SUBSIDY	936.00 *
635888	JOHNSON, GARY RICHARD	RENT SUBSIDY	2,050.00 *
635889	JOHNSON, LINDA	RENT SUBSIDY	2,183.00 *
635890	JOMARC PROPERTIES LTD	RENT SUBSIDY	6,111.00 *
635891	JOSEPH & KIM CORP.	RENT SUBSIDY	957.00 *
635892	KDF HERMOSA LP	RENT SUBSIDY	4,496.00 *
635893	KDF MALABAR LP C/O VPM INC	RENT SUBSIDY	30,093.00 *
635894	KDF QV LP	RENT SUBSIDY	1,165.00 *
635895	KDF SEA WIND LP	RENT SUBSIDY	1,049.00 *
635896	KEITH AND HOLLY CORPORATION	RENT SUBSIDY	2,044.00 *
635897	KING COUNTY HOUSING AUTHORITY	RENT SUBSIDY	2,198.79 *
635898	KLEIN, MARTIN C/O ORANGE COUNTY PROPERTY MGT	RENT SUBSIDY	750.00 *
635899	KOLSY, M I	RENT SUBSIDY	715.00 *
635900	KOTLYAR, ALISA	RENT SUBSIDY	1,057.00 *
635901	KUNZMAN, WILLIAM	RENT SUBSIDY	1,275.00 *
635902	LA PALMA APTS L.P.	RENT SUBSIDY	934.00 *
635903	LAM, CAM THI T	RENT SUBSIDY	574.00 *
635904	LAS FLORES APARTMENTS	RENT SUBSIDY	819.00 *

PAGE TOTAL FOR "*" LINES = 66,028.79

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635905	LE FAMILY TRUST C/O PHONG THANH LE	RENT SUBSIDY	2,255.00 *
635906	LE, BILL B.Q.	RENT SUBSIDY	1,062.00 *
635907	LE, CHRIS	RENT SUBSIDY	1,836.00 *
635908	LE, DANIEL	RENT SUBSIDY	976.00 *
635909	LE, DON	RENT SUBSIDY	573.00 *
635910	LE, DONALD	RENT SUBSIDY	886.00 *
635911	LE, NGHIA V	RENT SUBSIDY	1,293.00 *
635912	LE, NGOC-MAI T	RENT SUBSIDY	784.00 *
635913	LE, TRACEY	RENT SUBSIDY	1,238.00 *
635914	LE, VIET Q.	RENT SUBSIDY	982.00 *
635915	LE, YENNHI	RENT SUBSIDY	1,899.00 *
635916	LE, BAO GIA	RENT SUBSIDY	2,102.00 *
635917	LE, KIM Q	RENT SUBSIDY	1,019.00 *
635918	LE, XAN NGOC	RENT SUBSIDY	1,002.00 *
635919	LE-MUNZER, HOABINH	RENT SUBSIDY	838.00 *
635920	LEMON GROVE LP	RENT SUBSIDY	988.00 *
635921	LINCOLN WOODS APARTMENTS	RENT SUBSIDY	689.00 *
635922	LLE LLC	RENT SUBSIDY	2,772.00 *
635923	LOS CABALLEROS REAL ESTATE &FS	RENT SUBSIDY	1,524.00 *
635924	LUONG, LONG DUC	RENT SUBSIDY	1,471.00 *
635925	LY, THANH	RENT SUBSIDY	1,653.00 *
635926	MACDONALD, WILLIAM T	RENT SUBSIDY	1,922.00 *

PAGE TOTAL FOR "*" LINES = 29,764.00

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635927	MAGIC LAMP MOBILE HOME PARK	RENT SUBSIDY	1,007.00 *
635928	MAGNOLIA PLAZA	RENT SUBSIDY	701.00 *
635929	MAH, LARRY	RENT SUBSIDY	794.00 *
635930	MAI-NGUYEN, HANH T	RENT SUBSIDY	1,070.00 *
635931	MAMMEN, TERRY	RENT SUBSIDY	4,289.00 *
635932	MANNIL, SUPUNNEE	RENT SUBSIDY	956.00 *
635933	MARQUIS APTS, LLC C/O BEACH FRONT PROP. MGMT INC	RENT SUBSIDY	1,683.00 *
635934	MAX & MIN PROPERTIES, LLC C/O AMPAC MANAGEMENT GROUP, INC	RENT SUBSIDY	2,999.00 *
635935	MCCOWN, A R	RENT SUBSIDY	890.00 *
635936	MIDWAY INTEREST LP C/O ADVANCED PROPERTY MGMT	RENT SUBSIDY	901.00 *
635937	MIYAMOTO, JEAN C/O MONTEREY PROPERTY	RENT SUBSIDY	301.00 *
635938	MONARK, LP	RENT SUBSIDY	1,284.00 *
635939	NEWPORT SR. VILLAGE Atten: OFFICE	RENT SUBSIDY	729.00 *
635940	NGO, ANDREW	RENT SUBSIDY	1,218.00 *
635941	NGO, KIM	RENT SUBSIDY	989.00 *
635942	NGO, MARY	RENT SUBSIDY	4,356.00 *
635943	NGO, HOA KIM	RENT SUBSIDY	2,007.00 *
635944	NGUYEN, AN KIM	RENT SUBSIDY	895.00 *
635945	NGUYEN, ANTHONY	RENT SUBSIDY	1,036.00 *
635946	NGUYEN, BACH THI	RENT SUBSIDY	1,070.00 *
635947	NGUYEN, BICHLE T	RENT SUBSIDY	4,191.00 *
635948	NGUYEN, BRYAN	RENT SUBSIDY	2,032.00 *

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635949	NGUYEN, CHARLIE	RENT SUBSIDY	1,360.00 *
635950	NGUYEN, CHRISTINE	RENT SUBSIDY	1,693.00 *
635951	NGUYEN, D DUY MD	RENT SUBSIDY	950.00 *
635952	NGUYEN, FRANK M	RENT SUBSIDY	1,476.00 *
635953	NGUYEN, HOA THI	RENT SUBSIDY	1,269.00 *
635954	NGUYEN, HOC VAN	RENT SUBSIDY	3,673.00 *
635955	NGUYEN, HUNG	RENT SUBSIDY	924.00 *
635956	NGUYEN, KHANH	RENT SUBSIDY	2,004.00 *
635957	NGUYEN, KHANH DANG	RENT SUBSIDY	789.00 *
635958	NGUYEN, LE THUY	RENT SUBSIDY	1,084.00 *
635959	NGUYEN, LOAN THANH	RENT SUBSIDY	1,034.00 *
635960	NGUYEN, MAI C/O WESTERN INTERNATIONAL PROP	RENT SUBSIDY	1,325.00 *
635961	NGUYEN, NICOLE U	RENT SUBSIDY	1,429.00 *
635962	NGUYEN, QUANG M	RENT SUBSIDY	1,077.00 *
635963	NGUYEN, STEVE T	RENT SUBSIDY	2,647.00 *
635964	NGUYEN, STEVEN	RENT SUBSIDY	886.00 *
635965	NGUYEN, TAM N	RENT SUBSIDY	1,152.00 *
635966	NGUYEN, TAN QUAN	RENT SUBSIDY	1,204.00 *
635967	NGUYEN, THANG XUAN	RENT SUBSIDY	914.00 *
635968	NGUYEN, THANH VAN C/O WESTERN INTERNATIONAL PROP	RENT SUBSIDY	2,540.00 *
635969	NGUYEN, THIEN THI	RENT SUBSIDY	1,255.00 *
635970	NGUYEN, THU-ANH	RENT SUBSIDY	1,537.00 *

PAGE TOTAL FOR "*" LINES = 32,222.00

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635971	NGUYEN, THUYHUONG THI	RENT SUBSIDY	509.00 *
635972	NGUYEN, VINH K	RENT SUBSIDY	1,276.00 *
635973	NGUYEN, CUONG CHI	RENT SUBSIDY	3,427.00 *
635974	NGUYEN, HUNG C.	RENT SUBSIDY	1,269.00 *
635975	NGUYEN, LAN-NGOC	RENT SUBSIDY	1,094.00 *
635976	NGUYEN, NICOLE UYEN	RENT SUBSIDY	911.00 *
635977	NGUYEN, PAULINE KIMPHUNG	RENT SUBSIDY	1,063.00 *
635978	NGUYEN, SHERRY LIEU	RENT SUBSIDY	1,690.00 *
635979	NGUYEN, TON SANH	RENT SUBSIDY	1,081.00 *
635980	NGUYEN, TRACY	RENT SUBSIDY	1,464.00 *
635981	NGUYEN-TU, THUY-TIEN	RENT SUBSIDY	2,096.00 *
635982	NORTHWOOD PLACE	RENT SUBSIDY	3,363.00 *
635983	OMDAHL, JOHN	RENT SUBSIDY	2,995.00 *
635984	PALM GARDEN APARTMENTS ATTN: OFFICE	RENT SUBSIDY	1,017.00 *
635985	PARK, JIN	RENT SUBSIDY	1,262.00 *
635986	PARK, CHONG PIL	RENT SUBSIDY	1,093.00 *
635987	PATTUMMADITH, SUWAPANG	RENT SUBSIDY	1,141.00 *
635988	PAVILION PARK SENIOR 1 HOUSING PARTNERS, LP	RENT SUBSIDY	1,296.00 *
635989	PHAM, ANH THI	RENT SUBSIDY	1,048.00 *
635990	PHAM, DAVID DUNG	RENT SUBSIDY	1,260.00 *
635991	PHAM, KHANG	RENT SUBSIDY	992.00 *
635992	PHAM, QUYEN	RENT SUBSIDY	780.00 *

PAGE TOTAL FOR "*" LINES = 32,127.00

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635993	PHAM, TAP VAN	RENT SUBSIDY	229.00 *
635994	PHAM, TUNG	RENT SUBSIDY	1,196.00 *
635995	PHAM, VAN THI	RENT SUBSIDY	1,271.00 *
635996	PHAM, LOAN ANH THI	RENT SUBSIDY	1,210.00 *
635997	PHAN, VIVIAN	RENT SUBSIDY	993.00 *
635998	PINEMEADOWS APARTMENTS ATTN: LEASING OFFICE	RENT SUBSIDY	2,267.00 *
635999	PLAZA WOODS, LLC	RENT SUBSIDY	2,218.00 *
636000	PM-AM INVESTMENT LLC	RENT SUBSIDY	681.00 *
636001	PORTOLA IRVINE, LP ANTON PORTOLA APARTMENTS	RENT SUBSIDY	1,291.00 *
636002	RANCHO ALISAL	RENT SUBSIDY	1,205.00 *
636003	RATANJEE, D M	RENT SUBSIDY	1,680.00 *
636004	RAYMOND AND LYNN RUAIS	RENT SUBSIDY	1,575.00 *
636005	ROCEL PROPERTIES MGMT INC	RENT SUBSIDY	1,066.00 *
636006	S.E. AMSTER	RENT SUBSIDY	1,095.00 *
636007	SALSOL PROPERTIES, LLC	RENT SUBSIDY	1,612.00 *
636008	SAN MARCO APTS	RENT SUBSIDY	397.00 *
636009	SAN MARINO VILLAS APTS	RENT SUBSIDY	940.00 *
636010	SEGUN HOUSING AUTHORITY	RENT SUBSIDY	492.58 *
636011	SILLO NORTHEAST, LLC	RENT SUBSIDY	1,866.00 *
636012	STANTON GROUP THREE, LLC	RENT SUBSIDY	3,465.00 *
636013	VOID WARRANTS		
636014	TA, CATHY	RENT SUBSIDY	1,466.00 *

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
636016	TAMERLANE APARTMENTS	RENT SUBSIDY	1,726.00 *
636017	TERESINA APARTMENTS	RENT SUBSIDY	2,169.00 *
636018	THE KNOLLS	RENT SUBSIDY	158.00 *
636019	THE OVERLOOK	RENT SUBSIDY	1,000.00 *
636020	THE ROSE GARDEN APTS	RENT SUBSIDY	3,735.00 *
636021	THOMSON EQUITIES	RENT SUBSIDY	947.00 *
636022	THOMSON EQUITIES C/O BILL MAC DONALD	RENT SUBSIDY	2,814.00 *
636023	TIC INVESTMENT COMPANY LLC C/O SAN LEON	RENT SUBSIDY	4,589.00 *
636024	TIC INVESTMENT COMPANY LLC C/O SAN REMO	RENT SUBSIDY	1,818.00 *
636025	TRAN, EDWARD T	RENT SUBSIDY	924.00 *
636026	TRAN, HANG	RENT SUBSIDY	1,177.00 *
636027	TRAN, JOSEPH QUANG	RENT SUBSIDY	748.00 *
636028	TRAN, LUCIA THUY	RENT SUBSIDY	823.00 *
636029	TRAN, MAI	RENT SUBSIDY	3,111.00 *
636030	TRAN, THERESA T	RENT SUBSIDY	530.00 *
636031	TRAN, TIEN	RENT SUBSIDY	739.00 *
636032	TRAN, VAN	RENT SUBSIDY	777.00 *
636033	TRAN, THU-HANG	RENT SUBSIDY	742.00 *
636034	TRAN-NGUYEN, LIEN KIM	RENT SUBSIDY	871.00 *
636035	TRG FULLERTON AFFORDABLE LP / VENTANA APARTMENTS	RENT SUBSIDY	623.00 *
636036	TRINH, THANH-MAI	RENT SUBSIDY	1,774.00 *
636037	TRINH, TRANG N	RENT SUBSIDY	892.00 *

PAGE TOTAL FOR "*" LINES = 32,687.00

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
636038	TRUONG, BAY LE	RENT SUBSIDY	1,136.00 *
636039	TRUONG, THUAN BICH	RENT SUBSIDY	994.00 *
636040	TRUONG, THUAN BICH	RENT SUBSIDY	2,918.00 *
636041	TRUONG, SON BICH	RENT SUBSIDY	1,449.00 *
636042	TSAU, LI-CHIN	RENT SUBSIDY	1,115.00 *
636043	TU BI THIEN TAM	RENT SUBSIDY	1,140.00 *
636044-636045	VOID WARRANTS		
636046	TURI, ANGELO S	RENT SUBSIDY	2,417.00 *
636047	VILLA CAPRI ESTATES	RENT SUBSIDY	711.00 *
636048	VINH, THUA	RENT SUBSIDY	244.00 *
636049	VISTA DEL SOL APTS	RENT SUBSIDY	1,070.00 *
636050	VO, KHANH MAI	RENT SUBSIDY	3,149.00 *
636051	VO, KIMCHI	RENT SUBSIDY	1,672.00 *
636052	VO, NAM T	RENT SUBSIDY	608.00 *
636053	VO, TIN TRUNG	RENT SUBSIDY	863.00 *
636054	VOLE, TINA NGA	RENT SUBSIDY	1,666.00 *
636055	VPM MANAGEMENT	RENT SUBSIDY	892.00 *
636056	VU, NAM H	RENT SUBSIDY	846.00 *
636057	VU, THAI	RENT SUBSIDY	1,407.00 *
636058	VU, DANNY	RENT SUBSIDY	607.00 *
636059	WALDEN APTS	RENT SUBSIDY	3,789.00 *
636060	WEST, NEIL E	RENT SUBSIDY	946.00 *

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
636061	WINDSOR-DAWSON LP	RENT SUBSIDY	4,866.00 *
636062	WINDWOOD KNOLL APARTMENTS	RENT SUBSIDY	2,509.00 *
636063	WOODBURY SQUARE	RENT SUBSIDY	1,291.00 *
636064	YIANG, VINCE	RENT SUBSIDY	1,076.00 *
636065	ZHAO, GEORGE	RENT SUBSIDY	971.00 *
W635794	13251 NEWLAND LLC C/O ERICA STIDHAM	RENT SUBSIDY	7,650.00 *
W635795	19822 BROOKHURST, LLC	RENT SUBSIDY	3,178.00 *
W635796	ACACIA VILLAGE C/O DOUGLAS HOFER	RENT SUBSIDY	56,045.00 *
W635797	ADRIATIC APTS C/O MANAGER	RENT SUBSIDY	889.00 *
W635799	AEGEAN APARTMENTS C/O STERLING PROPERTY MGMT	RENT SUBSIDY	9,427.00 *
W635800	ALLARD APARTMENT, LLC	RENT SUBSIDY	4,028.00 *
W635801	AMERICAN FAMILY HOUSING	RENT SUBSIDY	5,813.00 *
W635803	ARJON, TIMOTE	RENT SUBSIDY	12,287.00 *
W635804	AYNEM INVESTMENTS,LP C/O A & M PROP	RENT SUBSIDY	16,272.00 *
W635805	BOWEN PROPERTY, LLC	RENT SUBSIDY	50,955.00 *
W635806	BREA WOODS SENIOR APTS, LLC	RENT SUBSIDY	408.00 *
W635807	BUENA PARK SUNRISE APTS LP	RENT SUBSIDY	3,492.00 *
W635809	BUI, DUNG	RENT SUBSIDY	4,188.00 *
W635810	BUI, KIMBERLY	RENT SUBSIDY	2,139.00 *
W635813	BUI, NGA HUYNH	RENT SUBSIDY	3,664.00 *
W635816	BUI, THUAN	RENT SUBSIDY	3,124.00 *
W635817	BURLEY, DAVID M C/O PARK PACIFIC	RENT SUBSIDY	9,414.00 *

PAGE TOTAL FOR "*" LINES = 203,686.00

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
W635818	CAO, XUAN	RENT SUBSIDY	13,650.00 *
W635819	CERVANTES JR, ARTEMIO	RENT SUBSIDY	612.00 *
W635820	CHANG, EVELYN	RENT SUBSIDY	10,422.00 *
W635821	CHEN, SHIAO-YUNG	RENT SUBSIDY	47,064.00 *
W635822	CHIANG, LI-YONG	RENT SUBSIDY	6,840.00 *
W635823	CLIFTON, KATHLEEN P	RENT SUBSIDY	17,153.00 *
W635825	CONTINENTAL GARDENS APTS	RENT SUBSIDY	31,316.00 *
W635827	CURTIS FAMILY TRUST C/O SPURR & ASSOCIATES, INC	RENT SUBSIDY	6,951.00 *
W635828	DAC,NGHIA HO OR PHAN VE TU	RENT SUBSIDY	2,747.00 *
W635829	DANG, CHINH VAN	RENT SUBSIDY	7,517.00 *
W635831	DAO, MINH	RENT SUBSIDY	4,614.00 *
W635832	DAO, TU VAN	RENT SUBSIDY	14,074.00 *
W635833	DIAZ, FRANK T	RENT SUBSIDY	3,177.00 *
W635834	DINH, CHINH	RENT SUBSIDY	1,570.00 *
W635835	DINH, LAN THAI	RENT SUBSIDY	11,487.00 *
W635836	DNK PROPERTY LLC	RENT SUBSIDY	14,594.00 *
W635837	DO, BRANDON BINH	RENT SUBSIDY	1,900.00 *
W635838	DO, JONATHAN	RENT SUBSIDY	3,017.00 *
W635839	DO, MINH C.	RENT SUBSIDY	2,310.00 *
W635840	DO, MY-PHUONG	RENT SUBSIDY	1,983.00 *
W635841	DO, THUY THI	RENT SUBSIDY	2,648.00 *
W635842	DO, TINA	RENT SUBSIDY	5,362.00 *

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
W635843	DONG, MINH TRANG	RENT SUBSIDY	18,091.00 *
W635844	DSN INVESTMENT GROUP, LLC	RENT SUBSIDY	19,111.00 *
W635845	DUONG, MINH B	RENT SUBSIDY	5,729.00 *
W635846	DUONG, HUNG Q	RENT SUBSIDY	1,619.00 *
W635847	EHLE, GERALD	RENT SUBSIDY	3,107.00 *
W635849	EL RAY PARTNERS, LLC C/O SCHROEDER MANAGEMENT CO.	RENT SUBSIDY	7,705.00 *
W635850	EMERALD FIELD, LLC	RENT SUBSIDY	9,842.00 *
W635851	ENGEL, TERRY C	RENT SUBSIDY	136.00 *
W635853	FAIRFAX COUNTY DEPT OF HOUSING	RENT SUBSIDY	9,296.58 *
W635854	FAN, BOONE	RENT SUBSIDY	2,717.00 *
W635856	FOREVERGREEN EXPANSION, LLC	RENT SUBSIDY	6,004.00 *
W635857	FRECHTMAN, WILLIAM	RENT SUBSIDY	4,008.00 *
W635858	GANZ, KARL	RENT SUBSIDY	872.00 *
W635859	GARCIA, NORMA OR WILLIAM	RENT SUBSIDY	1,872.00 *
W635860	GARDEN GROVE HOUSING ASSOCIATE	RENT SUBSIDY	6,752.00 *
W635861	GERMAIN, AARON & CASSANDRA	RENT SUBSIDY	1,249.00 *
W635862	GIACALONE, BRIGITTE	RENT SUBSIDY	2,675.00 *
W635863	GR8 FAMILY HOMES, LLC	RENT SUBSIDY	2,993.00 *
W635864	GREEN LANTERN VILLAGE CALIFORNIA MHPMGT CO	RENT SUBSIDY	363.00 *
W635865	GREENFIELDSD, LLC	RENT SUBSIDY	3,324.00 *
W635866	GROVE PARK L.P.	RENT SUBSIDY	53,839.00 *
W635867	HA OF DEKALB COUNTY	RENT SUBSIDY	9,672.96 *

PAGE TOTAL FOR "*" LINES = 170,977.54

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
W635868	HA, KHIEM Q	RENT SUBSIDY	2,057.00 *
W635870	HALL & ASSOCIATES, INC.	RENT SUBSIDY	6,076.00 *
W635872	HANSON, CLIFTON & BRENDA	RENT SUBSIDY	1,962.00 *
W635874	HARBOR GROVE LUXURY APARTMENTS C/O RENTAL OFFICE	RENT SUBSIDY	26,182.00 *
W635875	HAWAII COUNTY HOUSING AGENCY	RENT SUBSIDY	3,839.78 *
W635876	HERITAGE VILLAGE ANAHEIM	RENT SUBSIDY	2,005.00 *
W635877	HMZ RESIDENTIAL PARK LP	RENT SUBSIDY	13,863.00 *
W635878	HO, TIM	RENT SUBSIDY	1,934.00 *
W635879	HOANG, LAN T	RENT SUBSIDY	1,120.00 *
W635880	HOANG, LANG	RENT SUBSIDY	4,977.00 *
W635882	HOUSING AUTHORITY OF PORTLAND	RENT SUBSIDY	23,009.12 *
W635884	HUYNH, RICHARD T	RENT SUBSIDY	4,820.00 *
W635886	JANESKI, JERRY	RENT SUBSIDY	16,387.00 *
W635887	JG & B CORPORATION	RENT SUBSIDY	9,767.00 *
W635888	JOHNSON, NATHAN D.	RENT SUBSIDY	1,041.00 *
W635891	JUNG SUN NOH C/O CROWN INVESTMENT REALTY	RENT SUBSIDY	26,489.00 *
W635895	KEH, LU-YONG	RENT SUBSIDY	3,896.00 *
W635896	KELLEY, ROBERT	RENT SUBSIDY	21,289.00 *
W635897	KING INVESTMENT GROUP, INC C/O BERNARD KING	RENT SUBSIDY	8,966.00 *
W635898	KNK PROPERTIES C/O EDWARD KUO	RENT SUBSIDY	10,107.00 *
W635900	KPKK, LLC	RENT SUBSIDY	838.00 *
W635901	KUO, EDWARD C/O BUENA GROVE	RENT SUBSIDY	2,571.00 *

PAGE TOTAL FOR "*" LINES = 193,195.90

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
W635902	LAGUNA HILLS TRAVELODGE LLC ATTN: OFFICE	RENT SUBSIDY	38,853.00 *
W635903	LAM, DUY M	RENT SUBSIDY	32,182.00 *
W635904	LAU, STEPHEN	RENT SUBSIDY	2,997.00 *
W635905	LE MORNINGSIDE, LLC	RENT SUBSIDY	1,271.00 *
W635910	LE, LANH C	RENT SUBSIDY	27,626.00 *
W635912	LE, STEPHANIE THU	RENT SUBSIDY	11,732.00 *
W635913	LE, VICTOR	RENT SUBSIDY	2,272.00 *
W635915	LE, ANH NGOC	RENT SUBSIDY	552.00 *
W635919	LEDUC, MONIQUE	RENT SUBSIDY	2,982.00 *
W635920	LINCOLN VILLAS APT HOMES, LLC	RENT SUBSIDY	16,614.00 *
W635921	LIU, ROBERT	RENT SUBSIDY	3,144.00 *
W635922	LONG, TU-ANH & DUONG, TROY	RENT SUBSIDY	1,154.00 *
W635923	LOTUS GARDENS C/O L'ABRI MANAGEMENT	RENT SUBSIDY	18,413.00 *
W635924	LUVIE CORPORATION	RENT SUBSIDY	11,538.00 *
W635925	LY, TUYEN X	RENT SUBSIDY	5,228.00 *
W635926	MADJE-STAMPER PATRICIA A MADJE	RENT SUBSIDY	3,907.00 *
W635929	MAI, ANN N	RENT SUBSIDY	9,873.00 *
W635931	MANDAS, KONSTANTINOS P.	RENT SUBSIDY	1,129.00 *
W635932	MARIPOSA PROPERTIES	RENT SUBSIDY	892.00 *
W635934	MAYER, LEOPOLD	RENT SUBSIDY	5,980.00 *
W635935	MEAGHER, ELMER	RENT SUBSIDY	10,131.00 *
W635936	MIKE & KATHY LEE LP	RENT SUBSIDY	2,800.00 *

PAGE TOTAL FOR "*" LINES = 211,270.00

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
W635937	MOHLER, BYRON OR CHRISTINE COY - MANAGER	RENT SUBSIDY	2,227.00 *
W635938	N&V DEVELOPMENT, LLC	RENT SUBSIDY	26,103.00 *
W635939	NGHIEM, DALE XUAN	RENT SUBSIDY	15,290.00 *
W635940	NGO, DANNY	RENT SUBSIDY	2,077.00 *
W635941	NGO, LOC T	RENT SUBSIDY	899.00 *
W635942	NGO, VINCE K	RENT SUBSIDY	3,603.00 *
W635944	NGUYEN, ANH	RENT SUBSIDY	4,169.00 *
W635947	NGUYEN, BRIAN BAO-KHA	RENT SUBSIDY	7,137.00 *
W635948	NGUYEN, CALVIN H	RENT SUBSIDY	1,320.00 *
W635949	NGUYEN, CHI HUYEN	RENT SUBSIDY	1,530.00 *
W635950	NGUYEN, CHRISTINE	RENT SUBSIDY	5,191.00 *
W635951	NGUYEN, DUONG	RENT SUBSIDY	12,128.00 *
W635952	NGUYEN, HAO & HUONG T	RENT SUBSIDY	3,714.00 *
W635953	NGUYEN, HOA THI OR NGUYEN, JOSEPH	RENT SUBSIDY	4,974.00 *
W635954	NGUYEN, HUAN NGOC	RENT SUBSIDY	2,754.00 *
W635955	NGUYEN, HUNG X	RENT SUBSIDY	8,643.00 *
W635957	NGUYEN, LANIE	RENT SUBSIDY	8,833.00 *
W635958	NGUYEN, LINDA	RENT SUBSIDY	3,579.00 *
W635959	NGUYEN, LYNDIA	RENT SUBSIDY	6,460.00 *
W635960	NGUYEN, MYRA D	RENT SUBSIDY	25,168.00 *
W635961	NGUYEN, PHUONG MY THI	RENT SUBSIDY	15,437.00 *
W635962	NGUYEN, SKY	RENT SUBSIDY	3,564.00 *

PAGE TOTAL FOR "*" LINES = 164,800.00

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
W635963	NGUYEN, STEVEN	RENT SUBSIDY	886.00 *
W635964	NGUYEN, STEVENS	RENT SUBSIDY	1,960.00 *
W635966	NGUYEN, THAI DUC	RENT SUBSIDY	1,702.00 *
W635968	NGUYEN, THANH-NHAN	RENT SUBSIDY	3,218.00 *
W635969	NGUYEN, THINH QUOC	RENT SUBSIDY	1,501.00 *
W635970	NGUYEN, THUY	RENT SUBSIDY	1,965.00 *
W635971	NGUYEN, VAN HUY	RENT SUBSIDY	17,716.00 *
W635972	NGUYEN, VIVIAN	RENT SUBSIDY	3,599.00 *
W635973	NGUYEN, DUNG VAN	RENT SUBSIDY	1,790.00 *
W635974	NGUYEN, HUY	RENT SUBSIDY	5,957.00 *
W635975	NGUYEN, LEYNA T	RENT SUBSIDY	5,707.00 *
W635977	NGUYEN, PERRY	RENT SUBSIDY	1,096.00 *
W635978	NGUYEN, THANH	RENT SUBSIDY	14,234.00 *
W635980	NGUYEN, XUAN YEN	RENT SUBSIDY	5,756.00 *
W635981	NORMANDY APARTMENTS, LLC	RENT SUBSIDY	1,186.00 *
W635982	OLSEN, MARIEL J	RENT SUBSIDY	1,215.00 *
W635983	ORANGE COUNTY COMMUNITY HOUSING CORP	RENT SUBSIDY	45,051.00 *
W635984	PARK PLACE APTS LLP	RENT SUBSIDY	19,737.00 *
W635986	PATEL DILIP M	RENT SUBSIDY	5,723.00 *
W635988	PETITE ELISE, LLC	RENT SUBSIDY	6,552.00 *
W635989	PHAM, BINH Q	RENT SUBSIDY	4,054.00 *
W635990	PHAM, HOANG	RENT SUBSIDY	9,513.00 *

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
W635991	PHAM, NGHIA	RENT SUBSIDY	10,546.00 *
W635992	PHAM, SON THAI	RENT SUBSIDY	4,084.00 *
W635993	PHAM, THANH QUOC	RENT SUBSIDY	11,653.00 *
W635994	PHAM, UYEN DAI L	RENT SUBSIDY	2,889.00 *
W635995	PHAM, HAI MINH	RENT SUBSIDY	12,580.00 *
W635996	PHAN, OANH	RENT SUBSIDY	6,494.00 *
W635997	PHARN, ART S	RENT SUBSIDY	9,642.00 *
W635998	PLANO HOUSING AUTHORITY	RENT SUBSIDY	3,189.78 *
W635999	PLYMOUTH HRA	RENT SUBSIDY	635.63 *
W636000	PORTILLO, OSCAR OR ANISA	RENT SUBSIDY	2,375.00 *
W636001	PRINCE NEW HORIZON VILLAGE	RENT SUBSIDY	15,108.00 *
W636003	RAVENWOOD PROPERTIES, LLC	RENT SUBSIDY	1,983.00 *
W636004	REO INTERNATIONAL CORPORATION	RENT SUBSIDY	7,139.00 *
W636005	ROMO, JULIETA	RENT SUBSIDY	2,291.00 *
W636006	SABUNJIAN, MIHRAN	RENT SUBSIDY	6,025.00 *
W636009	SANTA ANA HOUSING AUTHORITY	RENT SUBSIDY	19,262.22 *
W636010	SHREEVES PROPERTIES, LLC C/O ORANGE COUNTY PROP MGMT	RENT SUBSIDY	10,600.00 *
W636011	SPRINGDALE STREET APARTMENTS	RENT SUBSIDY	20,390.00 *
W636012	STANTON GROUP, LLC	RENT SUBSIDY	8,234.00 *
W636014	SUNGROVE SENIOR APTS	RENT SUBSIDY	128,347.00 *
W636015	TA, DAVID	RENT SUBSIDY	4,365.00 *
W636016	TDT WASHINGTON, LLC	RENT SUBSIDY	5,101.00 *

PAGE TOTAL FOR "*" LINES = 292,933.63

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
W636017	THE GROVE SENIOR APARTMENTS	RENT SUBSIDY	49,400.00 *
W636018	THE MEDITERRANEAN APTS	RENT SUBSIDY	951.00 *
W636022	THULSIRAJ, ANA MARIA C/O LIDO PROPERTY MGMT	RENT SUBSIDY	2,815.00 *
W636024	TON, TAP THAT	RENT SUBSIDY	77,054.00 *
W636025	TRAN, FREDERICK M	RENT SUBSIDY	770.00 *
W636026	TRAN, HO VAN	RENT SUBSIDY	16,320.00 *
W636027	TRAN, KEVIN THANH	RENT SUBSIDY	10,844.00 *
W636029	TRAN, NHUT NGUYEN	RENT SUBSIDY	13,316.00 *
W636030	TRAN, THERESA T	RENT SUBSIDY	4,262.00 *
W636031	TRAN, TIM	RENT SUBSIDY	11,843.00 *
W636032	TRAN,THAO DUC	RENT SUBSIDY	6,256.00 *
W636034	TRANG, TOM	RENT SUBSIDY	1,382.00 *
W636035	TRIEU, NANCY	RENT SUBSIDY	4,646.00 *
W636037	TRINH, TUNG XUAN	RENT SUBSIDY	2,532.00 *
W636038	TRUONG, DUNG T	RENT SUBSIDY	3,886.00 *
W636040	TRUONG,QUYEN MY	RENT SUBSIDY	1,220.00 *
W636041	TSAI,CAROLINE	RENT SUBSIDY	3,805.00 *
W636045	TUDOR GROVE C/O GOLDEN REMCO INC	RENT SUBSIDY	64,195.00 *
W636046	VALLEY VIEW SENIOR APTS C/O G & K MGMT CO, INC	RENT SUBSIDY	33,308.00 *
W636048	VIRAMONTES, ARTHUR E	RENT SUBSIDY	1,775.00 *
W636049	VLE RENTAL, LLC	RENT SUBSIDY	6,834.00 *
W636051	VO, LOC ANH	RENT SUBSIDY	3,937.00 *

PAGE TOTAL FOR "*" LINES = 321,351.00

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/01/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
W636054	VORA, NIPA D	RENT SUBSIDY	2,038.00 *
W636055	VU, DAT	RENT SUBSIDY	24,002.00 *
W636056	VU, PHAT D	RENT SUBSIDY	7,433.00 *
W636057	VU, VINCE HUNG	RENT SUBSIDY	4,876.00 *
W636058	VUONG, TRI NGHIEP	RENT SUBSIDY	4,722.00 *
W636059	WASHINGTON COUNTY HRA	RENT SUBSIDY	30,565.04 *
W636060	WESTCHESTER PARK LP	RENT SUBSIDY	27,398.00 *
W636062	WONG, THOMAS	RENT SUBSIDY	22,489.00 *
W636063	YAU, LEON SHU	RENT SUBSIDY	985.00 *
W636064	ZASLAVSKY, EUGENIA C/O WESTERN INTERNATIONAL	RENT SUBSIDY	5,612.00 *

PAGE TOTAL FOR "*" LINES = 130,120.04

FINAL TOTAL 2,499,666.64 *

DEMANDS #635795 - 636065 AND DIRECT DEPOSITS W635794 - W636064 AS PRESENTED IN THE WARRANT REGISTER SUBMITTED TO THE GARDEN GROVE CITY COUNCIL MARCH 1, 2018, HAVE BEEN AUDITED FOR ACCURACY AND FUNDS ARE AVAILABLE FOR PAYMENT THEREOF

DIRECT DEPOSITS \$2,048,747.11



KINGSLEY C. OKERKE - FINANCE DIRECTOR

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/13/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
635404	MC MASTER-CARR SUPPLY CO	REV & VOID	-83.93 *
636066	JOHN BANKSON	TRAVEL ADVANCE	991.80 *
636067	C.A.P.F. CALIF ASSOC PROF FIREFIGHTERS	DISABILITY INSURANCE	2,033.50 *
636068	C.L.E.A. CALIF LAW ENFORCEMENT ASSOC	DISABILITY INSURANCE	3,195.50 *
636069	STATE OF CALIF-FRANCHISE TAX BOARD	WAGE ATTACHMENT	503.74 *
636070	CHANG, ELLIS	MED TRUST REIMB	2,300.00 *
636071	CHO, HAN J.	TRAVEL ADVANCE-P.D.	220.88 *
636072	COULTER, GARY L	TRAVEL ADVANCE-P.D.	220.88 *
636073	ENTERPRISE RIDESHARE EAN SERVICES, LLC	OTHER RENTALS	3,715.00 *
636074	GOVERNMENT SOCIAL MEDIA, LLC	TUITION/TRAINING	850.00 *
636075	LEE, GRACE	DEP CARE REIMB	192.30 *
636076	LOS ALTOS TROPHY	AWARDS/TROPHIES	1,916.55 *
636077	MANIACI*, GIANLUCA	MISC REIMBURSEMENT	95.00 *
636078	NELSON, AARON S	MED TRUST REIMB	2,499.90 *
636079	LEGAL SHIELD	LEGAL	1,340.55 *
636080	REYNOLDS, MICHELLE	WAGE ATTACHMENT	461.54 *
636081	RUITENSCHILD, LES	DEP CARE REIMB	79.60 *
636082	STOVER, LAURA	MED TRUST REIMB	369.50 *
636083	UNION BANK	ADVERTISING	295.00
		LODGING	2,505.58
		OTHER CONF/MTG EXP	45.00

PAGE TOTAL FOR "*" LINES = 20,902.31

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/13/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
636084	CO. OF ORANGE	TUITION/TRAINING	696.82
		FOOD	98.51
636085	WHITNEY, CARL	DATA PROCESSING SUPP	34.99
		SOFTWARE	32.31
636086	WHITNEY, CARL	MINOR OFFICE FURN/EQ	204.90
			3,913.11 *
636087	VALDIVIA, CLAUDIA	WAGE ATTACHMENT	134.31 *
636088	YOO, MEENA	MED TRUST REIMB	191.91 *
636089	HODSON, AARON	EMPL COMPUTER PURCH	2,500.00 *
636090	CO. OF ORANGE	DEP CARE REIMB	30.80 *
		MED TRUST REIMB	320.00 *
636091	CITIBANK %CITIGROUP	DEP CARE REIMB	92.31 *
		WAGE ATTACHMENT	276.92 *
		OTHER PROF SERV	63.00
		L/S/A TRANSPORTATION	883.19
		LODGING	1,185.79
		OTHER CONF/MTG EXP	665.48
			2,797.46 *
636092	INTERNAL REVENUE SERVICE	WAGE ATTACHMENT	37.50 *
636093	MARIE CALLENDER'S	FOOD	48.54 *
636094	TRANSAMERICA EMPLOYEE BENEFITS	LIFE INS PREMIUM	5,966.10 *
636095	TRUONG, ELAINE	DEP CARE REIMB	660.00 *
636096	DANNY MIHALIK	TRAVEL ADVANCE-P.D.	80.00 *
636097	STANDARD INSURANCE COMPANY 00 643061 0001	DISABILITY INSURANCE	24,950.77 *
636098	UNITED STATES TREASURY	WAGE ATTACHMENT	130.00 *

PAGE TOTAL FOR "*" LINES = 42,129.73

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/13/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
636099	CO. OF ORANGE	WAGE ATTACHMENT	553.85 *
636100	RAUL MURILLO	TRAVEL ADVANCE-P.D.	200.00 *
636101	PAYAN, LUIS	TRAVEL ADVANCE-P.D.	156.70 *
636102	CALIFORNIA PEACE OFFICERS ASSOCIATION	TUITION/TRAINING	228.00 *
636103	SOUTH COAST AIR QUALITY MGMT DISTRICT	TUITION/TRAINING	170.94 *
636104	ALARCON, CLAUDIA	TRAVEL ADVANCE-PP.D.	200.00 *
636105	ATLAS BUILDING MAINTENANCE, INC.	JANITORIAL SUPPLIES	340.48 *
636106	ACA COMPLIANCE SERVICES INC DBA CIMPLX COMPLIANCE SERVICES	OTHER PROF SERV	1,320.75 *
636107	ADAMSON POLICE PRODUCTS	MOTOR VEH PARTS	2,127.05 *
636108	ALAN'S LAWN AND GARDEN CENTER INC.	MOTOR VEH PARTS	1,813.04 *
636109	ALL CITY MANAGEMENT SERVICES, INC.	CROSSING GUARD SERV	9,088.20 *
636110	ALLSTAR FIRE EQUIPMENT INC.	SAFETY EQ/SUPPLIES	75.27 *
636111	ANAHEIM HOUSING AUTHORITY COMMUNITY DEV.	MOBILITY INSP FEE	975.00 *
636112	ANAHEIM REGIONAL MEDICAL CENTER	MEDICAL SERVICES	1,600.00 *
636113	AUTO PARTS DISTRIBUTOR	MOTOR VEH PARTS	2,921.27 *
636114	BAY ALARM COMPANY	MAINT OF REAL PROP	944.97 *
636115	BIG RON'S AUTO BODY & PAINT, INC.	REPAIRS-FURN/MACH/EQ	6,446.57 *
636116	BROWNELLS, INC.	OTHER MINOR TOOLS/EQ	2,670.76 *
636117	RUSSELL SIGLER INC.	AIR COND SUPPLIES	291.05 *
636118	C.WELLS PIPELINE MATERIALS INC.	WHSE INVENTORY	1,993.40 *
636119	CALIF FORENSIC PHLEBOTOMY INC	MEDICAL SERVICES	3,531.00 *
636120	CAMERON WELDING SUPPLY	FACT:PROGRAM EXP	19.48

PAGE TOTAL FOR "*" LINES = 37,648.30

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/13/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
636121	CHANG, ELLIS	OTHER MAINT ITEMS	41.90
636122	CITY OF FULLERTON	OTHER REC/CULT SUPP	42.44
636123	SUPPLYWORKS		103.82 *
636124	CONTINENTAL CONCRETE CUTTING	TUITION/TRAINING	768.12 *
636125	COUNTRY CITY TOWING	OTHER PROF SERV	33,872.13 *
636126	CRON & ASSOCIATES TRANSCRIPTION, INC.	WHSE INVENTORY	1,305.93
636127	DAVID VOLZ DESIGN LANDSCAPE ARCHITECTS, INC	JANITORIAL SUPPLIES	246.22
636128	DOOLEY ENTERPRISES, INC.		1,552.15 *
636129	EWING IRRIGATION PRODUCTS, INC.	OTHER MAINT ITEMS	4,272.00
636130	EXCLUSIVE AUTO DETAIL	GEN PURPOSE TOOLS	492.00
636131	FEDERAL EXPRESS CORP		4,764.00 *
636132	FORD OF ORANGE	TOWING SERVICES	935.00 *
636133	REPUBLIC WASTE SERVICES OF SOUTHERN CALIFORNIA, LLC	OTHER PROF SERV	2,364.48 *
636134	GARDEN GROVE SECURED STORAGE	OTHER PROF SERV	1,200.00 *
636135	GARDEN GROVE UNIFIED SCHOOL DIST	GUNS/AMMUNITION	11,819.64 *
636136	GOLDEN OFFICE TRAILERS INC	REPAIRS-FURN/MACH/EQ	10.00
		PIPES/APPURTENANCES	156.33
			166.33 *
		MOTOR VEHICLE MAINT	650.00 *
		FREIGHT/CARTAGE	11.58 *
		MOTOR VEH PARTS	1,772.85 *
		AMT DUE GG DISPSL	7,638.91
		REFUSE COLL SERV	9,813.09
			17,452.00 *
		LAND/BLDG/ROOM RENT	240.00 *
		LAND/BLDG/ROOM RENT	595.20 *
		LAND/BLDG/ROOM RENT	862.00 *

PAGE TOTAL FOR "*" LINES = 79,129.30

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/13/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
636137	CORE & MAIN LP	WHSE INVENTORY	1,077.50 *
636138	HAAKER EQUIPMENT COMPANY	MOTOR VEH PARTS	6,459.37 *
636139	HILLCO FASTENER WAREHOUSE	MOTOR VEH PARTS	33.23 *
636140	HILL'S BROS LOCK & SAFE INC	FACT:OFFICE EXP OTHER MAINT ITEMS	5.98 38.66 44.64 *
636141	INTERWEST CONSULTING GROUP ATTN: ACCOUNTING	OTHER PROF SERV	28,584.67 *
636142	INDUSTRIAL SAFETY SUPPLY COMPANY	SAFETY EQ/SUPPLIES	453.09 *
636143	RUSS BASSETT CORP ACCOUNTS RECEIVABLE	PROJECT REAPPROP	53,734.36 *
636144	KELLY PAPER	PAPER/ENVELOPES	285.81 *
636145	L-3 COMMUNICATIONS MOBILE-VISION, INC	MAINT-SERV CONTRACTS	4,270.00 *
636146	LAWSON PRODUCTS, INC.	MOTOR VEH PARTS	88.53 *
636147	LIDGARD AND ASSOCIATES	OTHER PROF SERV	1,850.00 *
636148	GALLS, LLC GALLS/QUARTERMASTER/ROY TAILORS	UNIFORMS	1,585.44 *
636149	LOS ALTOS TROPHY	AWARDS/TROPHIES	515.58 *
636150	MAGIC JUMP RENTALS OC LLC	OTHER PROF SERV	718.25 *
636151	MC MASTER-CARR SUPPLY CO	HARDWARE	10.34 *
636152	MERCHANTS BLDG MAINT LLC	MAINT-SERV CONTRACTS	916.74 *
636153	GARDEN GROVE ACE HARDWARE	MAINT SUPP-TRAFF SIG	57.08 *
636154	MOMAR, INC	MOTOR VEH PARTS	892.43 *
636155	MR. D'S AUTOMOTIVE	MOTOR VEHICLE MAINT	35.00 *
636156	NATIONAL CONSTRUCTION RENTALS	OTHER RENTALS	20.80 *
636157	NAVARRO*, JUAN	CELL PHONE/BEEPER	188.36 *

PAGE TOTAL FOR "*" LINES = 101,821.22

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/13/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
636158	OFFICE DEPOT, INC	OFFICE SUPPLIES/EXP	1,346.55 *
636159	NGUYEN*, DUC TRUNG	SAFETY EQ/SUPPLIES	240.00 *
636160	OCEAN BLUE ENVIRONMENTAL SERVICES, INC.	OTHER MAINT ITEMS	1,023.00 *
636161	OPPERMAN & SONS TRUCK	MOTOR VEH PARTS	816.11 *
636162	OPTIC UTILITY MARKER, LLC	WHSE INVENTORY	1,874.85 *
636163	O.C. HOUSING AUTHORITY ACCTG DEPT.	MOBILITY INSP FEE	900.00 *
636164	PACIFIC 4	WHSE INVENTORY	422.42 *
636165	PACIFIC TRUCK EQUIPMENT INC	MOTOR VEH PARTS	1,401.60 *
636166	PENCO ENGINEERING, INC.	ENGINEERING SERVICES	533.75 *
636167	PLUMBERS DEPOT INC.	HARDWARE	645.73 *
636168	LASALLE GROUP INC. DBA RIDDLE APPLIANCE & TV SVC	MAINT-SERV CONTRACTS	248.70 *
636169	NEWHOPE P & L, INC. DBA NEWHOPE PAINT & COATINGS	MOTOR VEHICLE MAINT OTHER MAINT ITEMS	995.00 1,400.00 2,395.00 *
636170	ROSEBURROUGH TOOL, INC.	GEN PURPOSE TOOLS	71.06 *
636171	S.C. YAMAMOTO, INC.	MAINT-SERV CONTRACTS	9,684.29 *
636172	SHELGOSE, JONATHAN AARON	OTHER PROF SERV	12,499.50 *
636173	SHRED CONFIDENTIAL, INC.	OTHER PROF SERV	126.00 *
636174	SIMPSON CHEVROLET OF GG	REPAIRS-FURN/MACH/EQ	67.50 *
636175	SITEONE LANDSCAPE SUPPLY HLDING	WHSE INVENTORY	516.34 *
636176	SMITH PIPE & SUPPLY COMPANY, INC	WHSE INVENTORY	1,724.66 *
636177	SOUTH COAST EMERGENCY VEHICLE SERVICES	MOTOR VEH PARTS	2,453.79 *
636178	SPARKLETT'S	BOTTLED WATER	14.45 *

PAGE TOTAL FOR "*" LINES = 39,005.30

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/13/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
636179	STEPHEN DORECK EQUIPMENT RENTALS, INC.	WTR/SWR CONST CONTR	232,408.21 *
636180	SUN BADGE COMPANY	UNIFORMS	1,211.16 *
636181	SUNBELT RENTALS	HEAVY EQUIP RENTAL	3,157.37 *
636182	THOMPSON DOOR & FRAME INC.	LUMBER	854.35 *
636183	HONEYWELL (FORMER TOTAL FIRE GROUP)	SAFETY EQUIP BOOKS/SUBS/CASSETTES	299.91 594.22 894.13 *
636184	TOXGUARD FLUID TECHNOLOGIES	GREASE/LUBE OIL	393.10 *
636185	TRANSACT TECHNOLOGIES, INC. ONE HAMDEN CENTER	REPAIRS-FURN/MACH/EQ	100.52 *
636186	TRUCK & AUTO SUPPLY INC. TrucParCo	MOTOR VEH PARTS	20.24 *
636187	TURNOUT MAINTENANCE COMPANY	REPAIRS-FURN/MACH/EQ FIRE TURNOUTS REPAIR SAFETY EQUIP	45.00 105.50 500.65 651.15 *
636188	TYCO FIRE&SECURITY(US) MGMT, INC DBA TYCO INTEGRATED SEC., LLCMAINT-SERV CONTRACTS		579.27 *
636189	U.S. ARMOR CORP.	UNIFORMS	6,673.16 *
636190	UNIFIRST CORP	LAUNDRY SERVICES	2,719.48 *
636191	UNITED RENTALS NORTHWEST, INC	AGGREGATES/MASONRY	446.09 *
636192	VULCAN MATERIALS COMPANY WESTERN DIVISION	ASPHALT PRODUCTS	2,355.11 *
636193	GRAINGER	WHSE INVENTORY GEN PURPOSE TOOLS SAFETY EQ/SUPPLIES	646.50 382.46 1,405.50 2,434.46 *
636194	CARL WARREN & CO	SELF-INS ADMN	9,000.00 *
636195	WAXIE SANITARY SUPPLY	WHSE INVENTORY	972.23 *
636196	UNITED WATER WORKS, INC.	PIPES/APPUTENANCES	1,060.20 *

PAGE TOTAL FOR "*" LINES = 265,930.23

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/13/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
636197	WEST COAST ARBORISTS INC	TREE TRIMMING SERV	10,093.00 *
636198	WEST COAST SAND & GRAVEL	OTHER MAINT ITEMS	611.20 *
636199	FERGUSON ENTERPRISES, INC #1350	PIPES/APPURTENANCES	8.19 *
636200	WOODRUFF, SPRADLIN & SMART A PROFESSIONAL CORP	LEGAL FEES	1,386.90 *
636201	YORBA LINDA FEED STORE, INC.	CANINE EXPENSES	58.15 *
636202	HANKINS, AMY	DEPOSIT REFUNDS	105.00 *
636203	DFM ASSOCIATES	OFFICE SUPPLIES/EXP	100.00 *
636204	PHUNG, DUNG	WATER REFUND	179.76 *
636205	CABRERA, CASSANDRA	DEPOSIT REFUNDS	500.00
		ROOM FEE REFUND	1,193.00
		RECREATION REFUND	-50.00
			1,643.00 *
636206	ROBERTO, ROBERT	DEPOSIT REFUNDS	250.00 *
636207	HOGAN, RICHARD	MISC REFUND	1,195.29 *
636208	THAI, HUY QUANG	TENANT UTILITY REIMB	2.00 *
636209	LUU, LE	TENANT UTILITY REIMB	2.00 *
636210	DO, TUAN NGUYEN	TENANT UTILITY REIMB	15.00 *
636211	LE, QUAN H.	TENANT UTILITY REIMB	2.00 *
636212	SMITH, LACRETIA	DEPOSIT REFUNDS	500.00 *
636213	BAUER, LUCAS	TUITION/TRAINING	618.00 *
636214	DTNtech MARKETING	OTHER CLOTHING ITEMS	646.50
		OFFICE SUPPLIES/EXP	204.73
		OTHER REC/CULT SUPP	766.80
			1,618.03 *
636215	MEMA ATTN: CRAIG CROWDER	DUES/MEMBERSHIPS	275.00 *

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/13/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
636216	LOVELY, NORMAN	TUITION/TRAINING	165.00 *
636217	FERTAL, JASON	DUES/MEMBERSHIPS	60.00 *
636218	AGUINAGA GREEN	OTHER AGR SUPPLIES	517.20 *
636219	GRAY, MIKE	SAFETY EQ/SUPPLIES	150.00 *
636220	BOLSA GUNSMITHING	OTHER BLD/EQ/ST SERV	562.87 *
636221	FACTORY MOTOR PARTS CO	MOTOR VEH PARTS	120.37 *
636222	ORANGE COUNTY DEPT OF EDUCATION SUPERINTENDENT OF SCHOOLS	DEPOSIT REFUNDS	57.00 *
636223	SOUTHERN CALIFORNIA ERGONOMICS	TELEPHONE EQUIP	1,569.90 *
636224	CHEMEX INDUSTRIES	JANITORIAL SUPPLIES	864.09 *
636225	MCFADDEN DALE INDUSTRIAL HARDWARE	OTHER MAINT ITEMS HARDWARE	165.99 83.93 249.92 *
636226	ADVANTIDGE INC.	OFFICE SUPPLIES/EXP	303.98 *
636227	ORANGE COUNTY FARM SUPPLY CO.	OTHER AGR SUPPLIES	121.39 *
636228	J & G INDUSTRIES INC	OTHER PROF SERV	75,424.00 *
636229	HOSHIZAKI WESTERN	MAINT-SERV CONTRACTS	517.18 *
636230	O'REILLY AUTO PARTS	MOTOR VEH PARTS	59.31 *
636231	CELLEBRITE USA INC	SOFTWARE	3,700.00 *
636232	THORPE, DON	TRUST FUND EXPEND	179.88 *
636233	VORTEX INDUSTRIES INC	MAINT-SERV CONTRACTS	480.00 *
636234	LEXISNEXIS RISK SOLUTIONS	BOOKS/SUBS/CASSETTES	662.30 *
636235	ECOLOGICAL FERTIGATION, INC.	MAINT-SERV CONTRACTS	1,155.00 *
636236	SELECT GRAPHIC PRINTING	PAPER/ENVELOPES	306.01 *

PAGE TOTAL FOR "*" LINES = 87,225.40

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/13/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
636237	TRENCH SHORING COMPANY	OTHER MAINT ITEMS	217.00 *
636238	TAYLOR, ANNA LAVINE	TENANT UTILITY REIMB	5.00 *
636239	TRAN, MINH KYLE*	DUES/MEMBERSHIPS	60.00 *
636240	BATTERY SYSTEMS INC.	MOTOR VEH PARTS	3,118.40 *
636241	LT PROPERTIES	LAND/BLDG/ROOM RENT	15,920.05 *
636242	HARPER & BURNS LLP	LEGAL FEES	405.00 *
636243	SUPERCO SPECIALITY PRODUCTS	JANITORIAL SUPPLIES	579.12 *
636244	HTL HOTEL ADVISORS, INC. DBA HTL HOSPITALITY ADVISORS	OTHER PROF SERV	5,041.25 *
636245	NGUYEN, BECKY	TENANT UTILITY REIMB	58.00 *
636246	DEPARTMENT OF JUSTICE ACCOUNTING/CASHERING DEPT	LIFESCAN FEE-DOJ	1,710.00 *
636247	CASON AYCOCK	OTHER PROF SERV	500.00 *
636248	IAFC	DUES/MEMBERSHIPS	254.00 *
636249	MARK BEDOR	OTHER PROF SERV	285.00 *
636250	PROPERTY SPECIALISTS, INC. DBA CPSI	PROPERTY ACQ SERV	10,505.93 *
636251	THE LEW EDWARDS GROUP	OTHER PROF SERV	5,000.00 *
636252	DAVID EVANS & ASSOCIATES, INC.	ENGINEERING SERVICES	12,160.00 *
636253	BLODGETT BAYLOSIS ENVRNMTL PLNG	OTHER PROF SERV	6,800.00 *
636254	UNITED RENTALS NORTHWEST INC.	AGGREGATES/MASONRY	445.70 *
636255	HF&H CONSULTANTS, LLC	OTHER PROF SERV	13,827.25 *
636256	YO-FIRE SUPPLIES	WHSE INVENTORY	2,107.34 *
636257	ENVIRONMENTAL CRIMINOLOGY RESEARCH INC	MAINT-SERV CONTRACTS	1,700.00 *
636258	MSC INDUSTRIAL SUPPLY CO. INC.	OFFICE SUPPLIES/EXP	143.42 *

PAGE TOTAL FOR "*" LINES = 80,842.46

WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/13/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
636259	ORANGE COUNTY CLERK RECORDER HALL OF FINANCE & RECORDS	EXEMPT FEE REFUND	100.00 *
636260	WIRELESS TELEMATICS, LLC	OTHER PROF SERV	360.00 *
636261	ELIZABETH PETERSON	OTHER PROF SERV	500.00 *
636262	LINE GEAR FIRE & RESCUE EQUIPMENT	SAFETY EQ/SUPPLIES	210.11 *
636263	MIWALL CORPORATION	GUNS/AMMUNITION	1,946.96 *
636264	CORNERSTONE COMMUNICATIONS, INC.	COMMUNITY RELATIONS	4,000.00 *
636265	PREMIUM QUALITY LIGHTING	ELECTRICAL SUPPLIES	1,728.17 *
636266	MAYER PRINTERS	PAPER/ENVELOPES	188.56 *
636267	JOHN PHILIP CHAVEZ JR	OTHER PROF SERV	150.00 *
636268	JD FUTURE ENTERPRISES INC DBA: BLUEDOGINK	OFFICE SUPPLIES/EXP	1,069.86 *
636269	LY, NANCY	TENANT UTILITY REIMB	16.00 *
636270	SOBHANI, ELAHEH	TENANT UTILITY REIMB	16.00 *
636271	LACEY CUSTOM LINENS, INC.	LAUNDRY SERVICES	170.66
		OTHER REC/CULT SUPP	1,194.09
			1,364.75 *
636272	NICOLAE, CORNELIU	SAFETY EQ/SUPPLIES	240.00 *
636273	ORANGE COUNTY EMERGENCY PET CLINIC	OTHER PROF SERV	900.00 *
636274	COUNTY OF ORANGE TREASURER-TAX COLLECTOR	NETWORKING SERVICES	1,115.00
		OTHER PROF SERV	6,523.00
		FORENSIC SERV	43,762.75
			51,400.75 *
636275	NAME YOUR GAME, INC.	UNIFORMS	520.80 *
636276	UNIVERSAL CONCRETE BREAKERS	MAINT-SERV CONTRACTS	520.00 *
636277	BILL'S SOUND & SECURITY	OTHER PROF SERV	412.00 *

PAGE TOTAL FOR "*" LINES = 65,643.96


WARRANTS SUBMITTED TO CITY COUNCIL FOR APPROVAL 03/13/18

WARRANT	VENDOR	DESCRIPTION	AMOUNT
636278	GARDEN GROVE HISTORICAL SOCIETY	ADMN/ENTRANCE FEE	45.00 *
636279	VIRAMONTES, JESSE	DUES/MEMBERSHIPS	270.00 *
636280	WEAVER, JIM	MAINT OF REAL PROP	850.00 *
636281	SORIANO, TERESA	TENANT UTILITY REIMB	31.00 *
636282	TRAN, MINH DUC NAM	TENANT UTILITY REIMB	55.00 *
636283	JAZMIN AVALOS	OTHER PROF SERV	275.00 *
636284	NEOPOST USA INC.	REPRO SUPPLIES	370.66 *
636285	DATA HARDWARE DEPOT, LP	NETWORKING SUPPLIES	991.20 *
636286	REO INTERNATIONAL CORPORATION	RENT SUBSIDY	1,276.00 *
W2112	LINCOLN FINANCIAL GROUP	LIFE INS PREMIUM	7,725.94 *
W2113	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	PENSION PAYMENT	501,496.63 *
W2114	CALIFORNIA STATE DISBURSEMENT UNIT	WAGE ATTACHMENT	4,211.82 *
W2115	LINCOLN FINANCIAL GROUP	LIFE INS PREMIUM	8,167.66 *
W2116	MARYLAND CHILD SUPPORT ACCOUNT	WAGE ATTACHMENT	343.38 *
W2117	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	HEALTH INSURANCE	733,484.74 *
W2118	VISION SERVICE PLAN	VISION INSURANCE	7,747.40 *
W2119	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	IMPORT WTR-MWDOC	299,567.55 *

PAGE TOTAL FOR "*" LINES = 1,566,908.98

FINAL TOTAL 2,405,849.71 *

DEMANDS #636066 - 636286 AND WIRES W2112 - W2119 AS PRESENTED IN THE WARRANT REGISTER SUBMITTED TO THE GARDEN GROVE CITY COUNCIL MARCH 13, 2018, HAVE BEEN AUDITED FOR ACCURACY AND FUNDS ARE AVAILABLE FOR PAYMENT THEREOF


KINGSLEY C. OKEREKE - FINANCE DIRECTOR

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To:	Scott C. Stiles	From:	William E. Murray
Dept.:	City Manager	Dept.:	Public Works
Subject:	Introduction and first reading Date: 3/13/2018 of an Ordinance enacting adjustments in water rates and charges and authorizing future automatic adjustments in water rates to account for adopted increases or decreases in wholesale charges the City pays to other agencies for water		

OBJECTIVE

For City Council to hold a Public Hearing and introduce for first reading and adoption the attached Ordinance authorizing adjustments in water rates and charges and authorizing future automatic adjustments in water rates to account for adopted increases or decreases in wholesale charges the City pays to other agencies for water.

BACKGROUND

In October 2016, the City Council approved the hiring of a consulting firm, FG Solutions, to develop a five-year water financial plan to study the Water Enterprise's financial condition and make recommendations for maintaining the financial stability to the Water Enterprise Fund. The study and analysis shows that expenditures are projected to significantly exceed revenues. This will result in the City spending reserves to pay for capital replacement and improvement projects. Without the proposed adjustments in water rates and charges, available reserves will be depleted in one to two years.

The current financial condition has caused the Water Enterprise to postpone and delay needed capital replacements and improvement projects. Revenue increases are also necessary to ensure that the Water Enterprise meets its bond covenants. The study concludes that to properly maintain the system's aging infrastructure, and enable the Water Enterprise Fund to reach financial stability, rate adjustments are necessary.

DISCUSSION

The Water Rate Study has identified the overall revenue needs for minimal financing of the operations, capital improvements and debt obligations for the Water Enterprise through:

1. Evaluating existing policies and procedures affecting water rates.
2. Evaluating adequacy of projected revenues under existing rates to meet projected revenue requirements.
3. Developing a sound financial plan for covering a five-year study for ongoing operations, planned capital improvements and complying with federal and state mandates. Developing a suitable schedule of water rates that produce revenues adequate to meet financial needs and business principles adopted by the City Council.

The study concludes that additional funds are needed to meet the financial, regulatory, operational, public health and safety, and moral obligations entrusted to the City by the community. Upon the last year of the five-year implementation period, the proposed rate adjustment will amend the service charge for 5/8 x 3/4 meters (typical residential meter size) from \$12.74 to \$33.85 per month, the capital improvements charge from \$1.47 to \$7.00, and a usage charge of \$3.07 to \$2.86 per unit of water use per month up to a maximum use of 33 units. This would result in the water portion of the bill increasing from \$106.31 to \$126.65 for the average residential customer (30 units) per bi-monthly bill over the course of five years. Private fire service rates will also be adjusted for all meter sizes from 1.5" to 10". These proposed rates will replace the existing private fire service rates and are shown on the attached draft ordinance.

The City is proposing the adoption of automatic annual adjustments to the first three water rate components (1. Minimum charge based on meter, 2. Capital improvement charge, and 3. Commodity charge) and the fire service rate over a five-year period. The City is also proposing to re-adopt the automatic adjustments to the commodity delivery charge for water usage that pass through future increases or decreases in wholesale water charges for a five-year period. Furthermore, residential customers with 5/8" x 3/4" meters who use six units or less of water in a billing period currently pay only the minimum charge. Under the proposed adjustments, low water users will pay the minimum charge and capital improvement charge.

These water rate components would be adjusted after the next regularly scheduled meter reading, following the date on which the City's Ordinance establishing the rates becomes effective. Subsequent rate increases will become effective on January 1 of each year, commencing January 1, 2019, without further action by the City Council. However, a 30-day notice will be provided to each customer prior to each increase. The proposed rates are contained in the attached Ordinance.

The total fee charged is calculated based upon the funds required by the City to maintain and operate the City's water system, repay bond indebtedness, and to comply with new and existing regulations imposed by state and federal agencies.

The basic procedure for increasing water rates is as follows:

- a) A Public Hearing is held on the matter. Notice of Public Hearing on the water rate increase was given 45 days in advance of the Public Hearing to the record owners of each identified piece of real property within the Water Enterprise pursuant to Proposition 218;
- b) Property owners within the Water Enterprise boundaries have the right to file a written protest against the increase; and
- c) If more than a simple majority of the total number of property owners file protests against the water rate increase, then the increase may not be instituted (the total number of parcels is 34,317).

FINANCIAL IMPACT

The proposed authorization for future water rate adjustments will allow the Water Enterprise to continue to meet its financial obligations and to carry out its capital improvement and replacement programs.

RECOMMENDATION

It is recommended that the City Council:

- Conduct a Public Hearing to hear testimony and to receive written protests from property owners regarding the proposed authorization for future adjustments to water rates and charges.
- In the absence of a majority protest, introduce and pass to second reading the attached Ordinance implementing future adjustments and making corresponding organizational and clarifying changes to Garden Grove Municipal Code Section 14.12.010 and 14.12.030.

By: Katie Victoria
Sr. Administrative Analyst

ATTACHMENTS:

Description	Upload Date	Type	File Name
Water Rate Ordinance	3/6/2018	Ordinance	3-13-2018_Water_Rate_Adjustment_Ordinance_(1).pdf
Water Rate Study	3/9/2018	Backup Material	DOC-20180309-11_15_04.pdf

ORDINANCE NO. _____

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF GARDEN GROVE
AMENDING SECTIONS 14.12.010 AND 14.12.030 OF CHAPTER 14.12 OF TITLE 14
("WATER") OF THE MUNICIPAL CODE RELATING TO WATER RATES AND CHARGES

City Attorney's Summary

This Ordinance amends Sections 14.12.010 and 14.12.030 of the Garden Grove Municipal Code to authorize, for a period of five (5) years, future automatic adjustments in the minimum charge, capital improvement recovery charge, commodity delivery charge, and private fire service charge of water rates and future automatic adjustments to reflect adopted increases or decreases in wholesale charges for water established by other public agencies from which the City purchases water.

THE CITY COUNCIL FINDS AND DECLARES AS FOLLOWS:

WHEREAS, FG Solutions prepared a Water Rate Study on behalf of the City, which evaluated the Water Enterprise's financing and capital facilities needs, determined the estimated funds needed to adequately finance the operations, capital improvements and debt obligations for the Water Enterprise, reasonably allocated the Water Enterprise's projected revenue requirements to the various customer classes in accordance with their respective service requirements, and recommended a suitable schedule of water rates that produce revenues adequate to meet the Water Enterprise's financial needs in accordance with estimated reasonable customer costs of service; and

WHEREAS, Government Code Section 53756 authorizes any agency providing water service to adopt a schedule of fees or charges for a period not to exceed five (5) years authorizing automatic adjustments that pass through increases or decreases in wholesale charges for water established by another public agency from which it purchases water; and

WHEREAS, the City Council has determined, based on the findings and recommendations of City Staff and FG Solutions and the legislative findings herein, that, in order to adequately finance the operations, capital improvements and debt obligations for the Water Enterprise, (i) automatic annual adjustments to the minimum charge, the capital improvement recovery charge, commodity delivery charge, and private fire service charge, set forth in Subsections (A), (B), and (C) of Section 14.12.010 and in Section 14.12.030 over a five (5) year period as recommended by FG Solutions should be authorized, and (ii) Subsection (F) of Section 14.12.010 should be re-adopted for automatic adjustments to the commodity delivery charge for water usage that pass through future increases in wholesale water charges for a five (5) year period; and

WHEREAS, the City Council has determined the following with regard to the rates and charges for water usage established by this Ordinance: (i) the fees and charges are not imposed as a condition of approval of a development project, as defined in California Government Code section 66001; (ii) the fees and charges are established upon a rational basis between the fees charged each customer and the service and facilities provided to each customer of the City's Water Enterprise; (iii) the revenues derived from the fees and charges do not exceed the estimated reasonable cost to provide the capital facilities and water services for which they are levied; (iv) the revenues derived from the fees and charges shall not be used for any other purpose than that for which the fees and charges are imposed; (v) the fees and charges do not exceed the proportional cost of the water service attributable to each consumer; (vi) the fees and charges are imposed on water services which are immediately available to the consumer; (vii) the fees and charges are not levied for general governmental services; and (viii) the rates and charges are not discriminatory or excessive, are sufficient under Government Code section 54515, comply the provisions or covenants of any outstanding revenue bonds of the City payable from the revenues of the Water Enterprise, comply with the provisions of the Revenue Bond Law of 1941 (Government Code 54300-54700), and are in compliance with all other applicable law; and

WHEREAS, the City Council has determined that the authorization of automatic adjustments to the rates and charges for water usage provided for herein is appropriate and represents increases in the rates and charges needed to adequately finance the operations, capital improvements and debt obligations for the Water Enterprise for those years; and

WHEREAS, in accordance with Proposition 218 and Government Code Section 53755, Notice of a Public Hearing to consider the proposed adjustments in water rates and charges and containing such information required to be included pursuant to California law (the Proposition 218 Notice) was mailed to all record owners of affected property to the addresses as they appear on the latest equalized assessment roll and to all City customers located on the affected parcels at the addresses to which the City customarily mails the billing statements; and

WHEREAS, on March 13, 2018, the City Council conducted the Public Hearing provided for in the Proposition 218 Notice, at which time the City Council heard all objections and protests to the proposed adjustments in water rates and charges; and

WHEREAS, written protests against the proposed adjustments in water rates and charges were not presented by a majority of the property owners, as the total number of properties on which the rates are imposed as shown on the last equalized assessment roll of Orange County totaled _____ and the City received a total of _____ protests; and

WHEREAS, pursuant to California Government Code section 66016 notice of the time and place of this hearing, including a general explanation of the matter to be considered and a statement that the data required by Government Code section

66016 is available for public review at the City, was mailed to interested parties requesting notice at least fourteen (14) days prior to the hearing; and

WHEREAS, pursuant to California Government Code section 66016 the City made available to the public the Water Rate Study and other data documenting the estimated costs required to provide services for which the proposed modified rates and charges will be levied and the revenue sources anticipated to provide the services; and

WHEREAS, on March 13, 2018, in accordance with applicable legal requirements, the City Council conducted a duly noticed Public Hearing to consider the proposed adjustments in water rates and charges set forth herein, at which Public Hearing all those who wished to speak for or against the proposed adjustments in water rates and charges were heard; and

WHEREAS, the adoption of this Ordinance and the establishment of such rates and charges is statutorily exempt under the California Environmental Quality Act ("CEQA") pursuant to the provisions of Public Resource Code section 21080(b)(8) and Section 15378 and Section 15273 of the CEQA Guidelines because, (i) the increased rates and charges are for the purpose of meeting operational and maintenance expenses of the Water Enterprise, and (ii) the rates and charges constitute the creation of funding mechanism/other governmental fiscal activity which does not involve any commitment to any specific project which may result in a potentially significant physical impact on the environment.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF GARDEN GROVE DOES HEREBY ORDAIN:

Section 1. Section 14.12.010 of Chapter 14.12 of Title 14 ("Water") of the Garden Grove Municipal Code is hereby amended in its entirety to read as follows:

14.12.010 – RATES AND CHARGES

The City of Garden Grove Water Division incurs ongoing operational costs, such as labor, commodities and contractual services in providing water service to the community. A water rate schedule is established to consist of a minimum charge and commodity delivery charge to pay for the system operational and capital replacement costs. A capital improvements charge is established to pay for future capital improvements needed to meet future demands on the system. Accordingly, the following rate structure is established for water usage:

- A. MINIMUM CHARGE. The minimum charge for metered service shall be:

PROPOSED BIMONTHLY MINIMUM CHARGES					
METER SIZE (IN INCHES)	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
5/8 x 3/4	\$18.02	\$28.15	\$29.63	\$31.95	\$33.85
1	\$38.11	\$46.03	\$47.18	\$49.00	\$50.48
1 ½	\$68.92	\$74.86	\$75.72	\$77.09	\$78.20
2	\$102.71	\$108.30	\$109.12	\$110.40	\$111.45
3	\$174.25	\$190.83	\$193.24	\$197.04	\$200.15
4	\$246.97	\$280.86	\$285.80	\$293.57	\$299.92
6	\$537.61	\$562.87	\$566.55	\$572.34	\$577.08
8	\$842.12	\$885.35	\$891.66	\$901.56	\$909.67
10	\$1,174.34	\$1,288.76	\$1,305.45	\$1,331.67	\$1,353.12

- B. COMMODITY DELIVERY CHARGE. Subject to adjustment pursuant to Subsections (E), the unit charge for metered services shall be:

PROPOSED BIMONTHLY COMMODITY DELIVERY CHARGES (\$ per hcf)					
	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
Tier 1	\$2.94	\$2.94	\$2.92	\$2.89	\$2.86
Tier 2	\$3.65	\$4.06	\$4.15	\$4.28	\$4.40

PROPOSED UNITS OF WATER (1 UNIT = 100 CUBIC FT) ("hcf") INCLUDED IN TIER 1 PER BILLING PERIOD	
METER SIZE	MAXIMUM hcf, TIER 1
5/8 x 3/4	33
1	83
1 ½	165
2	264
3	528
4	825
6	1,650
8	2,640
10	3,960

- C. CAPITAL IMPROVEMENTS CHARGE. The capital improvements recovery charge for services shall be:

PROPOSED BIMONTHLY CAPITAL IMPROVEMENTS CHARGE
--

METER SIZE (IN INCHES)	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
5/8 x 3/4	\$3.00	\$4.00	\$5.00	\$6.00	\$7.00
1	\$7.50	\$10.00	\$12.50	\$15.00	\$17.50
1 1/2	\$15.00	\$20.00	\$25.00	\$30.00	\$35.00
2	\$24.00	\$32.00	\$40.00	\$48.00	\$56.00
3	\$48.00	\$64.00	\$80.00	\$96.00	\$112.00
4	\$75.00	\$100.00	\$125.00	\$150.00	\$175.00
6	\$150.00	\$200.00	\$250.00	\$300.00	\$350.00
8	\$240.00	\$320.00	\$400.00	\$480.00	\$560.00
10	\$360.00	\$480.00	\$600.00	\$720.00	\$840.00

D. SPECIAL RATE FOR SMALL USAGE. All residential customers with 5/8" x 3/4" meters who use six (6) units or less of water in a billing period shall pay only the minimum charge and capital improvements charge provided for in Subsection (A) and (C), provided the water usage remains at six (6) units or under. If usage exceeds six (6) units, then the water customer shall pay the minimum charge and capital improvements charge, plus the commodity delivery charge provided for in Subsections (B).

E. AUTOMATIC PASS THROUGH ADJUSTMENTS FOR PURCHASED WATER COSTS.

1. The commodity delivery charge shall be automatically adjusted to reflect adopted increases or decreases in wholesale charges for water established by other public agencies from which the City of Garden Grove purchases water to the extent such increases or decreases are not reflected in the schedule of charges then in effect. Any such automatic adjustment shall be implemented through adjustment of the commodity adjustment charge. The amount of any such automatic adjustment shall be calculated by the Finance Director, or his designee, and shall be presented to the City Council for review. Data documenting the amount of the increase or decrease in wholesale water costs and the basis for all adjustment calculations shall be made available to the public upon request.
2. The Finance Director shall cause notice of any automatic adjustment made pursuant to this subsection (E) to be given pursuant to subdivision (a) of Government Code Section 53755, as it may be amended from time to time, and/or other applicable law, not less than thirty (30) days before the effective date of the adjustment.
3. Unless readopted pursuant Government Code Section 53756, as it may be amended from time to time, and/or other applicable law, the authority to make automatic adjustments pursuant to this subsection (E) shall expire five (5) years from the effective date of the ordinance adopting or readopting this subsection (E).

F. DETERMINATION OF WATER SUPPLY. The percent of water to be pumped and the percentage to be purchased shall be established by the Public Works Director prior to May 1st of each year, based on the basin production percentage assigned to the City of Garden Grove by the Orange County Water District.

Section 2. Section 14.12.030 of Chapter 14.12 of Title 14 ("Water") of the Garden Grove Municipal Code is hereby amended in its entirety to read as follows:

14.12.030 – PRIVATE FIRE SERVICE

The bimonthly charge for private fire service protection shall be as follows:

PROPOSED BIMONTHLY RATE					
METER SIZE (IN INCHES)	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
1 1/2"	\$2.43	\$2.70	\$2.79	\$2.89	\$2.99
2"	\$5.17	\$5.75	\$5.95	\$6.16	\$6.38
3"	\$15.02	\$16.72	\$17.31	\$17.92	\$18.55
4"	\$32.01	\$35.63	\$36.88	\$38.17	\$39.51
6"	\$93.00	\$103.51	\$107.13	\$110.88	\$114.76
8"	\$198.18	\$220.57	\$228.29	\$236.28	\$244.55
10"	\$356.40	\$396.67	\$410.55	\$424.92	\$439.79

Section 3. Severability. If any section, subsection, subdivision, sentence, clause, phrase, word or portion of this ordinance is, for any reason, held to be invalid by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this ordinance. The City Council hereby declares that it would have adopted this ordinance and each section, subsection, subdivision, sentence, clause, phrase, word or portion thereof, irrespective of the fact that any one or more sections, subsections, subdivisions, sentences, clauses, phrases, words or portions thereof be declared invalid.

Section 4. The Mayor shall sign and the City Clerk shall certify to the passage and adoption of this Ordinance and shall cause the same, or the summary thereof, to be published and posted pursuant to the provisions of law and this Ordinance shall take effect thirty (30) days after adoption.



Final Report

Water Rate Study

**City of Garden Grove
Public Works
Water Services Division**



March 2018

Prepared by:

 **fgSolutions**
PO BOX 472
NEW YORK, NY 10272-0472
www.fg-solutions.com

FINAL

Water Rate Study

Prepared for
City of Garden Grove
Public Works Department
Water Services Division
13802 Newhope St., Garden Grove, CA 92843
March 6, 2018

This report has been prepared for the use of the client for the specific purposes identified in the report. The conclusions, observations and recommendations contained herein attributed to FG Solutions, LLC constitute the opinions of FG Solutions, LLC. To the extent that statements, information and opinions provided by the client or others have been used in the preparation of this report, FG Solutions, LLC has relied upon the same to be accurate, and for which no assurances are intended and no representations or warranties are made. FG Solutions, LLC makes no certification and gives no assurances except as explicitly set forth in this report.

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List of Abbreviations

AF	Acre-Foot or Acre-Feet	T&D	Transmission and distribution
AFY	Acre-Feet per Year		
AWWA	American Water Works Association		
AWWA M1 Manual	AWWA Ratemaking Manual		
CIMIS	California Irrigation Management Information System		
COS	Cost-of-Service		
DSCR	Debt Service Coverage Ratio		
ET	Evapotranspiration		
ETAF	Evapotranspiration Adjustment Factor		
GPM	Gallons per Minute		
cf	cubic feet		
hcf	hundred cubic feet		
CFP	Capital Facilities Plan		
CIP	Capital Improvement Program		
CPI	Consumer Price Index		
FG Solutions	FG Solutions, LLC		
FTE	full-time equivalent		
FY	fiscal year (July 1–June 30)		
hcf	hundred cubic feet		
kgal	thousand gallon(s)		
mgd	million gallons per day		
O&M	operations and maintenance		
HP	Horsepower		
MG	Million Gallons		
MGD	Million Gallons per Day		
MWD	Metropolitan Water District		
MWDOC	Municipal Water District of Orange County		
OCWD	Orange County Water District		
RA	Replenishment Assessment		
SAWPA	Santa Ana Watershed Project Authority		
SWRCB	State Water Resources Control Board		

Executive Summary

The Garden Grove Public Works Department Water Services Division (“Division”) owns and operates the water system that provides water services throughout the city. The Division operates 17 total water production facilities, 13 wells, 5 pump stations, 8 reservoirs that hold approximately 53 million gallons of water, and 433 miles of pipe. As part of its ongoing management of the water system, the Division has recognized the need to evaluate expenditures, revenues, and water rates to ensure that the Division can continue to provide safe and reliable service.

The Division is conducting a Water Rate Study that is intended to:

- Summarize the projected water revenue requirements for the five year study period for fiscal years (FY) 17/18 thru FY 21/22.
- Show a proposed schedule of water rates effective for FY 17/18 through FY 21/22 for the Division’s consideration. These proposed rates include minimum charges, commodity charges, capital improvement charges, and private fire service rates. All rates shown, unless otherwise indicated, are charged on a bi-monthly basis.
- Outline potentially changing conditions with financial implications, such as water conservation, the drought, and recommendations for ongoing monitoring of these items.
- Support the goal of Water Services Section: To provide sufficient and safe water at the lowest possible cost to the City’s residents.

The Rate Study was initiated in November 2016. The Rate Study was discussed during four Council Study Sessions held throughout 2017, and a Public Workshop was held in December 2017.

A key part of this Rate Study was developing a Capital Facilities Plan, which outlines the improvements to the water system. There are many high priority projects identified in the Division’s 2008 Water Master Plan that are not yet completed, and the Division has been deferring capital investments in recent years due to funding constraints.

A series of immediate priority capital needs was identified as part of this Rate Study, consisting primarily of reservoir improvements and repair/replacement projects. The reservoir improvements are a response to a recent condition assessment which identified mechanical, structural, and security deficiencies. These improvements are needed to keep the reservoirs in service and maintain reliable water service.

The proposed rate structure is shown in the tables below and is intended to meet the following goals:

1. Increase fixed charges (the Minimum Charge and the Capital Improvement Charge) to provide better revenue stability for the utility. Transition by FY 21/22 to collect 25% of revenues from fixed charges.
2. The higher fixed charges will cause financial impacts to rate payers, particularly low-income rate payers. To address this:
 - Retain the existing low water user discount, where residential customers using 6 hundred cubic feet (“hcf”) or less per billing period do not pay Commodity Charges.
 - Propose a new Low Income/Senior Discount of \$10 per billing period
3. Increase the Capital Improvement Charge to pay for more of the capital costs
4. Simplify the Commodity Charge structure by creating a new two-tiered Commodity Charge that replaces the current four-tier structure. The first tier is based on the cost of locally-produced groundwater, and the second tier is based on the cost of imported water.

Table ES-1: Proposed Bi-Monthly Minimum Charges

Line	Meter Equivalent		Proposed Bi-Monthly Minimum Charges					
	Meter Size	Ratio	Current	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
1	5/8 x 3/4"	1.0	\$12.74	\$18.02	\$28.15	\$29.63	\$31.95	\$33.85
2	1"	2.5	\$33.99	\$38.11	\$46.03	\$47.18	\$49.00	\$50.48
3	1 1/2"	5.0	\$65.82	\$68.92	\$74.86	\$75.72	\$77.09	\$78.20
4	2"	8.0	\$99.79	\$102.71	\$108.30	\$109.12	\$110.40	\$111.45
5	3"	16.0	\$165.62	\$174.25	\$190.83	\$193.24	\$197.04	\$200.15
6	4"	25.0	\$229.32	\$246.97	\$280.86	\$285.80	\$293.57	\$299.92
7	6"	50.0	\$524.45	\$537.61	\$562.87	\$566.55	\$572.34	\$577.08
8	8"	80.0	\$819.60	\$842.12	\$885.35	\$891.66	\$901.56	\$909.67
9	10"	120.0	\$1,114.73	\$1,174.33	\$1,288.76	\$1,305.45	\$1,331.67	\$1,353.13

Table ES-2: Proposed Bi-Monthly Capital Improvement Charge

Line No	Meter Size	Meter Equivalent Ratio	Current Charge	Proposed Bi-Monthly Capital Improvement Charge				
				FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
1	5/8 x 3/4"	1.0	\$1.47	\$3.00	\$4.00	\$5.00	\$6.00	\$7.00
2	1"	2.5	\$2.07	\$7.50	\$10.00	\$12.50	\$15.00	\$17.50
3	1 1/2"	5.0	\$2.64	\$15.00	\$20.00	\$25.00	\$30.00	\$35.00
4	2"	8.0	\$4.27	\$24.00	\$32.00	\$40.00	\$48.00	\$56.00
5	3"	16.0	\$16.19	\$48.00	\$64.00	\$80.00	\$96.00	\$112.00
6	4"	25.0	\$20.60	\$75.00	\$100.00	\$125.00	\$150.00	\$175.00
7	6"	50.0	\$30.90	\$150.00	\$200.00	\$250.00	\$300.00	\$350.00
8	8"	80.0	\$42.68	\$240.00	\$320.00	\$400.00	\$480.00	\$560.00
9	10"	120.0	\$54.45	\$360.00	\$480.00	\$600.00	\$720.00	\$840.00
10	Note: Proposed Minimum Charges rounded off to the nearest \$0.01.							

Table ES-3: Proposed Commodity Charges and Estimated Pass-Through Charge

Line No		Two-Tier Commodity Delivery Charge, \$/ccf				
		FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
1	Tier 1 Commodity Charge, Excluding Pass Through	\$2.94	\$2.94	\$2.92	\$2.89	\$2.86
2	Tier 1 Estimated Pass Through		\$0.07	\$0.15	\$0.20	\$0.29
3	Tier 2 Commodity Charge, Excluding Pass Through	\$3.65	\$4.06	\$4.15	\$4.28	\$4.40
4	Tier 2 Estimated Pass Through		\$0.08	\$0.17	\$0.25	\$0.28
5						
6	Note: Commodity Charges are rounded to the nearest \$0.01.					

The Division must pay others for water supply costs, which are approximately half of the costs for providing water service. 25% of the City's water is imported from the Metropolitan Water District of Southern California, and 75% of the City's water supply is locally produced groundwater. Using locally produced groundwater comes with an obligation to pay the Orange County Water District a Replenishment Assessment. The City has no control over water supply costs, and currently passes through increases in water supply costs. The City will retain this ability in the future, and the estimated pass-through costs are shown in Table ES-3 above.

During the five-year Rate Study Planning Period, the City will continue to monitor the financial condition of its water system, paying particular attention to:

- Water demands
- Water supply costs
- Capital project costs
- Inflation rates

- Interest rates

Differences in these parameters from the projections made in this Rate Study will have financial impacts. The Division will monitor these items on an ongoing basis and make necessary adjustments to its operations and/or financial plans in future years.

Section 1

Background and Report Organization

1.1 Introduction

The Garden Grove Public Works Department Water Services Division (“Division”) provides water services to approximately 36,762¹ connections throughout the City of Garden Grove. The Division is governed by the 7 member Garden Grove City Council. The Division is part of the Public Works Department and is responsible for providing safe and reliable water to the City of Garden Grove. In addition, it is responsible for maintaining wells, reservoirs, and imported water connections. It also provides ongoing maintenance and repair to the water delivery system.

The Division operates 17 total water production facilities, 13 wells, 5 pump stations, 8 reservoirs that hold approximately 53 million gallons of water, and 433 miles of pipe. Within this water system, the Division has an ongoing operation and maintenance program to ensure the continued provision of water conveyance and delivery services.

As part of its ongoing management of the water system, the Division has recognized the need to evaluate expenditures, revenues, and water rates to ensure that the Division can continue to provide safe and reliable service.

This Water Rate Study is funded in part by a grant from the Santa Ana Watershed Project Authority (SAWPA). As a component of the grant, budget-based rates, also known as conservation rates, were evaluated as a potential rate structure for the Division. More detail about budget-based rates and the analysis can be found in Appendix F.

The Division is conducting a Water Rate Study that is intended to:

- Summarize the projected water revenue requirements for the five-year study period for fiscal years (FY) 17/18 thru FY 21/22¹.
- Show a proposed schedule of water rates effective for FY 17/18 through FY 21/22 for the Division’s consideration. These proposed rates include minimum charges, commodity charges, capital improvement charges, and private fire service rates. All rates shown, unless otherwise indicated, are charged on a bi-monthly basis.
- Outline potentially changing conditions with financial implications, such as water conservation, the drought, and recommendations for ongoing monitoring of these items.
- Support the goal of Water Services Section: To provide sufficient and safe water at the lowest possible cost to the City’s residents.

Historical and budgeted financial and operational data were provided by the Division and used by FG Solutions to develop the projected revenue requirement for the five-year study period. The revenue requirement analysis was an iterative process and draft versions were revised based on comments and input provided by Division staff and the Finance department. Next, the revenue requirement was compared with the revenues generated by the existing rates to generate additional revenues needed from rate increases.

¹Including approximately 31,556 single-family residential connections, 1,923 residential units in multi-family residential connections, and 3,283 non-residential connections

² The Division’s fiscal year begins on July 1. FY 17/18 refers to the period between July 1, 2017 and June 30, 2018.

Key assumptions used in the Revenue Requirement analysis are summarized in Section 2. Additional assumptions are provided in the printout of the Revenue Requirement calculations that comprise Appendix A.

There are six appendices to this report. Appendix A contains the Revenue Requirement. Appendix B is the water system Cost-of-Service Analysis. Appendix C contains calculations associated with the Rate Design. Appendix D contains the proposed Capital Facilities Plan (CFP), which summarizes the capital improvements the Division has designated as immediate priorities. Appendix E contains the Fire Service rate calculations. Appendix F contains the analysis of Budget-based rates and detailed calculations of this analysis.

1.2 Existing Rates and Rate Structure

The current water rate structure has the following components, all charged on a bi-monthly basis; a) a minimum charge; b) a Capital Improvement Charge; and c) a Commodity Charge, per hundred cubic feet (hcf) consumed during the billing period, in a four-tier rate structure. Table 1-1 shows the bi-Monthly Minimum Charges and the Capital Improvement charges for each water meter size. All rates are current, as of February 1, 2018.

Table 1-1. Existing Bi-Monthly Minimum Charge and Capital Improvement Charge

Line No.	Meter Size (inches)	Minimum Charge	Capital Improvement Charge
1	5/8 x 3/4"	\$12.74	\$1.47
2	1"	\$33.99	\$2.07
3	1-1/2"	\$65.82	\$2.64
4	2"	\$99.79	\$4.27
5	3"	\$165.62	\$16.19
6	4"	\$229.32	\$20.60
7	6"	\$524.45	\$30.90
8	8"	\$819.60	\$42.68
9	10"	\$1,114.73	\$54.45

The Division currently has four rate tiers. Table 1-2 shows the existing Commodity Charges, per tier.

Table 1-2. Existing Commodity Charges

Line No.	Usage, units of water (hcf)	Commodity Charge, \$/hcf		
		Commodity Pass-Through	Balance	Total
1	0-36	\$0.82	\$2.25	\$3.07
2	37-250	\$0.82	\$2.33	\$3.15
3	251-500	\$0.82	\$2.42	\$3.24
4	>500	\$0.82	\$2.51	\$3.33

The Division charges Private Fire Service customers a Bi-Monthly Fire Service charge, based on the connection meter size, plus the Capital Improvement Fee. Private Fire Services are customers with Fire Service connections that have a separate meter that is connected only to the customer's fire sprinkler system. Table 1-3 shows these fees in detail.

Table 1-3. Existing Private Fire Service Rates

Connection Size (in)	Current Rates Fire Service	Current Capital	
		Improvement Charge	Current Rates Total
5/8 x 3/4"	\$11.00	\$1.47	\$12.47
1"	\$11.00	\$2.07	\$13.07
1 1/2"	\$11.00	\$2.64	\$13.64
2"	\$11.00	\$4.27	\$15.27
3"	\$14.00	\$16.19	\$30.19
4"	\$19.00	\$20.60	\$39.60
6"	\$29.00	\$30.90	\$59.90
8"	\$38.00	\$42.68	\$80.68
10"	\$48.00	\$54.45	\$102.45

1.3 Water Rate Study Process

The rate study kicked off in November 2016. In order to communicate with City Council and the public, the Division and the consultant team attended four Study Sessions, plus one public workshop. The first Council Study Session was held in January 2017, where an introduction to the water system was discussed, as was an overview of the 2017 financial status of the utility was presented.

A Study Session was held in April 2017 that focused on the Capital Facilities Plan and the preliminary revenue requirement analysis.

A Study Session was held in August 2017 that discussed Rate Structure Alternatives.

A Study Session was held in September 2017, where preliminary rate structures were presented to Council.

A Public Workshop was held in December 2017. The intent of this workshop was to have an open and transparent discussion with the public about the upcoming rate increase, and to assist customers in developing an understanding of what their water bill will be.

Figure 1-1 shows the overall approach and methodology used to complete the scope of services for this water rate study.

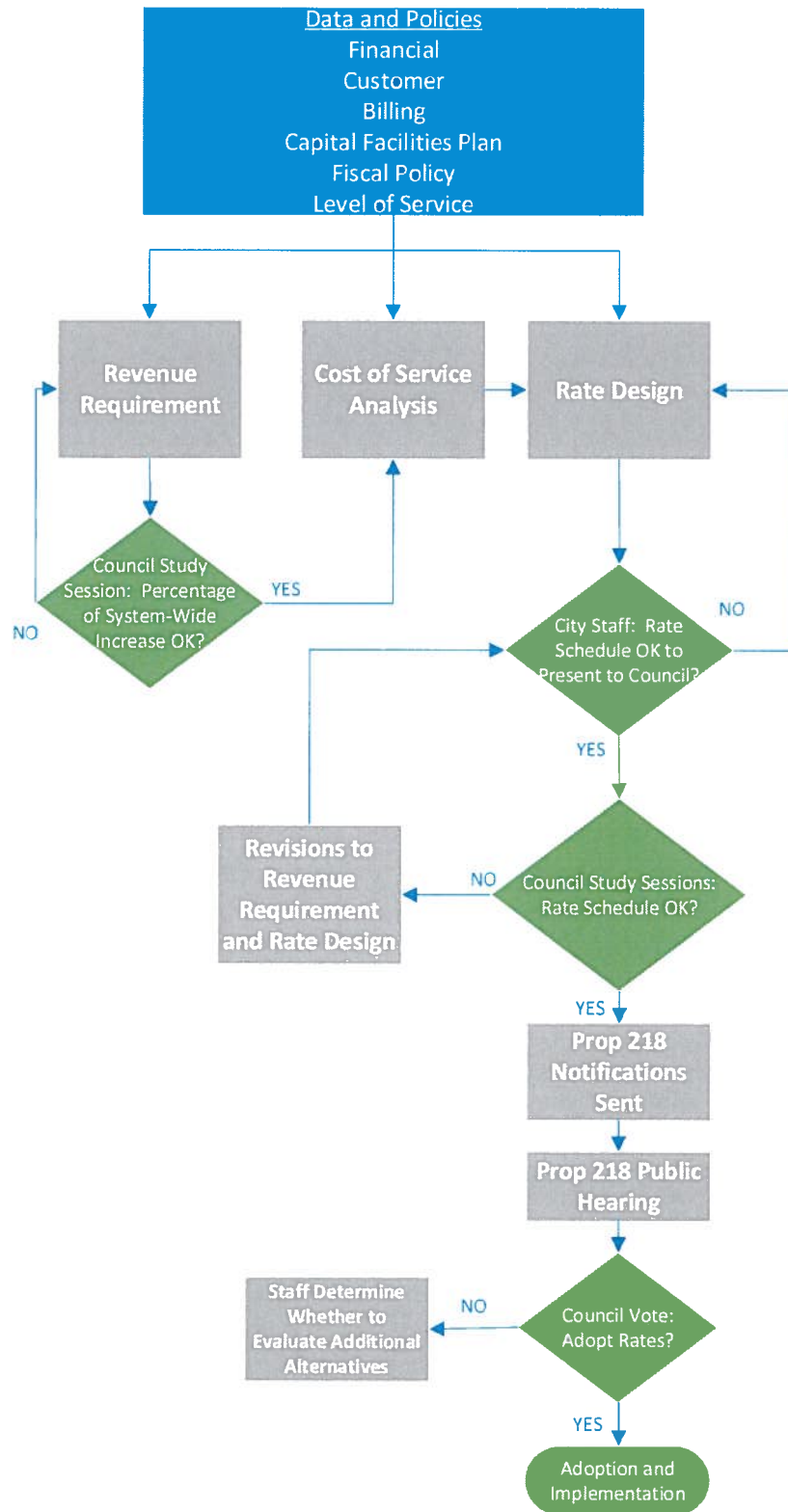


Figure 1-1 Overview of Methodology (To be revised)

Section 2

Revenue Requirement Analysis

2.1 Introduction

To provide for the continued operation of a utility on a sound financial basis, revenues must be sufficient to meet the cash requirements for operation and maintenance (O&M) expense, debt service requirements, debt service coverage requirements, reserves, and cash-funded capital expenditures not financed with debt. The sum of these cost components for a given year is referred to as a utility's Revenue Requirement.

Historical and budgeted financial and operational data were provided by the Division and used by FG Solutions to develop the projected revenue requirement for the five-year study period. The revenue requirement analysis was an iterative process and draft versions were revised based on comments and input provided by Division staff. Next, the revenue requirement was compared with the revenues generated by the existing rates to generate additional revenues needed from rate increases. The reserve requirement, described below, are met in the later years of the five-year projection period as the proposed rates were developed to generate these reserve levels over time. Revenue projections are a critical part of the revenue requirement analysis. The three aspects of revenue projections described in the sections below are non-rate revenues, rate revenues under the current rate schedule, and rate revenues from proposed rate increases.

Key assumptions used in the Revenue Requirement analysis are listed below. Additional assumptions are provided in the printout of the Revenue Requirement calculations that comprise Appendix A.

2.2 Revenues

2.2.1 Key Assumptions

Revenue projections are a critical part of the revenue requirement analysis. The three aspects of revenue projections described in the sections below are non-rate revenues, rate revenues under the current rate schedule, and rate revenues from proposed rate increases.

FY 17/18 revenues are based on FY 15/16 actual revenues, adjusted for changes in water use, between FY 15/16 and the projected FY 17/18 value.

Another key assumption is that no customer growth is projected through FY 21/22. For the purposes of these rate calculations, customer growth in the water service area is projected to be negligible.

2.2.2 Non-Rate Revenues

The key sources of water revenues other than rate revenues are predominantly late fees, with some non-rate revenues from interest income.

2.2.3 Rate Revenues under Current Rates

Rates that are currently effective are shown in Tables 1-1, 1-2, and 1-3. These rates were used to project the revenues shown in Table 2-1. Revenue estimates under current rates shown in Table 2-1 for FY 18/19 through FY 21/22 are projected to remain at FY 17/18 values. Late fee revenues are not included after 1/1/18 because it is anticipated that the late fee revenues will be used to fund the proposed low-income/senior discount, which will be discussed further in Section 3. This discount has not yet been approved by City Council.

Table 2-1: Historical and Projected Revenues Under Existing Rates

Line No	DESCRIPTION	Fund	Actual			Estimate			
			FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
1	OPERATING REVENUES								
2	WATER-METERED	601	\$21,805,999	\$22,208,411	\$29,801,011	\$29,801,011	\$29,801,011	\$29,801,011	\$29,801,011
3	WATER-FLAT RATE	601	147,878	79,000	79,000	79,000	79,000	79,000	79,000
4	WATER PROC FEE	601	0	0	0	0	0	0	0
5	LATE FEE (4)	601	347,843	300,000	150,000	0	0	0	0
6	AFTER HRS SERV CHG	601	1,014	500	500	500	500	500	500
7	WATER COSTS (5)	601	6,320,543	6,320,543	0	0	0	0	0
8	NSF FEE	601	6,600	4,000	4,000	4,000	4,000	4,000	4,000
9	CAPITAL RECOVERY	602	433,732	353,000	353,000	353,000	353,000	353,000	353,000
10	SERVICE INSTALL FEES	602	44,774	39,000	39,000	39,000	39,000	39,000	39,000
11	FRONTAGE ASSMT FEE	602	13,409	6,000	6,000	6,000	6,000	6,000	6,000
12	ACREAGE ASSMT FEE	602	10,564	4,000	4,000	4,000	4,000	4,000	4,000
13	WATER SALES		\$29,132,355	\$29,314,453	\$30,436,511	\$30,286,511	\$30,286,511	\$30,286,511	\$30,286,511

Estimated revenues from Water Metered and Water Flat Rate are expected to remain the same through the end of the planning period. Water Metered includes all water revenues from water rates. Line 7, Water Costs, include the pass-through charges. Pass-through charges are the portion of the Commodity Charge that is adjusted annually by the Division, based on actual changes in water supply costs. For the purposes of this rate study, water costs revenues for FY 17/18 and subsequent years are included in Line 2, Water-Metered. For more detail, refer to Table A4 in Appendix A.

2.2.4 Rate Revenues from Proposed Rate Increases

Rate revenues resulting from proposed rate increases are shown later in this report.

2.3 Expenses

2.3.1 Key Assumptions

FY 17/18 O&M expenses are primarily based on the Division's FY 17/18 budget. In subsequent years, expenses are escalated for inflation. For the purposes of this rate study, General inflation was assumed to be 2.5%, Salaries and Wages Escalation is assumed to be 4%, and the rate of escalation for any Capital Improvements is assumed to be 2.5%. All percentages are assumed to remain constant through the end of the planning period, FY 21/22.

O&M expenses for FY 16/17 were obtained from the Division, as was the FY 17/18 budget. These records, along with conversations with Division staff, were used to identify significant deviations in O&M expenses compared with the Division's FY 17/18 budget.

Water production expenses are the single largest component of the Division's expenditures. A key assumption is that 75% of future water supply is locally produced groundwater, with the remaining 25% future water supply coming from imported water.

Projected annual water production, a combination of both locally produced groundwater and imported water, is assumed to be 23,000 acre-feet (AF) per year, for the entire planning period. This number takes water conservation and the drought into consideration.

Table 2-2 shows projected O&M expenses for the Study period. Additional detail is included in Appendix A, Table A-5.

Table 2-2: Projected O&M Expenses

Line No	PKG-NAME	Estimated				
		FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
1	Total Salaries and Wages	\$5,776,453	\$6,007,511	\$6,247,812	\$6,497,724	\$6,757,633
2	Total Contractual Services	\$7,557,919	\$7,927,772	\$7,583,182	\$7,742,477	\$7,905,754
3	Total Materials and Supplies	\$709,906	\$727,654	\$745,845	\$764,491	\$783,603
4	Total Water Production Expenses	\$15,246,121	\$16,036,877	\$16,972,643	\$17,736,364	\$18,067,013
5	Total O&M Expenses	\$29,290,399	\$30,699,814	\$31,549,481	\$32,741,056	\$33,514,003

For the 25% of water production that is imported water, the primary cost is the imported water charge from Metropolitan Water District (MWD). For the 75% of water that is locally produced, the primary expenses are energy costs for pumping water, and the recharge assessment from the Orange County Water District (OCWD). More detail can be found in Appendix A.

2.3.2 Capital Facilities Plan

A key aspect of any rate study is defining the anticipated level of capital improvements over the planning period. Part of the scope of work of this rate study is the compilation and prioritization of a summary of known capital projects into a single Capital Facilities Plan (CFP). A review of the Division's 2008 Water Master Plan shows that some of the projects outlined were completed, however there are many high priority projects that remain.

The City of Garden Grove's water CFP projects were prioritized based on balancing several key factors and criteria, such as planning, engineering, operations, and affordability to the City. The Consultant Team reviewed the 2008 Water Master Plan and conducted numerous discussions with Division staff regarding water system priorities. The agreed approach was to distribute proposed CFP project costs as equally as possible into three categories ranked by priority, that correspond with three five-year planning periods. The first planning period is from 2017-2022, these are the Immediate Priority Projects that are outlined in Table 2-3. The second planning period is from 2022-2027, which covers the Second Priority Projects. The third planning period is from 2027-2032. Projects were prioritized from a reliability and sustainability perspective, by the Division and the Consultant Team.

Table 2-3: Priority Phase, Dates and Total Cost

Priority Phase/Date	Total Cost (\$)
Immediate Priority Projects (2017-2022)	\$36,643,066
Secondary Priority Projects (2022-2027)	41,378,105
Third Priority Projects (2027-2032)	98,507,944
TOTAL	\$176,529,115

Through discussions with Division staff, the highest priority was placed on water storage. Booster Pump Replacements/Upgrades and critical Existing System Fire Flow pipeline projects were given second highest priority. The remaining lesser critical distribution system improvements were given third highest priority.

The City of Garden Grove's water system has a total of eight reservoirs at five sites. Four reservoirs, which include Magnolia, West Garden Grove, West Haven East, and West Haven West, are underground. Four reservoirs, which include Trask East, Trask West, Lampson East, and Lampson West, are partially aboveground. Designs to address reservoir deficiencies have been completed for the underground West Haven Reservoirs rehabilitation project. Phase 1 of this project is ready to move forward but lacks the required funding for construction implementation. The rehabilitation of the remaining reservoirs, including those partially aboveground, has not been designed. Phase 2 is scheduled after the completion immediately following the Phase 1 West Haven Reservoir rehabilitations.

Reservoir Rehabilitations were determined to be a top priority, as a recent condition assessment identified improvements to eight reservoirs, addressing mechanical, structural, and security deficiencies. Reservoir rehabilitation is needed to maintain reliable water service with the current storage capacity volume.

Supervisory Control and Data Acquisition (SCADA) improvements at manually operated wells were also considered a high priority. In addition to potential to mechanical and electrical improvements, SCADA system limitations will also need to be addressed.

Although the first phase of SCADA improvements has been completed, the remaining SCADA improvements at manually operated wells are considered a high priority. Currently, O&M staff are required to visit the well sites to make necessary control adjustments at each well site in order to operate portions of the water system. The SCADA improvements will allow the O&M staff to operate the whole water system automatically and collect historical pumping data for future master planning efforts.

Table 2-4 are the items that were determined to be of immediate priority, and their costs, in 2016 dollars.

Table 2-4: Capital Facilities Plan Immediate Priority Cost Summary

Capital Improvement/Facilities Plan: Immediate Priority Cost Summary (2017-2022)		
Category	Project Name	Cost (2016 dollars)
Recurring Replacements	Service Lines, Fire Hydrants, Meters, Valves, and Appurtenances	\$17,537,415
Wells	Well Condition Assessment & Rehabilitation	\$933,257
Reservoirs	Reservoir Rehabilitations	\$16,272,538
Boosters	Portable Back-up Generators	\$1,047,510
Studies	Master Plan Update	\$450,000
Studies	Asset Management Study	\$227,347
Studies	Cyber Security	\$175,000
TOTAL		\$36,643,066

These are the projects that the Division plans to complete within the next five years, by 2022. Recurring replacements which are items like replacing pipes, fire hydrants, water meters, valves, and other appurtenances. This line item is estimated at approximately \$17.5M. The next largest item in Table 2-4 are the reservoir rehabilitations.

Projected project costs for all projects except for the reservoir rehabilitations are based on the costs provided in the 2008 Water Master Plan. The Consultant Team escalated the 2008 Water Master Plan to 2016 costs in two different ways. It used changes in the Turner Building Cost index between 2008 and 2016, and used changes in the Consumer Price Index (CPI) Utility and Public Transportation Category Index between 2008 and 2016. Of these two methods, the Turner Building Cost index produced the higher 2016 estimated costs, and this was used for the purposes of this analysis. The 2016 escalated cost was then further escalated to future (FY 17/18 thru FY 21/22) costs based on an assumed 3% annual inflation rate to generate the cost estimates used in the Rate Study.

Costs for the reservoir rehabilitation projects were based on the proposed costs presented in the City of Garden Grove Condition Assessment of Eight Concrete Reservoirs, prepared by Kleinfelder and Simon Wong in December 2013. The Capital Facilities Plan Assessment and Prioritization can be found in Appendix D, along with a complete list of all CFP projects and their costs, in 2016 dollars.

2.3.3 Existing and Future Debt

The Division currently has existing revenue bond debt. Table 2-5 describes the existing revenue bond principal and interest payments per fiscal year for the planning period. More detail is shown in Appendix A, Table A-9.

Table 2-5: Existing Revenue Bond Debt Service

Line No	Existing Revenue Bond Debt Service	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
1	Revenue Bond 2010A	\$910,163	\$918,638	\$914,263	\$906,913	\$909,413	\$905,038
2	Revenue Bond 2010B (Balloon 12/15/28 \$4.125M)	258,349	258,349	258,349	258,349	258,349	258,349
3	Revenue Bond 2010C (Balloon 12/15/30 \$3.195M)	204,129	204,129	204,129	204,129	204,129	204,129
4	Revenue and Refunding Bonds 2015	1,003,850	1,006,350	998,550	1,010,350	1,001,750	1,002,850
5	2010 Bonds Premium Amortization	4,853	4,853	4,853	4,853	4,853	4,853
6	2015 Bonds Premium Amortization	11,135	14,847	14,847	14,847	14,847	14,847
7	Total	\$2,392,478	\$2,407,164	\$2,394,989	\$2,399,439	\$2,393,339	\$2,390,064

The Division plans to issue new revenue bond debt in FY 18/19. The debt issuance is planned to ensure that the Division's Capital Facilities Plan can be implemented. At the same time, new debt reduces the amount of required revenue from rates, and from a rate increase. Below in Table 2-6, the amount of new revenue bond debt and the total principal and interest payments are shown for the planning period.

Table 2-6: Proposed Revenue Bond Debt Service

Line No	Proposed Debt Service	Issue Date	Issuance Amount	Interest Rate	Total Principal and Interest Payment				
					FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
1	Revenue Bond FY 17/18	17/18	\$0	5.0%	\$0	\$0	\$0	\$0	\$0
2	Revenue Bond FY 18/19	18/19	\$15,375,000	5.0%		1,120,634	1,120,634	1,120,634	1,120,634
3	Total				\$0	\$1,120,634	\$1,120,634	\$1,120,634	\$1,120,634

The Division also has an outstanding Intercity Loan with the City's General Fund. This debt has been in existence since the mid-1990s. The outstanding balance, as of FY 16/17 is \$13,374,978. The interest rate has been 6.5%. The Intercity Loan recognizes the cost of street damages related to the provision of water services until the mid-1990s. Since the mid-1990s, the Division has paid an annual street damage charge to the General Fund. This annual street damage charge is included in the O&M expenses shown in Table 2-2. Currently, the Division has been making annual interest payments, but has not been paying down principal.

Per conversations with City Council during the Council Study Sessions, the Division has taken two actions: 1) it will begin to repay principal over a 15 year period, and 2) the interest rate will be adjusted to a more current, competitive interest rate. For the purposes of this report, the interest rate will be revised to 4.10%. Table 2-6 shows the change in interest rate and the principal and interest payments for the planning period.

Table 2-7: Proposed Intercity Loan Debt Service

Line No	Intercity Loan Debt Service	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
1	Outstanding Principal Beginning year	\$13,374,978	\$13,374,978	\$12,711,965	\$12,021,769	\$11,303,274	\$10,555,322
2	Interest Rate (1)	6.50%	4.10%	4.10%	4.10%	4.10%	4.10%
3	Interest Payment	\$869,374	\$548,374	\$521,191	\$492,893	\$463,434	\$432,768
4	Principal Payment	0	663,013	690,196	718,494	747,953	778,619
5	Outstanding Principal, End of Year	\$13,374,978	\$12,711,965	\$12,021,769	\$11,303,274	\$10,555,322	\$9,776,703

2.4 Operating Statement

Water utility revenues and expenses are tracked in three funds: 1) Fund 601 (Water Operations); 2) Fund 602 (Water Capital); and 3) Fund 603 (Water Replacement). This section shows the revenues and expenses in each fund.

2.4.1 Fund 601 (Water Operations)

Table 2-8 and Table 2-9 are the Operating Statement for the Water Fund 601. Table 2-8 shows the sources of funds in Water Fund 601, which includes rate revenues and other income, including non-rate revenues. The total sources of funds is the sum of the beginning year fund balance, plus rate revenues and other income. Lines 7 thru 11 show the projected percentage rate increases in overall water rate revenues in each fiscal year. Water rate revenue increases were determined to pay the Division's expenses through FY 21/22, and meet the minimum reserve and debt service coverage ratio targets.

Proposed rate increases would be effective on January 1 of each year. Although the FY 17/18 rate increase, if adopted, would become effective in May 2018, the projections shown in Table 2-8 were made in the fall of 2017 and are based on a January 1, 2018 rate increase instead of the proposed May 1, 2018 rate increase. This Operating Statement shows the two month lag between the effective date of the rate increase, and when the Division receives revenues from the rate increase.

Table 2-8: Sources of Funds, Fund 601

Line No	SOURCES OF FUNDS FUND 601 (WATER OPERATIONS)	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
1	Beginning of Year Balance, Fund 601	\$8,610,247	\$8,427,620	\$7,312,240	\$7,308,926	\$8,443,710
2	Rate Revenues					
3	Water Sales Revenues under Existing Rates	\$29,880,011	\$29,880,011	\$29,880,011	\$29,880,011	\$29,880,011
4	Additional Revenues From Rate Increases					
5						
6	Fiscal Year	Percent Increase	Months of Revenue			
7	FY 17/18	12.40%	4	1,235,040	3,705,121	3,705,121
8	FY 18/19	11.30%	4	1,265,040	3,795,120	3,795,120
9	FY 19/20	3.50%	4	436,103	1,308,309	1,308,309
10	FY 20/21	3.50%	4		451,367	1,354,100
11	FY 21/22	3.50%	4			467,164
12	Total Additional Revenues	\$1,235,040	\$4,970,161	\$7,936,344	\$9,259,917	\$10,629,814
13	Total Rate Revenues	\$31,115,051	\$34,850,172	\$37,816,355	\$39,139,928	\$40,509,825
14	Other Income					
15	Other Water Sales Revenue	\$154,500	\$4,500	\$4,500	\$4,500	\$4,500
16	Other Revenues	25,000	25,000	25,000	25,000	25,000
17	Non-Operating Revenues	220,385	220,385	220,385	220,385	220,385
18	Total Other Income	\$399,885	\$249,885	\$249,885	\$249,885	\$249,885
19	Total Revenues	\$31,514,936	\$35,100,057	\$38,066,240	\$39,389,813	\$40,759,710
20	Total Sources of Funds	\$40,125,183	\$43,527,677	\$45,378,480	\$46,698,739	\$49,203,420

Table 2-9 shows Water Fund 601 Uses of Funds. This table shows the payment of O&M Expenditures from Fund 601, along with Debt Service and transfers to Fund 603, which will be discussed later in the report.

Table 2-9: Uses of Funds, Fund 601

Line No	USES OF FUNDS FUND 601 (WATER OPERATIONS)	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
1	O&M Expenditures					
2	Salaries & Wages	\$5,776,453	\$6,007,511	\$6,247,812	\$6,497,724	\$6,757,633
3	Contractual Services	7,557,919	7,927,772	7,583,182	7,742,477	7,905,754
4	Materials & Supplies	709,906	727,654	745,845	764,491	783,603
5	Water Production Expenses	15,246,121	16,036,877	16,972,643	17,736,364	18,067,013
6	Subtotal O&M Expenditures	\$29,290,399	\$30,699,814	\$31,549,481	\$32,741,056	\$33,514,003
7						
8	Subtotal Debt Service	\$2,407,164	\$3,515,623	\$3,520,073	\$3,513,973	\$3,510,698
9						
10	Transfer to Fund 602	\$0	\$0	\$0	\$0	\$0
11	Transfer to Fund 603	\$0	\$2,000,000	\$3,000,000	\$2,000,000	\$2,000,000
12	Total Uses of Funds	\$31,697,563	\$36,215,438	\$38,069,554	\$38,255,030	\$39,024,701
13						
14	End of Year Balance, Fund 601	\$8,427,620	\$7,312,240	\$7,308,926	\$8,443,710	\$10,178,719

2.4.2 Fund 602 (Water Capital)

Revenues in Fund 602, (Water Capital), are funded from the Capital Improvement Charge, and by revenue bond proceeds (see Table 2-8). Table 2-10 shows revenues for the Division's Water Capital fund. CFP expenses are both funded and paid for within Fund 602.

Table 2-10: Sources of Funds, Fund 602

Line No	SOURCES OF FUNDS			FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
	FUND 602 (WATER CAPITAL)							
1	Beginning of Year Balance, Fund 602			\$8,744,205	\$5,395,365	\$15,465,650	\$11,195,978	\$6,941,942
2	Capital Improvement Charge							
3	Revenues Under Existing Rates			\$353,000	\$353,000	\$353,000	\$353,000	\$353,000
4	Additional Rate Revenues							
5			Months					
6	Fiscal Year	% Increase	of Revenue					
7	FY 17/18	12.40%	4	\$14,591	\$43,772	\$43,772	\$43,772	\$43,772
8	FY 18/19	11.30%	4		14,945	44,835	44,835	44,835
9	FY 19/20	3.50%	4			5,152	15,456	15,456
10	FY 20/21	3.50%	4				5,332	15,997
11	FY 21/22	3.50%	4					5,519
12	Total Additional Revenues Required			\$14,591	\$58,717	\$93,759	\$109,395	\$125,579
13								
14	Other Revenues			\$104,699	\$104,699	\$104,699	\$104,699	\$104,699
15	CIEDB Debt Proceeds			0	0	0	0	0
16	Revenue Bond Debt Proceeds			0	15,375,000	0	0	0
17	Transfer From Fund 601			0	0	0	0	0
18	Total Sources of Funds, 602			\$9,216,495	\$21,286,781	\$16,017,108	\$11,763,072	\$7,525,220

Table 2-10, lines 7-11, Revenues from Rate Increases are shown as percentage increases over current Capital Improvement Charge revenues and do not reflect the proposed rate structure shown in Section 3.

Table 2-11 shows the expenditures from Fund 602. The expenditures are capital improvements, and a transfer to the Division's Fund 603.

Table 2-11: Uses of Funds, Fund 602

Line No	USES OF FUNDS			FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
	FUND 602 (WATER CAPITAL)							
1	Capital Improvements			\$3,821,130	\$3,821,130	\$3,821,130	\$3,821,130	\$3,821,130
2	Transfer to Fund 603			0	2,000,000	1,000,000	1,000,000	1,000,000
3	Capitalized Labor			0	0	0	0	0
4	Total Use of Funds			\$3,821,130	\$5,821,130	\$4,821,130	\$4,821,130	\$4,821,130
5	Ending Year Fund Balance, Fund 602			\$5,395,365	\$15,465,650	\$11,195,978	\$6,941,942	\$2,704,089

Table 2-11, Line 1, Capital Improvements, is shown as a five-year capital cost estimate of \$19,105,650, spread evenly over the five-year period.

2.4.3 Fund 603 (Water Replacement)

Table 2-12, Sources of Funds, Fund 603, (Water Replacement), pays for replacements, such as pipes, meters, valves, and hydrants. Fund 603 is funded by transfers from Fund 601, (Water Operations), and Fund 602, (Water Capital).

Table 2-12: Sources of Funds, Fund 603

Line No	SOURCES OF FUNDS			FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
	FUND 603 (WATER REPLACEMENT)							
1	Beginning of Year Balance, Fund 603			\$3,588,879	\$113,295	\$637,712	\$1,162,129	\$686,545
2	Other Revenues (Interest)			\$31,900	\$31,900	\$31,900	\$31,900	\$31,900
3	Transfer From Fund 601			0	2,000,000	3,000,000	2,000,000	2,000,000
4	Transfer From Fund 602			0	2,000,000	1,000,000	1,000,000	1,000,000
5	Total Sources of Funds, 603			\$3,620,778	\$4,145,195	\$4,669,612	\$4,194,028	\$3,718,445

Table 2-13, Uses of Funds, Fund 603 (Water Replacement), shows that Replacement Expenditures are projected to be \$3,507,483 for each year in the five-year planning period.

Table 2-13: Uses of Funds, Fund 603

Line No	USES OF FUNDS FUND 603 (WATER REPLACEMENT)	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
1	Replacement Expenditures	\$3,507,483	\$3,507,483	\$3,507,483	\$3,507,483	\$3,507,483
2	Capitalized Labor	0	0	0	0	0
3	Total Use of Funds	\$3,507,483	\$3,507,483	\$3,507,483	\$3,507,483	\$3,507,483
4						
5	Ending Year Fund Balance, Fund 603	\$113,295	\$637,712	\$1,162,129	\$686,545	\$210,962

2.4.4 Financial Performance Indicators

The Financial Performance Indicators used to evaluate water utility revenues are: 1) End of Year Reserve Balance; 2) Debt Service Coverage Ratio. Table 2-14 shows these Financial Performance Indicators for each year in the five year planning period.

The Division's reserve policy is that reserves must exceed the sum of:

1. Two months of O&M expenses
2. \$500,000 for contingencies
3. 5% of the net plant value

Table 2-14 shows that this policy is met in each of the five years in the planning period. Table 2-14 also shows the Debt Service Coverage Ratio (DSCR) calculation. A DSCR of at least 1.75 is maintained throughout the five-year planning period. This DSCR exceeds the requirement of the City's Revenue Bond Ordinances, and was used to improve the financial position of the utility. The DSCR criteria of 1.75 was used because it will give the City an advantage when it goes to the bond market in FY 18/19 to borrow money.

Table 2-14: Financial Performance Indicators

Line No	FINANCIAL PERFORMANCE INDICATORS	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
1	End of Year (EOY) Reserve Balance Criteria					
2	Criteria: Total combined fund 601,602,603 Reserves					
3	Combined EOY 601,602,603 Balance	\$13,936,280	\$23,415,602	\$19,667,032	\$16,072,197	\$13,093,770
4	Target Reserve Balance					
5	2 months O&M Expenses	4,881,733	5,116,636	5,258,247	5,456,843	5,585,667
6	Plus \$500,000 for Contingencies	500,000	500,000	500,000	500,000	500,000
7	Plus 5% of Net Plant (3)	6,940,000	6,940,000	6,940,000	6,940,000	6,940,000
8	Subtotal	\$12,321,733	\$12,556,636	\$12,698,247	\$12,896,843	\$13,025,667
9	Exceeds Target?	Yes	Yes	Yes	Yes	Yes
10	Available Reserves for Capital Projects	\$1,614,547	\$10,858,966	\$6,968,786	\$3,175,354	\$68,103
11	Debt Service Coverage Ratio					
12	Gross Revenue	\$32,019,126	\$35,648,373	\$38,649,598	\$39,988,807	\$41,374,888
13	Less O&M Expenses	(\$27,797,246)	(\$29,488,427)	(\$30,338,094)	(\$31,529,669)	(\$32,302,616)
14	Revenue Available for Debt Service	\$4,221,880	\$6,159,946	\$8,311,504	\$8,459,138	\$9,072,272
15						
16	Revenue Bond Debt Service	\$2,407,164	\$3,515,623	\$3,520,073	\$3,513,973	\$3,510,698
17	Debt Service Coverage Ratio	1.75	1.75	2.36	2.41	2.58

Line 13 shows O&M expenses subtracted from gross revenues. For purposes of debt service coverage calculation, our calculations do not include intercity loan interest and intercity loan principal. The O&M expenses in the debt service calculation will differ from the O&M expense in Table 2-2 above.

Section 3

Rate Structure Development

This section outlines the proposed water rate structure. The rate structure is developed using a Cost of Service Analysis, completed consistently with industry standards. This Cost of Service analysis used methodology from the American Water Works Association's M1 Manual, Principles of Water Rates, Fees, and Charges (7th Edition).

3.1 Cost-of-Service Analysis

The first step in a Cost-of-Service analysis is functionalization, where water system expenses are grouped according to the functions of a water system. Water functions include pumping, storage, transmission and distribution (T&D), customer, meter, and administration. Table 3-1 shows the functionalization of the Division's O&M expenses for FY 17/18. Additional detail is available in Appendix B.

Some of the key aspects of the functionalization calculations are:

1. Labor costs were functionalized based on a review, with division staff, of the job responsibilities of Water Division employees.
2. All source of supply expenses are included in Table 3-1 in the Rate Tier Calculations.
3. The City Street Damage Fee and the Intercity Loan was functionalized 50% to T&D, and 50% on a per customer basis.

Table 3-1: Water System Cost-of-Service Analysis, FY 17/18 - Functionalization of O & M Expenditures

Line No.		FY 17/18 Total	Pumping	Storage	T&D	Customer	Meter	Admin	Rate Tier Calculations	Fire Protection
1	Total Salaries and Wages Expenditures	\$5,776,453	\$650,263	\$472,348	\$1,954,359	\$781,400	\$108,779	\$1,030,016	\$758,915	\$20,372
2	Total Contractual Services	7,557,919	240,220	106,744	1,819,453	1,990,605	40,185	3,072,827	280,358	7,526
3	Total Materials & Supplies	709,906	111,723	26,755	310,188	108,659	18,690	0	130,391	3,500
4	Total Water Production Expenses	15,246,121	439,147	0	0	0	0	0	14,806,974	0
5	Total	\$42,624,771	\$2,331,836	\$1,184,939	\$7,857,812	\$5,652,669	\$316,618	\$8,205,686	\$17,015,911	\$59,296

Table 3-2 shows the Functionalization of the Phase 1 Capital Facilities Plan. Forty six percent of the Phase 1 CFP cost are related to water storage, 32% of these costs are service line and meter replacements, which are functionalized to meters.

Table 3-2: Water System Cost-of-Service Analysis - Functionalization of Phase 1 CFP

Line	Project	Total Phase 1 Capital Spending	Pumping	Storage	T&D	Customer	Meter	Admin	Rate Tier Calculation	Fire Protection
1	Replace Misc. Distribution System Appurtenances	\$286,232			100%					
2	Service Line Replacements	7,068,075					100%			
3	Fire Hydrant Replacements	1,866,270								100%
4	Meter Replacements	5,141,311					100%			
5	Gate Valve Replacements	3,175,527			100%					
	Site Modifications to Place Manually Operated Wells on									
6	SCADA	628,506	25%	25%	25%					25%
7	Portable Back-up Power Units	1,047,510	100%							
	Reservoir Rehabilitations _ Near Term West Haven									
8	Reservoir Projects	4,599,808		100%						
	Reservoir Rehabilitations_Trask Reservoirs Medium and									
9	High Priorities	1,055,106		100%						
	Reservoir Rehabilitations_Trask Reservoirs Low Priorities									
10		1,943,366		100%						
	Trast Reservoir Site Mechanical and Security - High and									
11	Medium Priority	183,763		100%						
	Reservoir Rehabilitations - Magnolia Reservoir Medium									
12	and High Priorities	549,598		100%						
	Reservoir Rehabilitations Magnolia Reservoir Low									
13	Priorities	1,691,723		100%						
	Magnolia Reservoir Site Mechanical and Security - High									
14	and Medium Priority	113,874		100%						
	Magnolia Reservoir Site Mechanical and Security - Low									
15	Priority	3,383		100%						
	Reservoir Rehabilitations West Garden Grove Reservoir									
16	Medium and High Priorities	988,389		100%						
	Reservoir Rehabilitations West Garden Grove Reservoir									
17	Low Priorities	3,171,980		100%						
	West Garden Grove Reservoir Site Mechanical and									
18	Security - High & Medium Priority	64,708		100%						
	Reservoir Rehabilitations Lampson Reservoir Medium									
19	and High Priorities	1,513,246		100%						
	Reservoir Rehabilitations _ Lampson Reservoir Low									
20	Priorities	338,345		100%						
	Lampson Reservoir Site Mechanical and Security - High &									
21	Medium Priority	55,247		100%						
22	Exhaust Stack Corrections	22,129	100%							
23	West GG Sumps	511,840	100%							
24	Underground Vault Rehabilitation	785,633		100%						
25	Asset Management Study	327,347	25%	25%	25%					25%
26	Masterplan Update	550,000	25%	25%	25%					25%
27	Cyber Security	175,000	25%	25%	25%					25%
28	Total	\$37,857,916	\$2,001,692	\$17,478,382	\$3,881,972	\$0	\$12,209,386	\$0	\$0	\$2,286,483
29	As Percent		5%	46%	10%	0%	32%	0%	0%	6%

Table 3-3 shows the Functionalization of the Rate Revenue Requirement, for FY 17/18. Included in the rate revenue requirement are O&M expenditures, debt service payments, capital improvements and replacement expenditures. In FY 17/18, these expenditures are partially offset by non-rate revenues and use of reserves.

Table 3-3: Functionalization of Rate Revenue Requirement

Line No.	FY 17/18 Total	Pumping	Storage	T&D	Customer	Meter	Admin	Rate Tier Calculations	Fire Protection
1	O&M Expenses								
2	Water Production Expenses	\$15,246,121	\$439,147	\$0	\$0	\$0	\$0	\$14,806,974	\$0
3	Other	14,044,278	1,002,206	605,847	4,084,000	2,880,664	167,654	4,102,843	31,398
4	Debt Service	2,407,164	209,837	1,003,283	767,958	0	211,319	0	39,574
5	Capital Improvements	3,821,130	202,038	1,764,154	391,821	0	1,232,336	0	230,783
6	Replacement Expenditures	3,507,483	185,454	1,619,348	359,659	0	1,131,183	0	211,839
7	Less Other Revenues								
8	601 Fund	(399,885)	(7,138)	(62,327)	(13,843)	(154,000)	(43,538)	(110,885)	(8,154)
9	602 Fund	(104,699)	0	0	0	(39,000)	0	(65,699)	0
10	603 Fund	(31,900)	0	0	0	0	0	(31,900)	0
11	Change in Fund Balance	(7,007,051)	(370,489)	(3,235,041)	(718,507)	0	(2,259,812)	0	(423,201)
12									
13	Rate Revenue Requirement	\$31,482,642	\$1,661,055	\$1,695,264	\$4,871,088	\$2,687,664	\$439,142	\$3,894,359	\$82,239

The next step in a Cost of Service Analysis is allocation, where functionalized expenses are allocated to water system characteristics of average day demand, peak day demand, peak hour demand, and customer and water meter size.

In addition, source of supply costs are carried through the allocation step to be used in the rate tier calculations described later in this section. Table 3-4 shows the Allocation of FY 17/18 Rate Revenue Requirement.

Table 3-4: Allocation of FY 17/18 Rate Revenue Requirement

Line No.	FY 17/18 Projection	Extra Capacity			Customer		Rate Tier Calculations	Private Fire Protection
		Base	Max Day (2)	Max Hour(2)	Customer	Meter		
1	Water System Expenses							
2	Pumping	\$1,661,055	\$1,145,555	\$515,500	\$0	\$0	\$0	\$0
3	Storage	\$1,695,264	\$1,088,287	\$473,405	\$0	\$0	\$0	\$133,573
4	T&D	\$4,871,088	\$1,535,713	\$691,071	\$890,713	\$0	\$0	\$1,753,592
5	Customer	\$2,687,664	\$0	\$0	\$0	\$2,687,664	\$0	\$0
6	Meter	\$439,142	\$0	\$0	\$0	\$0	\$439,142	\$0
7	Administration (3)	\$3,894,359	\$1,283,615	\$572,068	\$303,307	\$915,208	\$149,537	\$0
8	Rate Tier Calculations	\$16,151,830	\$0	\$0	\$0	\$0	\$0	\$16,151,830
9	Fire Protection	\$82,239	\$0	\$0	\$0	\$0	\$0	\$82,239
10	Reallocate Public FP (4)	\$0	\$0	\$0	\$0	\$2,230,825	\$0	(\$2,230,825)
11	Total	\$31,482,642	\$5,053,170	\$2,252,044	\$1,194,020	\$3,602,872	\$2,819,504	\$16,151,830
12	Percent of Total	100%	16%	7%	4%	11%	9%	51%

Some of the key aspects of the allocation calculations are:

1. Pumping and storage costs are allocated to base (also referred to as average day) demand and maximum day demand. This is because pumping and reservoirs are sized to meet peak day demands, and they also are in use every day on a 24/7 basis.
2. A portion of storage costs are attributed to providing fire protection, based on an assessment of the amount of reservoir storage that is needed for fire protection, as described in the City's 2008 Water Master Plan.
3. Transmission and distribution system expenses are allocated to base, maximum day, and maximum hour demands because sizing of pipes also considers maximum hour demands. A portion of transmission and distribution expenses is also allocated to fire protection, recognizing that pipes are sized to provide fire flows.
4. Water supply costs are carried through to the rate tier calculations. In the Commodity Charge calculations described below, the charges for each rate tier are based on water supply costs.
5. Administrative expenses are allocated based on a weighted average of all other expenses.
6. Fire protection expenses, and the reallocation of public fire protection expenses, are discussed in further detail in Section 5 of this report.

Table 3-5 defines terms and clarifies the relationship between Water Service Characteristics and how costs are recovered in the proposed rate structure. The terms base, max-day, and max-hour demand are used in the industry standard publication, AWWA M1 Manual, Principles of Water Rates, Fees, and Charges, 7th Edition. Fixed charges refer to the Bi-Monthly Minimum Charge and the Capital Improvement Charge.

Table 3-5: Relationship Between Water Service Characteristics and Rate Structure

Water Service Characteristics	How Costs are Recovered in Rate Structure
Base Demand	Mostly through Commodity Charges, partially through Fixed Charges
Max Day and Max Hour	Commodity Charges
Customer and Meter	Fixed Charges
Rate Tier Calculations	Commodity Charges
Private Fire Protection	Fire Service Costs

3.2 Proposed Rate Schedule

The proposed rate structure was developed collaboratively by the Consultant and the Division, with input from City Council that was obtained during the four study sessions that occurred in 2017. The proposed rate structure is based on the following goals:

1. Balance revenue stability of higher fixed charges with financial impacts to rate payers that occur when fixed charges are raised.
2. Transition by FY 21/22 to collect 25% of revenues from fixed charges
3. Increasing the Capital Improvement Charge to pay for more of the capital costs
4. Simplify the Commodity Charge structure.
5. Restructuring Private Fire Service rates (see Section 5)
6. Two-tiered increasing block structure. The first tier includes locally produced groundwater, the second tier is imported water, at a 75%/25% ratio
7. Retaining the Low-Water User discount
8. Adding a proposed Low Income/Senior discount

The Division's proposed rate structure retains the Bi-Monthly Minimum Charge, but increases it to provide a more financially stable utility. Table 3-6 shows the proposed charges for each meter size.

Table 3-6: Proposed Bi-Monthly Minimum Charges

Line No	Meter Size	Meter Equivalent Ratio	Proposed Bi-Monthly Minimum Charges					
			Current	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
1	5/8 x 3/4"	1.0	\$12.74	\$18.02	\$28.15	\$29.63	\$31.95	\$33.85
2	1"	2.5	\$33.99	\$38.11	\$46.03	\$47.18	\$49.00	\$50.48
3	1 1/2"	5.0	\$65.82	\$68.92	\$74.86	\$75.72	\$77.09	\$78.20
4	2"	8.0	\$99.79	\$102.71	\$108.30	\$109.12	\$110.40	\$111.45
5	3"	16.0	\$165.62	\$174.25	\$190.83	\$193.24	\$197.04	\$200.15
6	4"	25.0	\$229.32	\$246.97	\$280.86	\$285.80	\$293.57	\$299.92
7	6"	50.0	\$524.45	\$537.61	\$562.87	\$566.55	\$572.34	\$577.08
8	8"	80.0	\$819.60	\$842.12	\$885.35	\$891.66	\$901.56	\$909.67
9	10"	120.0	\$1,114.74	\$1,174.34	\$1,288.76	\$1,305.45	\$1,331.67	\$1,353.13
10	Note: Proposed Minimum Charges rounded off to the nearest \$0.01.							

Currently, the Division charges a Bi-Monthly Capital Improvement Charge, based on meter size. Table 3-7 shows the current and proposed charges, for each meter connection size. The Capital Improvement Charge is increased to provide additional funds to complete the CFP. However, even at the proposed FY 21/22 charges, the Capital Improvement Charge does not fully fund the CFP; a portion of the other water rate revenues will also provide the needed revenue. This is evidenced by the continued transfers from Fund 601 (Water Operations) to Fund 603 (Water Replacement), and by the use of revenue bond proceeds in Fund 602 (Water Capital) (see Tables 2-9 and 2-10).

Table 3-7: Proposed Bi-Monthly Capital Improvement Charge

Line No	Meter Size	Meter Equivalent Ratio	Current Charge	Proposed Bi-Monthly Capital Improvement Charge				
				FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
1	5/8 x 3/4"	1.0	\$1.47	\$3.00	\$4.00	\$5.00	\$6.00	\$7.00
2	1"	2.5	\$2.07	\$7.50	\$10.00	\$12.50	\$15.00	\$17.50
3	1 1/2"	5.0	\$2.64	\$15.00	\$20.00	\$25.00	\$30.00	\$35.00
4	2"	8.0	\$4.27	\$24.00	\$32.00	\$40.00	\$48.00	\$56.00
5	3"	16.0	\$16.19	\$48.00	\$64.00	\$80.00	\$96.00	\$112.00
6	4"	25.0	\$20.60	\$75.00	\$100.00	\$125.00	\$150.00	\$175.00
7	6"	50.0	\$30.90	\$150.00	\$200.00	\$250.00	\$300.00	\$350.00
8	8"	80.0	\$42.68	\$240.00	\$320.00	\$400.00	\$480.00	\$560.00
9	10"	120.0	\$54.45	\$360.00	\$480.00	\$600.00	\$720.00	\$840.00

Table 3-8 shows the proposed Commodity Charges. The current rate structure is a four-tier structure, with a single pass-through charge applied to all water consumption. The proposed rate structure has two tiers, and each tier has a pass-through charge.

Table 3-8: Proposed Commodity Charges and Estimated Pass-Through Charge

	Two-Tier Commodity Delivery Charge, \$/ccf				
	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
Tier 1 Commodity Charge, Excluding Pass Through	\$2.94	\$2.94	\$2.92	\$2.89	\$2.86
Tier 1 Estimated Pass Through		\$0.07	\$0.15	\$0.20	\$0.29
Tier 2 Commodity Charge, Excluding Pass Through	\$3.65	\$4.06	\$4.15	\$4.28	\$4.40
Tier 2 Estimated Pass Through		\$0.08	\$0.17	\$0.25	\$0.28

Tier 1 is based on the cost of locally-produced groundwater. Tier 2 is based on the cost of imported water. Additional detail on rate tier calculations is included in Appendix C. Table 3-9 defines the amount of water in the first tier, for each meter connection size. The Division uses a 75% locally produced ground water and 25% imported water ratio. The amount of water included in Tier 1 was determined with the intent of having 75% of metered water consumption fall into Tier 1. The remaining 25% of water consumption would fall in Tier 2.

Table 3-9: Define Amount of Water in First Tier

Line No	Meter Size	Meter Equivalent Ratio	hcf Included in First Tier, per Billing Period
1	5/8 x 3/4"	1.0	33
2	1"	2.5	83
3	1 1/2"	5.0	165
4	2"	8.0	264
5	3"	16.0	528
6	4"	25.0	825
7	6"	50.0	1,650
8	8"	80.0	2,640
9	10"	120.0	3,960

The consumption data was then used to develop the 75%/25% two tier rate structure. The proposed rate structure is intended to be consistent with the requirements of Proposition 218.

3.3 Low Income/Senior Discount and Low Water User Discount

The Division currently has a Low-Water User Discount in place. Currently, customers that use 3 hcf or less per month, or 6 hcf or less per billing period, only pay the minimum charge. They do not pay the Commodity Charge or the

Capital Improvement Fee. The Low-Water User Discount program will be retained, and customers using 6 hcf or less per billing period will not pay Commodity Charges. However, the program is being modified to require the Low-Water Use customer to pay the Capital Improvement Charge.

The Division has proposed a Low-Income/Senior Discount, intended to partially mitigate the financial impacts of the higher fixed charges. This proposed discount program would have the following eligibility criteria:

1. Resident must live at the billing address
2. The water bill must be in the resident's name
3. The resident must be 65 years of age or older
4. The resident must be enrolled in Southern California Edison's CARE program

Initially, if adopted by City Council, the \$10 per billing period discount would be offered. The Low-Income/Senior Discount program would be funded using non-rate revenues, such as late fees.

Section 4

Example Monthly Water Bill Comparison

4.1 Introduction

In this Section, Example Monthly Water Bills are shown for the typical single-family household consuming 15 hcf per month, or 30 hcf per billing period. An example bill for a high water user with a 5/8" x 3/4" meter connection.

Table 1-1 in Section 1 shows existing Bi-Monthly Minimum Charges and Capital Recovery Charge. All rates are based on meter connection size. A Bi-Monthly water bill includes a minimum charge, a Capital Recovery charge, plus a Commodity Pass-Through Charge, per number of hcf used per billing period. All rates are current, as of July 1, 2017.

All example bills are shown using the proposed rate schedules in Section 3. Table 3-6, Proposed Bi-Monthly Minimum Charges, Table 3-7 Proposed Bi-Monthly Capital Improvement Charge, and Table 3-8, Proposed Two-Tier Commodity Delivery Charges, \$/hcf. Table 3-9 Define Amount of Water in First Tier is also used to show the number of hcf to be included in the first tier, per billing period.

4.2 Example Bill for a typical 5/8"x 3/4" Meter Connection

Table 4-1 shows proposed Bi-Monthly rates that include the Minimum Charge, Capital Recovery Charge, and Commodity Charges, for a typical 5/8"x 3/4" meter connection.

Table 4-1. Proposed Rate Structure for a Typical 5/8"x 3/4" Meter

Line No		Current	5/1/2018	1/1/2019	1/1/2020	1/1/2021	1/1/2022
1	Proposed Monthly Rates						
2	Bi-Monthly Min Charge	\$12.74	\$18.02	\$28.15	\$29.63	\$31.95	\$33.85
3	Bi-Monthly Capital Recovery Charge	\$1.47	\$3.00	\$4.00	\$5.00	\$6.00	\$7.00
4	Commodity Charge, \$/hcf						
5	1st Tier	\$3.07	\$2.94	\$2.94	\$2.92	\$2.89	\$2.86
6	Estimated 1st Tier Pass-Through		\$0.00	\$0.07	\$0.15	\$0.20	\$0.29
7	2nd Tier	\$3.15 - \$3.33	\$3.65	\$4.06	\$4.15	\$4.28	\$4.40
8	Estimated 2nd Tier Pass-Through		\$0.00	\$0.08	\$0.17	\$0.25	\$0.28

Table 4-2 shows an example water bill for a single-family customer with a 5/8"x 3/4" meter, using 15 hcf per month, or 30 hcf per bi-monthly billing period. For a customer that uses approximately 15 hcf per month, all of the commodity charges will be in the first tier.

Table 4-2. Example Water Bill for a 5/8"x 3/4" Meter, 30 hcf Typical Customer

Single Family, 30 hcf Bi-Monthly Water Use						5-Year Cumulative
Current	5/1/2018	1/1/2019	1/1/2020	1/1/2021	1/1/2022	
\$106.31	\$109.22	\$120.35	\$122.23	\$124.65	\$126.65	\$20.34
% Change	2.7%	10.2%	1.6%	2.0%	1.6%	19.1%

(does not include estimated pass-thru charges)

Table 4-3 shows an example water bill for a single-family customer with a 5/8" x 3/4" meter, using 30 hcf per month, or 60 hcf per bi-monthly billing period. This customer would be considered a high water user. For this customer, some of the commodity charges will be in Tier 1, and some in Tier 2. Refer to Table 3-8 and 3-9.

Table 4-3. Example Water Bill for a 5/8" x 3/4" Meter, High Water Use Customer

Current	Single Family, 60 hcf Bi-Monthly Water Use					5-Year
	5/1/2018	1/1/2019	1/1/2020	1/1/2021	1/1/2022	Cumulative
\$200.33	\$216.47	\$238.07	\$241.94	\$247.64	\$251.80	\$51.47
% Change	8.1%	10.0%	1.6%	2.4%	1.7%	25.7%

(does not include estimated pass-thru charges)

Table 4-4 shows an example bill for a Multi-Family customer with a 3" meter. This example is for a 50 unit building, where each unit consumes 12 hcf per unit. On a bi-monthly bill, this comes to 600 hcf per month, or 1,200 hcf per billing period.

Table 4-4. Example Water Bill for a 3" Meter, Multi-Family Water Customer

Current	Multi-Family 50-Units, 12 hcf/month per unit					5-Year
	5/1/2018	1/1/2019	1/1/2020	1/1/2021	1/1/2022	Cumulative
\$4,107.53	\$4,227.37	\$4,535.47	\$4,603.80	\$4,695.12	\$4,779.03	\$671.50
% Change	2.9%	7.3%	1.5%	2.0%	1.8%	16.3%

(does not include estimated pass-thru charges)

Table 4-5 shows an example bill for typical Commercial customer with a 2" meter, using 500 hcf per bi-monthly billing period. For this customer, 500 hcf per billing period is divided into two tiers. Tier 1 water use is 264 hcf and Tier 2 water use is 236 hcf.

Table 4-5. Example Water Bill for a 2" Meter, Commercial Water Customer

Current	Example Commercial, 500 hcf Bi-Monthly Water Use					5-Year
	5/1/2018	1/1/2019	1/1/2020	1/1/2021	1/1/2022	Cumulative
\$1,698.68	\$1,764.27	\$1,874.62	\$1,899.40	\$1,931.44	\$1,960.89	\$262.21
% Change	3.9%	6.3%	1.3%	1.7%	1.5%	15.4%

(does not include estimated pass-thru charges)

4.3 Comparison with Other Utilities

Figure 2 shows a comparison of monthly water bills for Garden Grove and six other local utilities. This graph shows the water bill for a single-family residence with a 5/8" x 3/4" water meter, at monthly consumption ranging from 0 to 30 hcf/month. This graph shows that Garden Grove's water rates are in the middle of the pack, compared with these six other utilities.

Proposed water bills are not shown in Figure 2. This is because it can be misleading to compare future rates with other utilities current rates. Additionally, some utilities are in the process of revising rates. For example, the City of Orange adopted a rate increase in December 2017, and the City of Santa Ana is expected to begin a Water Rate Study in 2018.

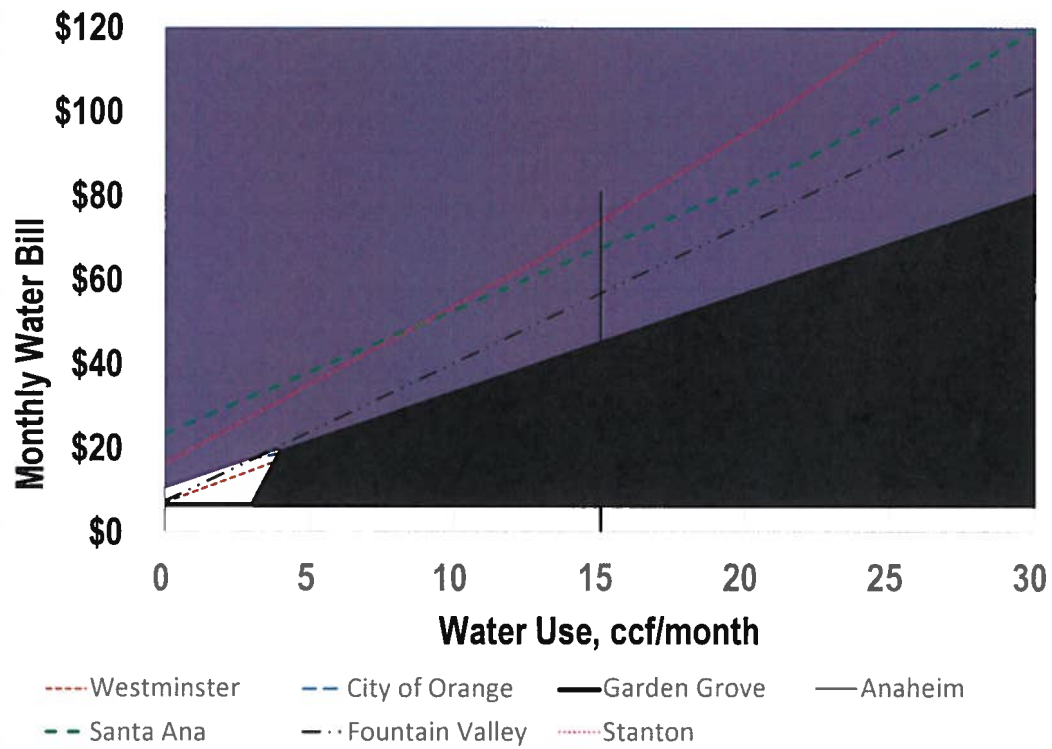


Figure 2: Water Bill Comparison of Local Utilities

Section 5

Fire Service Rates

5.1 Introduction

Fire Service rates are charged to private fire service connections. Updating Fire Service rates was done to equitably distribute the costs of providing fire protection. The methodology for revising Fire Service rates is discussed in the AWWA M1 Manual.

5.2 Existing Fire Service Rates

Table 5-1 shows the existing Fire Service rates for each meter size. The majority of Fire Service customers have a 4" 6", or 8" meter. Currently, Fire Service customers also pay the Capital Improvement Charge. Table 5-1 shows the total paid, per meter size, for both the bi-monthly rate and the Capital Improvement Charge.

Table 5-1: Existing Bi-Monthly Fire Service Rates

Connection Size (in)	Current Capital		Current Rates Total
	Current Rates Fire Service	Improvement Charge	
5/8 x 3/4"	\$11.00	\$1.47	\$12.47
1"	\$11.00	\$2.07	\$13.07
1 1/2"	\$11.00	\$2.64	\$13.64
2"	\$11.00	\$4.27	\$15.27
3"	\$14.00	\$16.19	\$30.19
4"	\$19.00	\$20.60	\$39.60
6"	\$29.00	\$30.90	\$59.90
8"	\$38.00	\$42.68	\$80.68
10"	\$48.00	\$54.45	\$102.45

5.3 Proposed Fire Service Rates

The Cost-of-Service analysis described in Section 3 includes an assessment of the cost to provide Fire Service. Table 3-4 in Section 3 shows the key aspects of defining the costs of providing Fire Service. It shows that a portion of storage and transmission and distribution costs are assigned to Fire Service, recognizing that an important function of reservoirs and pipes is providing sufficient quantities of water throughout the system for fire protection.

The total cost to provide fire protection is approximately \$2.6M is FY 17/18. This cost is split between public fire services, (i.e. fire hydrants) and private fire service connections by a size-weighted tabulation of "equivalent fire service connections" (see Appendix C for more detail).

In Table 3-4, the cost associated with public fire protection is recovered from water system customers on a per-meter equivalent basis.

Table 5-2 shows the proposed Fire Service Rates. These proposed rates increase with increasing connection size proportional to the Hazen-Williams equation for flow through pressure conduits, as described in the AWWA M1 Manual, 7th Edition, page 162.

Table 5-2: Proposed Bi-Monthly Fire Service Rates

Line No	Connection Size (in)	Demand Factor	Proposed Bi-Monthly Fire Service Rate				
			FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
1	5/8 x 3/4"	1.00	\$0.84	\$0.93	\$0.96	\$0.99	\$1.02
2	1"	1.00	\$0.84	\$0.93	\$0.96	\$0.99	\$1.02
3	1 1/2"	2.90	\$2.43	\$2.70	\$2.79	\$2.89	\$2.99
4	2"	6.19	\$5.17	\$5.75	\$5.95	\$6.16	\$6.38
5	3"	17.98	\$15.02	\$16.72	\$17.31	\$17.92	\$18.55
6	4"	38.32	\$32.01	\$35.63	\$36.88	\$38.17	\$39.51
7	6"	111.31	\$93.00	\$103.51	\$107.13	\$110.88	\$114.76
8	8"	237.21	\$198.18	\$220.57	\$228.29	\$236.28	\$244.55
9	10"	426.58	\$356.40	\$396.67	\$410.55	\$424.92	\$439.79

With these proposed Fire Service rates, Private Fire Service customers will no longer pay a Capital Improvement Charge. The cost of capital improvements attributable to fire protection is already included in the proposed Fire Service changes.

Section 6

Ongoing Considerations

This Rate Study and the projected rate schedule shown in Section 3 cover a Rate Study planning period through FY 21/22. There are a number of factors that will change over the next few years that have financial implications. The extent to which these factors change will influence the financial condition of the water system and the Division's next review of water rates.

The Department should continue to monitor its financial status on an ongoing basis, and should continue to monitor the following:

- Water consumption patterns. Financial projections are based on an overall water demand of 23,000 acre-feet per year. Changes in water demand patterns will affect revenues and the overall financial condition of the utility. If water demands differ from 23,000 acre-feet per year, the Division will need to make appropriate adjustments to capital project scheduling, debt issuance, and/or rates.
- Customer growth. This Rate Study assumes no customer growth through FY 21/22. Customer growth increases the size of the customer base and customer growth would result in higher rate revenues.
- Changes in regional water supply availability and pricing. The projected Commodity Pass-Through Charge incorporates anticipated increases in the cost of purchased water and increases in OCWD's Recharge Assessment associated with locally-produced groundwater. The Division will need to monitor these costs and continue to adjust the Commodity Pass-Through Charge on an annual basis.
- Capital project cost certainty. The Capital Facilities Plan contains estimates of future project costs. The actual costs will not be known until the projects are designed, bid, and built.
- Inflation rates. The projected rates are based on a 2.5 percent annual inflation rate for most items, and a 4.0 percent annual inflation rate for salaries and wages. Deviations in inflation rates from these values will have financial implications.
- Interest rates. Interest rates on the proposed Revenue Bond debt that differ from assumptions used in this Study will have financial implications.

Low-Income Senior Discount participation. The Division has dedicated non-rate revenues as the funding source for the proposed Low-Income Senior Discount, if adopted by Council. After the program is implemented, the Division will need to monitor the participation rate and make appropriate adjustments (if needed) to the amount of the discount and/or the funding source.

Section 7

Appendix A: Revenue Requirement

Table A-1
City of Garden Grove - Water Division
Water Rate Study

General Assumptions and Parameters

Line No	General Assumptions and Parameters		FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27
1	Round	-1										
2	Water System Replacement Value, \$M (Placeholder)	\$300										
3												
4												
5	General Inflation		2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%
6	Salaries and Wages Escalation (1)		4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%
7	CIP Escalation (7)		2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%
8	Change in per capital water consumption		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
9												
10												
11	Water supply in Acre-feet, per Fiscal Year											
12	FY 13/14	26,000										
13	FY 14/15	24,062										
14	FY 15/16	21,518										
15	FY 16/17	22,000										
16	FY 17/18	23,000										
17	FY 18/19	23,000										
18	FY 19/20	23,000										
19	FY 20/21	23,000										
20	FY 21/22	23,000										
21	FY 22/23	23,000										
22	FY 23/24	23,000										
23												
24	Intercity Loan Repayment											
25	Repayment Period (Years)	15										
26												
27	Debt Issuance Terms											
28	CIEDB											
29	Annual Interest Rate (%)											
30	Repayment Period (Years)											
31	Capitalized Bond Reserves (% of Principal)											
32	Annual Loan Fee Rate (% of outstanding principal)											
33	Cost of Issuance (%)											
34	Revenue Bond											
35	Annual Interest Rate (%)											
36	Repayment Period (Years)											
37	Capitalized Bond Reserve (% of Proceeds)											
38	Cost of Issuance (%)											

3.5% CIEDB debt not used in this rate study
 20 CIEDB debt not used in this rate study
 10.0% CIEDB debt not used in this rate study
 0.0% CIEDB debt not used in this rate study
 1.0% CIEDB debt not used in this rate study
 5.0%
 30
 8.75%
 2.0%

Table A-2
City of Garden Grove
Water Division - Water Rate Study
Customer Data FY 15/16

Line No	July	August	September	October	November	December	January	February	March	April	May	June	Total
1	Total Consumption, ccf												
2	Residential												
3	Duplex	3,557	6,483	3,375	7,534	2,607	4,258	4,087	7,219	6,265	3,363	6,131	57,944
4	Landscape	11,903	14,292	11,058	16,639	9,188	9,912	9,451	8,849	10,691	10,748	10,295	128,837
5	Multi-unit	200,241	113,834	207,571	123,459	186,900	86,413	217,169	129,200	109,685	196,361	89,994	1,843,247
6	Sewer/Septic	201	556	215	578	215	461	274	611	431	337	367	4,453
7	Single family home	393,106	395,065	359,186	407,142	317,027	231,850	381,414	354,986	353,927	335,443	369,540	4,173,530
8	Townhome	631	860	121	769	60	241	661	857	861	243	663	6,038
9	Commercial												
10	Agriculture	72	152	33	201	132		0	65	123	48	0	826
11	Car wash	714	1,569	597	2,451	209	1,714	632	1,380	1,864	1,539	1,254	14,371
12	Church	3,307	2,253	2,001	2,439	1,847	730	3,126	2,329	2,630	1,875	2,250	26,732
13	Commercial	110,990	76,459	107,767	75,922	102,632	52,861	106,975	96,573	72,246	95,284	64,620	1,055,676
14	Hospital	9,116	1,891	9,773	1,951	8,853	2,034	8,948	2,168	1,962	7,542	2,056	64,384
15	Hotel/Motel	39,198	1,831	45,202	1,445	37,344	1,174	38,829	1,520	1,328	40,521	1,063	247,514
16	Industrial	65,888	4,415	67,955	4,556	66,707	617	55,186	16,353	4,172	61,596	3,827	417,512
17	Landscape	16,757	6,750	17,210	7,348	14,630	4,356	8,726	5,193	3,643	11,326	5,095	109,416
18	Laundromat	3,521	1,940	3,315	1,729	3,152	1,054	3,361	2,800	1,713	3,817	1,728	31,750
19	Private school	2,818	1,144	3,359	959	3,249	456	2,321	837	876	2,490	908	21,254
20	Public school	92,248		107,482		93,851		50,658			81,837		456,000
21	Public school other	3,234		3,586		2,708		2,432			1,808		15,350
22	Total, ccf	957,502	629,494	949,806	655,122	851,311	398,131	894,250	630,940	572,417	856,178	559,791	8,674,834
23													
24	Sum of Indoor Tier ccf												
25	Residential												
26	Duplex	2,858	5,098	2,525	5,882	1,939	3,197	3,326	5,621	5,045	2,556	4,850	45,295
27	Landscape	1,033	1,519	939	1,510	918	1,103	1,004	1,462	1,505	985	1,156	13,909
28	Multi-unit	139,406	84,489	145,074	89,500	131,390	62,446	153,581	100,128	82,484	140,748	66,576	1,328,713
29	Sewer/Septic	64	358	72	364	90	312	88	391	72	181	203	2,503
30	Single family home	254,627	235,861	227,124	247,824	212,941	146,247	275,714	249,007	239,083	227,536	221,618	2,741,872
31	Townhome	558	750	98	732	60	200	649	778	781	199	626	5,502
32	Commercial												
33	Agriculture	72	152	33	156	122		0	65	117	48	0	765
34	Car wash	695	1,387	566	2,056	209	1,406	549	1,106	1,348	1,048	1,080	11,863
35	Church	3,162	2,166	1,959	2,373	1,719	671	2,663	2,132	2,170	1,777	2,017	24,566
36	Commercial	100,499	69,087	98,321	68,396	90,636	48,421	94,882	85,429	63,583	86,288	57,046	946,396
37	Hospital	8,375	1,873	9,183	1,917	8,328	1,886	8,535	2,076	1,920	7,256	1,878	60,819
38	Hotel/Motel	38,513	1,499	41,399	1,389	34,775	1,112	37,403	1,440	35,501	39,266	1,002	234,527
39	Industrial	59,681	4,061	61,324	4,170	59,311	533	51,177	14,283	3,769	55,560	3,418	369,217
40	Landscape	0	0	0	0	0	0	0	0	0	0	0	0
41	Laundromat	2,980	1,802	2,843	1,592	2,799	1,054	2,952	2,694	1,609	3,292	1,590	28,295
42	Private school	2,585	1,090	3,253	902	2,732	406	2,025	801	795	2,323	817	19,493
43	Public school	87,962		103,710		82,219		43,044		28,331	80,511		425,775
44	Public school other	3,234		3,586		2,589		1,940		1,342	1,801		14,492
45	Total	706,302	411,191	702,009	428,764	632,776	268,994	679,531	467,413	405,744	651,375	363,877	6,274,002
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Printed: 3/6/2018

Table A-2
City of Garden Grove
Water Division - Water Rate Study
Customer Data FY 15/16

Line No	July	August	September	October	November	December	January	February	March	April	May	June	Total
47	Sum of outdoor tier ccf												
48	Residential												
49	Duplex	384	975	525	1,021	413	337	519	299	678	455	794	6,712
50	Landscape	6,307	7,041	6,148	6,995	4,186	3,544	2,793	2,860	4,946	5,846	4,277	58,580
51	Multi-unit	16,803	8,933	19,557	8,621	4,333	8,927	4,251	9,745	5,999	14,789	6,323	121,378
52	Sewer/Septic	114	188	122	177	84	102	90	87	86	129	87	1,345
53	Single family home	109,949	130,734	107,321	122,577	73,780	60,654	58,236	47,363	83,582	82,951	115,563	1,048,700
54	Townhome	1	15	3	10	0	11	11	0	13	12	1	78
55	Commercial	0	0	0	17	10	0	0	0	6	0	0	33
56	Agriculture	0	0	0	17	10	0	0	0	6	0	0	33
57	Car wash	14	68	31	156	0	41	65	25	74	74	115	807
58	Church	53	63	14	16	24	116	30	48	120	55	100	644
59	Commercial	5,419	2,530	4,377	2,156	5,501	5,104	3,223	4,328	2,173	4,110	2,015	42,379
60	Hospital	702	18	488	34	412	382	92	400	42	220	178	3,096
61	Hotel/Motel	406	166	619	51	622	545	48	609	63	807	61	4,039
62	Industrial	4,354	157	3,486	123	3,180	1,719	385	4,346	95	1,726	98	19,707
63	Landscape	11,569	4,919	12,611	5,052	9,529	4,646	3,088	5,234	2,610	7,841	3,720	73,413
64	Laundromat	271	89	182	74	151	228	8	267	0	233	91	1,594
65	Private school	69	16	68	40	142	79	21	35	23	51	58	613
66	Public school	1,831		2,323		5,508	2,909		922		756		14,248
67	Public school other	0		0		4	138		61		7		210
68	Total	158,245	155,912	157,873	147,121	116,543	89,461	72,849	76,630	100,511	120,061	133,481	1,397,579
69	Sum of Excessive Tier ccf												
70	Residential												
71	Duplex	315	410	325	631	355	424	1,079	368	542	352	487	5,936
72	Landscape	4,564	5,732	3,971	8,134	4,084	4,903	4,594	2,176	4,239	3,917	4,863	56,348
73	Multi-unit	44,032	20,412	42,940	25,338	42,414	54,661	24,821	39,784	21,202	40,824	17,095	393,156
74	Sewer/Septic	24	10	21	37	40	96	141	48	35	28	77	605
75	Single family home	28,530	28,471	24,741	36,741	30,306	45,046	47,743	23,189	31,262	24,957	32,359	382,958
76	Townhome	72	94	20	27	0	12	68	0	67	32	35	458
77	Commercial	0	0	0	28	0	0	0	0	0	0	0	28
78	Agriculture	0	0	0	239	0	42	209	10	442	416	59	1,701
79	Car wash	5	114	0	50	104	347	167	139	340	43	133	1,522
80	Church	92	24	28	50	104	347	167	139	340	43	133	1,522
81	Commercial	5,072	4,842	5,069	5,370	6,495	6,990	7,921	5,210	6,490	4,886	5,559	66,900
82	Hospital	39	0	102	0	113	31	0	98	0	66	0	469
83	Hotel/Motel	279	166	3,184	5	1,947	881	32	1,948	38	449	0	8,948
84	Industrial	1,854	197	3,145	262	4,216	2,289	1,685	9,964	308	4,310	312	28,588
85	Landscape	5,188	1,831	4,599	2,296	5,101	4,080	2,105	3,148	1,033	3,485	1,375	36,003
86	Laundromat	270	49	290	63	202	181	98	266	104	291	47	1,861
87	Private school	164	38	38	16	375	217	16	67	59	115	33	1,148
88	Public school	2,455		1,449		6,124	4,706		671		571		15,976
89	Public school other	0		0		115	354		179		0		648
90	Total	92,955	62,390	89,924	79,237	101,992	125,258	90,677	87,236	66,162	84,742	62,434	1,003,253
91													

Table A-3
City of Garden Grove - Water Division
Water Rate Study

Existing Water Rates, as of 7/1/2017

Effective February 1, 2017, new Commodity Pass-Through			
Commodity Charge per ccf			
Line	Meter Size (inches)	Bi-Monthly Min Capital Recovery Charge	Usage, units of water (ccf)
1	5/8 x 3/4"	\$12.74	0-36
2	1"	\$33.99	37-250
3	1-1/2"	\$65.82	251-500
4	2"	\$99.79	>500
5	3"	\$165.62	
6	4"	\$229.32	
7	6"	\$524.45	
8	8"	\$819.60	
9	10"	\$1,114.73	
10			
11			
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23			
24			
25			

Historical Commodity Charge, FY 15/16			
Commodity Charge per ccf			
Usage, units of water (ccf)	Commodity Pass-Through	Balance	Total
0-36	\$0.67	\$2.25	\$2.92
37-250	\$0.67	\$2.33	\$3.00
251-500	\$0.67	\$2.42	\$3.09
>500	\$0.67	\$2.51	\$3.18

Table A-3A
City of Garden Grove
Water Division - Water Rate Study

Proposed Water Rates and Example Water Bill Calculation

Line	Proposed Monthly Rates	Current	1/1/2018	1/1/2019	1/1/2020	1/1/2021	1/1/2022
1	Bi-Monthly Min Charge	\$12.74	\$18.02	\$28.15	\$29.63	\$31.95	\$33.85
2	Bi-Monthly Capital Recovery Charge	\$1.47	\$3.00	\$4.00	\$5.00	\$6.00	\$7.00
3	Commodity Charge, \$/ccf						
4	1st Tier	\$3.07	\$2.94	\$2.94	\$2.92	\$2.89	\$2.86
5	Estimated 1st Tier Pass-Through		\$0.00	\$0.07	\$0.15	\$0.20	\$0.29
6	2nd Tier	\$3.15 - \$3.33	\$3.65	\$4.06	\$4.15	\$4.28	\$4.40
7	Estimated 2nd Tier Pass-Through		\$0.00	\$0.08	\$0.17	\$0.25	\$0.28
8							
9	Example Water Bill, Typical Water User						
10	Example Bill Calculation, 15 ccf/month						
11	Monthly Consumption, ccf	15	15	15	15	15	15
12	Bi-Monthly Consumption, ccf	30	30	30	30	30	30
13							
14	Bi-Monthly Bill	\$106.31	\$109.22	\$122.45	\$126.73	\$130.65	\$135.35
15	Change from Previous		\$2.91	\$13.23	\$4.28	\$3.92	\$4.70
16	Monthly Bill	\$53.16	\$54.61	\$61.23	\$63.37	\$65.33	\$67.68
17	Monthly change from previous year		\$1.46	\$6.61	\$2.14	\$1.96	\$2.35
18							
19	Bi-Monthly Bill, Not Including Pass-Throughs		\$109.22	\$120.35	\$122.23	\$124.65	\$126.65
20	Monthly Bill, Not Including Pass-Throughs		\$54.61	\$60.18	\$61.12	\$62.33	\$63.33
21							
22	Amount of Pass-Throughs, Bi-Monthly		\$0.00	\$2.10	\$4.50	\$6.00	\$8.70
23	Amount of Pass-Throughs, Monthly		\$0.00	\$1.05	\$2.25	\$3.00	\$4.35
24							
25	Example Water Bill, High Water User						
26	Example Bill Calculation, 30 ccf/month						
27	Monthly Consumption, ccf	30	30	30	30	30	30
28	Bi-Monthly Consumption, ccf	60	60	60	60	60	60
29							
30	Bi-Monthly Bill	\$200.33	\$216.59	\$243.26	\$252.58	\$262.23	\$271.16
31	Change from Previous		\$16.26	\$26.67	\$9.32	\$9.65	\$8.93
32	Monthly Bill	\$100.17	\$108.30	\$121.63	\$126.29	\$131.12	\$135.58
33	Monthly change from previous year		\$8.13	\$13.34	\$4.66	\$4.83	\$4.47
34							
35	Bi-Monthly Bill, Not Including Pass-Throughs		\$216.59	\$238.79	\$243.04	\$248.88	\$254.03
36	Monthly Bill, Not Including Pass-Throughs		\$108.30	\$119.40	\$121.52	\$124.44	\$127.02
37							
38	Amount of Pass-Throughs, Bi-Monthly		\$0.00	\$4.47	\$9.54	\$13.35	\$17.13
39	Amount of Pass-Throughs, Monthly		\$0.00	\$2.24	\$4.77	\$6.68	\$8.57

Table A-4
City of Garden Grove - Water Division
Water Rate Study

Historical and Projected Revenues under Existing Rates

Line No	ACCT	DESCRIPTION	Fund	Actual (1) FY 13/14	Actual (1) FY 14/15	Actual (3) FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 16/17- FY 21/22 Average Annual Growth
OPERATING REVENUES													
1	32601	WATER-METERED	601	\$27,813,114	\$25,494,918	\$21,805,999	\$22,208,411	\$29,801,011	\$29,801,011	\$29,801,011	\$29,801,011	\$29,801,011	6.1%
3	32603	WATER-FLAT RATE	601	98,585	98,585	147,878	79,000	79,000	79,000	79,000	79,000	79,000	0.0%
4	32630	WATER PROC FEE	601	2,947	465	0	0	0	0	0	0	0	n/a
5	32636	LATE FEE (4)	601	369,468	360,449	347,843	300,000	150,000	0	0	0	0	-100.0%
6	32638	AFTER HRS SERV CHG	601	1,225	679	1,014	500	500	500	500	500	500	0.0%
7	32640	WATER COSTS (5)	601	6,251,280	6,649,601	6,320,543	6,320,543	4,000	4,000	4,000	4,000	4,000	-100.0%
8	32855	NSF FEE	601	6,875	6,650	6,600	4,000	4,000	4,000	4,000	4,000	4,000	0.0%
9	32605	CAPITAL RECOVERY	602	440,693	443,124	433,732	353,000	353,000	353,000	353,000	353,000	353,000	0.0%
10	32650	SERVICE INSTALL FEES	602	48,387	48,817	44,774	39,000	39,000	39,000	39,000	39,000	39,000	0.0%
11	32652	FRONTAGE ASSMT FEE	602	20,014	7,297	13,409	6,000	6,000	6,000	6,000	6,000	6,000	0.0%
12	32655	ACREAGE ASSMT FEE	602	14,144	4,695	10,564	4,000	4,000	4,000	4,000	4,000	4,000	0.0%
13		WATER SALES		\$35,066,732	\$33,115,278	\$29,132,355	\$29,314,453	\$30,436,511	\$30,286,511	\$30,286,511	\$30,286,511	\$30,286,511	0.7%
14		Water Sales Subject to Rate Increases		\$34,162,979	\$32,243,103	\$28,274,419	\$28,607,953	\$29,880,011	\$29,880,011	\$29,880,011	\$29,880,011	\$29,880,011	0.9%
15													
16													
17	39012	MISC REVENUE	601	\$113,419	\$22,614	\$20,352	\$22,000	\$22,000	\$22,000	\$22,000	\$22,000	\$22,000	0.0%
18	39025	OVER/SHORT	601	(228)	(337)	90	0	0	0	0	0	0	n/a
19	39515	WRITE-OFF RECOVERY	601	6,065	7,866	4,962	3,000	3,000	3,000	3,000	3,000	3,000	0.0%
20		OTHER		\$119,256	\$30,143	\$25,405	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	0.0%
21													
22		NON-OPERATING REVENUES (EXPENSES)											
23	34501	INTEREST	601	\$325,662	\$229,250	\$56,385	\$56,385	\$56,385	\$56,385	\$56,385	\$56,385	\$56,385	0.0%
24	34501	INTEREST	602			55,699	55,699	55,699	55,699	55,699	55,699	55,699	0.0%
25	34501	INTEREST	603			31,900	31,900	31,900	31,900	31,900	31,900	31,900	0.0%
26													
27	34330	SALE OF SCRAP	601	28,737	22,694	14,540	22,000	22,000	22,000	22,000	22,000	22,000	0.0%
28	34340	SALE OF MATERIALS	601	12,158	7,237	44,493	7,000	7,000	7,000	7,000	7,000	7,000	0.0%
29		GAIN ON DISPOSAL OF ASSETS		\$40,895	\$29,932	\$59,033	\$29,000	\$29,000	\$29,000	\$29,000	\$29,000	\$29,000	0.0%
30													
31	38267	2010 FED SUBSIDY	601	\$168,871	\$168,973	\$158,654	\$135,000	\$135,000	\$135,000	\$135,000	\$135,000	\$135,000	0.0%

Notes:

- (1) Source through FY 16/17: Water Utility Revenue Expenditures.xls provided by City of Garden Grove
- (2) Projected to remain at FY 16/17 values, except water metered and water costs. Refer to Table A-5.
- (3) Source FY 15/16: Water Utility Revenue Expenditures.xls provided by City of Garden Grove 1/23/17
- (4) Late fee revenues are not included after 1/1/18 because it is anticipated that late fee revenues will be used to fund the low-income/senior discount
- (5) With proposed changes in rate structures, the pass-through charge will be reset to zero. For the purposes of this rate study, water costs revenues are included in water-metered revenues.

Table A-5
City of Garden Grove - Water Division
Water Rate Study
Detailed Calculation of Water-Metered and Water Costs Revenues

Line No	ACCT	DESCRIPTION	Actual		Estimate				
			FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
1		"Water-Metered" Revenue Estimate							
2		Minimum Charge Revenue (5)	\$3,800,000	\$3,800,000	\$3,800,000	\$3,800,000	\$3,800,000	\$3,800,000	\$3,800,000
3		Commodity Charge Revenue	18,005,099	18,408,411	19,245,156	19,245,156	19,245,156	19,245,156	19,245,156
4		Total	\$21,805,099	\$22,208,411	\$23,045,156	\$23,045,156	\$23,045,156	\$23,045,156	\$23,045,156
5									
6		% of Annual Water Sold (6)			32%	32%	32%	32%	32%
7		January through April			1,868	1,868	1,868	1,868	1,494
8		AF/Year Sold, January through April			3,882	3,882	3,882	3,882	3,106
9		AF/Year Sold, Remainder of Fiscal Year			5,750	5,750	5,750	5,750	4,600
10		Total AF/Year Imported			17,250	17,250	17,250	17,250	18,400
11		Total AF/Year Groundwater							
12									
13		Water Pass-Through Calculation, MWD Imported Water (Tier 2 Pass-Through)							
14		MWD Purchased Water Cost	\$6,602,908	\$6,834,740	\$7,176,477	\$7,535,301	\$6,493,266		
15		\$/AF	\$1,148.33	\$1,188.65	\$1,248.08	\$1,310.49	\$1,411.58		
16		Change from Previous Year							
17		\$/AF		\$40.3	\$59.4	\$62.4	\$101.1		
18		\$/ccf		\$0.09	\$0.14	\$0.14	\$0.23		
19		Pass-Through Charge, \$/ccf		\$0.09	\$0.23	\$0.37	\$0.60		
20									
21		Water Pass-Through Calculation, Groundwater (Tier 1 Pass-Through)							
22		Groundwater Costs (Including Pumping and Recharge Assessment)	\$8,643,213	\$9,202,137	\$9,796,166	\$10,201,063	\$11,573,746		
23		\$/AF	\$501.06	\$533.46	\$567.89	\$591.37	\$629.01		
24		Change from Previous Year							
25		\$/AF		\$32.4	\$34.4	\$23.5	\$37.6		
26		\$/ccf		\$0.07	\$0.08	\$0.05	\$0.09		
27		Pass-Through Charge, \$/ccf		\$0.07	\$0.15	\$0.20	\$0.29		
28									
29		Water Pass-Through Calculation, Merged MWD and Groundwater							
30		MWD and Groundwater Costs	\$15,246,121	\$16,036,877	\$16,972,643	\$17,736,364	\$18,067,013		
31		\$/AF	\$662.87	\$697.26	\$737.94	\$771.15	\$785.52		
32		Change from Previous Year							
33		\$/AF		\$34.4	\$40.7	\$33.2	\$14.4		
34		\$/ccf		\$0.08	\$0.09	\$0.08	\$0.03		
35		Pass-Through Charge, \$/ccf		\$0.08	\$0.17	\$0.25	\$0.28		

Notes:

- (1) Source: Oct 2016 actual multiplied by 12: as shown in Water Bill Coding doc provided by City 12/21/16.
 (2) Pass-Through charge increase in any given year is effective January 1. Revenue from pass through charge increase will be realized from water sales occurring in January through April.

Table A-6
City of Garden Grove - Water Division
Water Rate Study

Historical and Projected O&M Expenditures

Line No	PKG	PKG-NAME	ACCT	DESC	Actual (3) FY 15/16	Budget (1) FY 16/17	Estimate FY 16/17	Budget FY 17/18	FY 17/18	FY 18/19	Estimated FY 19/20	FY 20/21	FY 21/22	Notes
Salaries and Wages														
1														
2	0010	CITY COUNCIL			\$2,510	\$ 6,554.00	\$6,554	12,059	12,059	\$12,541	\$13,043	\$13,565	\$14,107	
3	0020	MANAGEMENT			76,222	75,720	75,720	79,985	79,985	83,184	86,512	89,972	93,571	
4	0023	RESRCH/LEGISLATION			66,000	61,119	61,119	60,936	60,936	63,373	65,908	68,545	71,287	
5	0030	REAL PROPERTY			0	6,804	6,804	7,473	7,473	7,772	8,083	8,406	8,742	
6	0053	REPROGRAPHICS			0	0	0	0	0	0	0	0	0	
7	0060	PUBLIC INFORMATION			0	0	0	0	0	0	0	0	0	
8	1020	GENERAL ACCOUNTING			67,077	48,576	48,576	51,859	51,859	53,933	56,091	58,334	60,668	
9	1021	FINANCIAL PLANNING			76,563	171,750	171,750	171,724	171,724	178,593	185,737	193,166	200,893	
10	1030	UTILITY BILLING			442,672	456,076	456,076	481,387	481,387	500,642	520,668	541,495	563,155	
11	2160	PLAN CHECK/PERMITS			35,130	29,741	29,741	33,328	33,328	34,661	36,048	37,489	38,989	
12	3000	PUBL WORKS GEN ADMIN			116,484	58,017	58,017	60,027	60,027	62,428	64,925	67,522	70,223	
13	3010	ENVIRONMENTAL MGMT			22,884	42,839	42,839	47,469	47,469	49,368	51,342	53,396	55,532	
14	3043	NPDES PROGRAM			22,330	22,917	22,917	23,769	23,769	24,720	25,709	26,737	27,806	
15	3114	DRAINAGE/MISC MAINT			222,996	284,200	284,200	297,940	297,940	309,858	322,252	335,142	348,548	
16	3121	TRAFFIC SIGN MAINT			81	0	0	0	0	0	0	0	0	
17	3123	TRAFFIC SIG MAINT			246	0	0	0	0	0	0	0	0	
17	3220	DEDICATED FAC/WTR			111,259	75,889	75,889	75,374	75,374	78,389	81,525	84,785	88,177	
18	3510	GROUPS MAINTENANCE			207,383	285,438	285,438	316,624	316,624	329,289	342,461	356,159	370,405	
19	3610	EQ SERV OPERATIONS			0	0	0	0	0	0	0	0	0	
20	3700	WATER OPERATIONS			3,398,788	3,762,312	3,762,312	4,056,499	4,056,499	4,218,759	4,387,509	4,563,010	4,745,530	
21	3710	WATER PRODUCTION			0	0	0	0	0	0	0	0	0	
22	6007	EMPLOYEE TRAINING			0	0	0	0	0	0	0	0	0	
23	7673							1,745,598	0	0	0	0	0	(6)
24	9800	GAS868 WATER FUND			(438,962)	0	0	0	0	0	0	0	0	
25	9807	OPEB WATER FUND			58,780	0	0	0	0	0	0	0	0	
26		OPEB ALLOC ADJ			317,045	0	0	0	0	0	0	0	0	
27		Total Salaries and Wages			\$4,805,488	\$ 5,387,952	\$5,387,952	\$7,522,051	\$5,776,453	\$6,007,511	\$6,247,812	\$6,497,724	\$6,757,633	
28						\$0	(\$317,045)							
Contractual Services														
29														
30	0030	REAL PROPERTY			\$60	\$92	\$92	92	92	\$94	\$97	\$99	\$102	
31	0042	ELECT/VOTER ASSIST			0	15,300	15,300	0	0	0	0	0	0	
32	0053	REPROGRAPHICS			0	4,600	4,600	4,600	4,600	4,715	4,833	4,954	5,078	
33	0060	PUBLIC INFORMATION			25,014	11,500	11,500	11,500	11,500	11,788	12,082	12,384	12,694	
34	1000	FINANCE ADMIN/ANAL			1,040	2,500	2,500	2,500	2,500	2,563	2,627	2,692	2,760	
35	1020	GENERAL ACCOUNTING			0	2,600	2,600	6,593	6,593	6,758	6,927	7,100	7,277	
36	1021	FINANCIAL PLANNING			14,486	6,031	6,031	11,116	11,116	11,394	11,679	11,971	12,270	
37	1024	ACCOUNTS PAYABLE			0	1,250	1,250	1,250	1,250	1,281	1,313	1,346	1,380	
38	1030	UTILITY BILLING			318,664	423,408	423,408	427,277	427,277	437,959	448,908	460,131	471,634	
39	1034	REVENUE OPERATIONS			12,026	0	0	0	0	0	0	0	0	
40	2160	PLAN CHECK/PERMITS			8,160	0	0	0	0	0	0	0	0	
41	3000	PUBL WORKS GEN ADMIN			4,132	33,166	33,166	34,480	34,480	35,342	36,226	37,131	38,059	
42	3010	ENVIRONMENTAL MGMT			9,504	921	921	964	964	988	1,013	1,038	1,064	
43	3043	NPDES PROGRAM			225,069	314,475	314,475	314,475	314,475	322,337	330,395	338,655	347,122	
44	3114	DRAINAGE/MISC MAINT			75,442	90,289	90,289	91,822	91,822	94,118	96,470	98,882	101,354	
45	3510	GROUPS MAINTENANCE			22,079	48,997	48,997	49,216	49,216	50,446	51,708	53,000	54,325	
46	3610	EQ SERV OPERATIONS			0	0	0	0	0	0	0	0	0	

Table A-6
City of Garden Grove - Water Division
Water Rate Study

Historical and Projected O&M Expenditures

Line No	PKG	PKG-NAME	ACCT	DESC	Actual (3) FY 15/16	Budget (1) FY 16/17	Estimate FY 16/17	Budget FY 17/18	FY 17/18	FY 18/19	Estimated FY 19/20	FY 20/21	FY 21/22	Notes
47	3700	WATER OPERATIONS			1,723,051	1,825,966	1,825,966	1,940,746	1,940,746	1,989,265	2,038,996	2,089,971	2,142,220	
48	3710	WATER PRODUCTION			3,116	0	0	0	0	0	0	0	0	
49	3780	WTR LTD,DEPR,O/H												
50	3780		42000	CONTRACTUAL SERV	0	3,375	3,375	0	0	0	0	0	0	
51	3780		42544	WATER REPAIR/MAINT	0	0	0	0	0	0	0	0	0	
52	3780		42681	BANK FEES	1,604	0	0	0	0	0	0	0	0	
53	3780		44920	Overhead Fee	2,371,900	2,534,900	2,534,900	2,439,100	2,439,100	2,500,078	2,562,579	2,626,644	2,692,310	2
54	3780	WTR LTD,DEPR,O/H	44950	CITY STREET DAMAGES				1,550,000						7
55	3781	WATER LTD-2010A	42000	CONTRACTUAL SERV				3,420						
56	3781	WATER LTD-2010A	44475	LONG TERM DEBT				685,000						7
57	3781		44950	City Street Damages (Intercity Loan In	719,860	870,000	869,374		830,140	521,191	492,893	463,434	432,768	2
58	3781		44950	City Street Damages (Intercity Loan Principal)			0		663,013	690,196	718,494	747,953	778,619	2
59	3781		44950	City Street Damages		680,000	680,000		719,860	737,856	756,303	775,210	794,591	2
60	3781	WATER LTD-2010A			3,017	0	0							7
61	3782	WATER LTD-2010B			3,017	0	0	3,200						7
62	3783	WATER LTD-2010C			4,108	0	0	3,530						7
63	3784	2015 WTR REV BONDS			108,973	4,815	4,815							7
64	3784	2015 WTR REV BONDS	44475	LONG TERM DEBT				885,000						7
65	5510	LEGAL SERVICES			447	0	0		0	0	0	0	0	
66	6007	EMPLOYEE TRAINING				3,175	3,175	3,175	3,175	3,254	3,336	3,419	3,505	
67	6876	800MHZ P25 RDO DEP			0	1,514	1,514	1,614	1,614	1,654	1,696	1,738	1,782	
68	6877	800MHZ VEH FND DEBT			0	4,487	4,487	4,386	4,386	4,496	4,608	4,723	4,841	
69	7359	0	42620	ENGINEERING SERVICES				1,000,000						6
70	7369	0	42000	CONTRACTUAL SERV				1,000,000						6
71	7673	0	42810	DUES/MEMBERSHIPS				400						6
72	7673	0	44020	EQUIP POOL RENTALS				81,816						6
73	9983	INFORMATION SYSTEMS			0	182	182		0	0	0	0	0	
74		ALLOW FOR BAD DEBT ADJ			(12,026)	0	0		0	0	0	0	0	
75		Enterprise Resource Program												
76		Total Contractual Services			\$5,642,742	\$6,883,543	\$6,882,917	\$10,557,272	\$7,557,919	\$7,927,772	\$7,583,182	\$7,742,477	\$7,905,754	8
77		Materials & Supplies												
78			43000	COMMODITIES	\$	\$760,197		17,432,847						3
79			43030	SEEDS/PLANTS	\$	0								
80			43050	FERTILIZER		14,450	0							
81			43090	OTHER AGR SUPPLIES		50	0							
82			43110	FOOD		188	0							
83			43120	UNIFORMS		0	0							
84			43160	BOTTLED WATER		3,695	0							
85			43180	OTHER CLOTHING ITEMS		1,998	0							
86			43190	OTHER FOOD ITEMS		0	0							
87			43210	MEDICAL SUPPLIES		91	0							
88			43220	PHOTO/BLUEPRINT SUPP		292	0							
89			43230	LABORATORY CHEMICALS		81,159	0							
90			43270	BOOKS/SUBS/CASSETTES		1,068	0	950						
91			43290	OTHER PROF SUPPLIES		72	0							
92														
93			43320	GREASE/LUBE OIL		10,520	0							

Table A-6
City of Garden Grove - Water Division
Water Rate Study

Historical and Projected O&M Expenditures

Line No	PKG	PKG-NAME	ACCT	DESC	Actual (3) FY 15/16	Budget (1) FY 16/17	Estimate FY 16/17	Budget FY 17/18	FY 17/18	FY 18/19	Estimated FY 19/20	FY 20/21	FY 21/22	Notes
94			43350	MOTOR VEH PARTS	0	0	0							
95			43410	PAINT/DYE/LUBRICANTS	3,620	0	0							
96			43420	JANITORIAL SUPPLIES	687	0	0							
97			43430	ELECTRICAL SUPPLIES	16,469	0	0							
98			43440	HSHLD EQUIP/SUPPLIES	550	0	0							
99			43450	PIPES/APURTENANCES	28,180	0	0							
100			43480	AIR COND SUPPLIES	0	0	0							
101			43490	OTHER MAINT ITEMS	355,813	0	0							
102			43510	PAPER/ENVELOPES	16,998	0	0							
103			43540	NETWORKING SUPPLIES	60	0	0							
104			43552	SOFTWARE	10,050	0	0							
105			43560	OFFICE SUPPLIES/EXP	9,851	0	0							
106			43610	GUNS/AMMUNITION	0	0	0							
107			43630	ENG/DRAFTING INST	0	0	0							
108			43635	MINOR OFFICE FURN/EQ	484	0	0							
109			43640	GEN PURPOSE TOOLS	6,845	0	0							
110			43650	MINOR FURN/EQUIP	280	0	0							
111			43660	SAFETY EQ/SUPPL-SB90	453	0	0							
112			43670	SAFETY EQ/SUPPLIES	20,494	0	0							
113			43690	OTHER MINOR TOOLS/EQ	10,558	0	0							
114			43710	ATHLETIC SUPPLIES	0	0	0							
115			43720	CRAFT SUPPLIES	0	0	0							
116			43730	AUDIO/VISUAL SUPP	0	0	0							
117			43760	AWARDS/TROPHIES	0	0	0							
118			43810	LUMBER	46	0	0							
119			43830	WIRE/METALS	0	0	0							
120			43840	HARDWARE	4,561	0	0							
121			43860	AGGREGATES/MASONRY	2,222	0	0							
122			43890	OTHER CONST SUPPLIES	667	0	0							
123			43910	SIGNS/FLAGS/BANNERS	958	0	0							
124			43980	EQUITY ASSESSMENT	0	0	0							
125			43990	MONITORED MINOR EQ	455	0	0							
126			43991	MONITORED EQUIP	0	0	0	18,570						
127				ALLOW FOR BAD DEBT ADJ	12,026	0	0							
128					\$615,910	\$760,197	\$615,910	\$17,452,367	\$709,906	\$727,654	\$745,845	\$764,491	\$783,603	3
129														
130														
131														
132			46920	GAS-WATER PROD	\$233,507	\$0	\$0							
133			46930	ELEC-WATER PROD	\$918,976	0	0							
134			46950	IMPORT WTR-MW/DOC	\$5,536,017	14,822,600	0							
135			46960	IMPORT WTR-WOCWB	\$8,232	0	0							
136			46970	WTR PUMPING-OCWD	\$5,212,929	0	0							
137			46971	GOLDEN STATE WTR	\$0	0	0							
138				Water Production Costs, FY 17/18 Unit Costs					15,246,121	15,246,121	15,246,121	15,246,121	15,246,121	
139				Increase in Water Production Costs Recovered by Pass Thru					0	790,756	1,726,522	2,490,243	2,820,892	
140				Payments of LT Debt against Net Po (\$1,400,000)										
				Reverse of 45] Capital Expenditures	\$7,592,854									

Total Materials and Supplies

Water Production Expenses

Table A-6
City of Garden Grove - Water Division
Water Rate Study

Historical and Projected O&M Expenditures

Line No	PKG	PKG-NAME	ACCT	DESC	Actual (3) FY 15/16	Budget (1) FY 16/17	Estimate FY 16/17	Budget FY 17/18	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Notes
141				Payments of LT Debt against Princip	\$1,400,000									
142				Acct# 25] 28] - Capital Investment o	(\$7,584,166)									
143		Total Water Production Expenses			\$11,918,348	\$14,822,600	\$13,704,681	\$0	\$15,246,121	\$16,036,877	\$16,972,643	\$17,736,364	\$18,067,013	3, 4
144														
145														
146		Depreciation & Amortization												
147			44340	AMORTIZATION	(\$43,595)	\$13,610	\$13,610	14,847	14,847	\$14,847	\$14,847	\$14,847	\$14,847	
148			44910	DEPRECIATION	3,008,256	3,150,000	3,150,000	3,244,500	3,244,500	3,244,500	3,244,500	3,244,500	3,244,500	
149		Total Depreciation & Amortization			\$2,964,660	\$3,163,610	\$3,163,610	3,259,347	\$3,259,347	\$3,259,347	\$3,259,347	\$3,259,347	\$3,259,347	
150		Total Operating Expenses			\$25,947,149	\$31,017,902	\$29,755,069	\$38,791,037	\$32,549,746	\$33,959,161	\$34,808,828	\$36,000,403	\$36,773,350	9
151		Less Depreciation and Amortization			(\$2,964,660)	(\$3,163,610)	(\$3,163,610)	(\$3,259,347)	(\$3,259,347)	(\$3,259,347)	(\$3,259,347)	(\$3,259,347)	(\$3,259,347)	
152		Total O&M Expenses			\$22,982,488	\$27,854,292	\$26,591,459	\$35,531,690	\$29,290,399	\$30,699,814	\$31,549,481	\$32,741,056	\$33,514,003	

NOTES

- (1) Source through FY 16/17: Water Utility Revenue Expenditures.xls provided by City of Garden Grove
- (2) Street repair per City staff July 28, 2017. Refer to Table A-9 for Intercity Loan interest and principal payments
- (3) FY 17/18 per the City's budget. Budget Summary spreadsheet provided by the City, July 2017, merged these costs with Water Production Costs. In this table, Water Production Costs and Commodity costs are separate
- (4) Refer to Imported Water Costs Table A-7.
- (5) Source FY 15/16: Water Utility Revenue Expenditures.xls provided by City of Garden Grove 1/23/17
- (6) This expense is funded out of Fund 602 or 603, and is not considered an Operations and Maintenance expense, for the purposes of this rate study
- (7) Long Term Debt costs are excluded from this Operation and Maintenance expense table, and are instead shown in Table A-9.
- (8) One-time expense in FY 18/19, per City staff, 7/18/17
- (9) The FY 17/18 budget includes capital and replacement items in addition to operating expenses

Table A-7
City of Garden Grove - Water Division
Water Rate Study
Imported Water Costs at FY 17/18 Unit Costs

Line No		FY 13/14	Actual (1) FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Projected (1) (2) FY 19/20	FY 20/21	FY 21/22	Notes
1	Water Supply										
2	Supply Allocation, AF	26,000	24,062	21,518	22,000	23,000	23,000	23,000	23,000	23,000	
3	Percent % Groundwater	70%	72%	75%	75%	75%	75%	75%	75%	75%	
4	Percent % Purchased	30%	28%	25%	25%	25%	25%	25%	25%	25%	
5	AF Groundwater	18,200	17,422	16,180	16,500	17,250	17,250	17,250	17,250	17,250	
6	AF Purchased, AF										
7	MWD Imported	5,143		3,301	5,500	5,750	5,750	5,750	5,750	5,750	
8	MWD Imported Water (July-Dec)		4,112								
9	MWD Imported Water (Jan-June)		1,816								
10	Well #28 Basin Equity Exemption	2,657									
11	MWD Conjointive Use Program, CUP		713	2,037							
12											
13	Water Supply Unit Costs										
14	MWD Imported Water Charge, \$/AF	\$893.25		\$942.00	\$979.00	\$1,015.00	\$1,015.00	\$1,015.00	\$1,015.00	\$1,015.00	
15	MWD Imported Water Charge, \$/AF (July-Dec)		\$890.50								
16	MWD Imported Water Charge, \$/AF (Jan-June)		\$923.50								
17	Well #28 Basin Equity Exemption - \$/AF	\$644.00									
18	MWD Conjointive Use Program CUP \$/AF		\$788.50	\$819.00							
19	RA: Pumped Water, \$/AF	\$276.00	\$294.00	\$322.00	\$402.00	\$422.10	\$422.10	\$422.10	\$422.10	\$422.10	
20	Water Pumping Costs, \$/AF	\$56.49	\$49.83	\$51.32	\$52.86	\$54.45	\$54.45	\$54.45	\$54.45	\$54.45	
21											
22	MWD Imported Water Costs										
23	MWD Imported Water Charge, \$	\$4,593,985		\$3,109,919	\$5,384,500	\$5,836,250	\$5,836,250	\$5,836,250	\$5,836,250	\$5,836,250	
24	MWD Imported Water Charge, (July-Dec)		\$3,661,291								
25	MWD Imported Water Charge, (Jan-June)		\$1,677,261								
26	Well #28 Basin Equity Exemption	\$1,711,108									
27	MWD Conjointive Use Program, CUP		\$562,200.50	\$1,668,303.00							
28	Calculated MWD Imported Water Charge, \$	\$6,305,093	\$5,901,013	\$3,109,942	\$5,384,500	\$5,836,250	\$5,836,250	\$5,836,250	\$5,836,250	\$5,836,250	
29	MWD Readiness to Serve Charge	\$722,052	\$823,269	\$750,859	\$353,149	\$266,094	\$266,094	\$266,094	\$266,094	\$266,094	
30	MWD Capacity Charge				\$93,900	\$100,260	\$100,260	\$100,260	\$100,260	\$100,260	
31	MWD Connection Charge	\$287,330	\$358,229	\$366,263	\$367,942	\$400,304	\$400,304	\$400,304	\$400,304	\$400,304	
32	# of Connections	34,206	34,117	33,757	33,602	34,196	34,196	34,196	34,196	34,196	
33	\$/Connection	\$8.40	\$10.50	\$10.85	\$10.95	\$11.50	\$11.50	\$11.50	\$11.50	\$11.50	
34	Subtotal, MWD Imported Water Costs	\$7,314,475	\$7,082,249	\$5,895,344	\$6,199,491	\$6,602,908	\$6,602,908	\$6,602,908	\$6,602,908	\$6,602,908	
35											
36	RA Pumped Water Annual Cost	\$5,023,200	\$5,122,068	\$5,210,089	\$6,633,000	\$7,676,250	\$7,676,250	\$7,676,250	\$7,676,250	\$7,676,250	
37	Water Pumping Costs, Annual (3)	1,028,118	868,138	830,378	872,190	966,963	966,963	966,963	966,963	966,963	
38	Total Imported Water Costs	\$13,365,793	\$13,072,455	\$11,935,811	\$13,704,681	\$15,246,121	\$15,246,121	\$15,246,121	\$15,246,121	\$15,246,121	

- Notes
- (1) Source: Unless noted otherwise, Projected Purchased Water Costs, FY 16/17 from the City of Garden Grove.
 - (2) Data Source: Projected Purchased Water Costs, 6.5.17 from City Staff, 6/5/17.
 - (3) FY 17/18 Pumping Costs are calculated so that the total Water Production Cost equals that shown in the City's FY 17/18 budget.

Table A-8
City of Garden Grove - Water Division
Water Rate Study
Imported Water Costs at Projected Future Unit Costs

Line No		FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Notes
1	Water Supply						
2	Supply Allocation, AF	23,000	23,000	23,000	23,000	23,000	
3	Percent % Groundwater	75%	75%	75%	75%	80%	
4	Percent % Purchased	25%	25%	25%	25%	20%	
5	AF Groundwater	17,250	17,250	17,250	17,250	18,400	
6	AF Purchased, AF						
7	MWD Imported	5,750	5,750	5,750	5,750	4,600	
8							
9	Water Supply Unit Costs						
10	MWD Imported Water Charge, \$/AF	\$1,015.00	\$1,053.00	\$1,092.00	\$1,123.00	\$1,164.00	
11	RA: Pumped Water, \$/AF	\$422.10	\$443.21	\$465.37	\$488.63	\$488.63	
12	Water Pumping Costs, \$/AF	\$54.45	\$56.08	\$57.76	\$59.49	\$59.49	
13							
14	MWD Imported Water Costs						
15	Calculated MWD Imported Water Charge, \$	\$5,836,250	\$6,128,063	\$6,434,466	\$6,756,189	\$5,675,199	
16	MWD Readiness to Serve Charge	\$266,094	\$279,399	\$293,369	\$308,037	\$323,439	
17	MWD Capacity Charge	\$100,260	\$0	\$0	\$0	\$0	(2)
18	MWD Connection Charge	\$400,304	427,279	448,643	471,075	494,629	
19	# of Connections	34,196	34,196	34,196	34,196	34,197	
20	\$/Connection	\$11.50	\$12.07	\$12.68	\$13.31	\$14.31	
21	Subtotal, MWD Imported Water Costs	\$6,602,908	\$6,834,740	\$7,176,477	\$7,535,301	\$6,493,266	
22							
23	RA Pumped Water Annual Cost	\$7,676,250	\$8,211,000	\$8,780,250	\$9,159,750	\$10,506,400	
24	Water Pumping Costs, Annual (4)	966,963	991,137	1,015,916	1,041,313	1,067,346	
25	Total Imported Water Costs	\$15,246,121	\$16,036,877	\$16,972,643	\$17,736,364	\$18,067,013	
26							
27	Change from FY 17/18						
28	MWD Imported Water Costs	\$0	\$231,832	\$573,569	\$932,393	(\$109,642)	
29	Groundwater Costs	\$0	\$558,924	\$1,152,953	\$1,557,850	\$2,930,533	
30	Total	\$0	\$790,756	\$1,726,522	\$2,490,243	\$2,820,892	

Notes

- (1) Source: Unless noted otherwise, Projected Purchased Water Costs, FY 16/17 from the City of Garden Grove. MWD Imported Water Costs, in \$/AF, from 2018 forward, from MWD's 2016 Ten-Year Financial Forecast (Attachment 2 to 2016/2017 and 2017/2018 Biennial Budget.)
- (2) Capacity Charge beginning FY 18/19 projected to increase at 3% per year. This is approximately equal to the rate of inflation used in the MWD Ten-Year Financial Forecast
- (3) Data Source: Projected Purchased Water Costs_6.5.17 from City Staff, 6/5/17.
- (4) FY 17/18 Pumping Costs are calculated so that the total Water Production Cost equals that shown in the City's FY 17/18 budget. Subsequent year pumping cost is increased by General Inflation.

Table A-9
City of Garden Grove – Water Division
Water Rate Study

Existing and Future Debt Service											
Line No	Existing Revenue Bond Debt Service	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24		
1	Revenue Bond 2010A	\$910,163	\$918,638	\$914,263	\$906,913	\$909,413	\$905,038	\$911,506	\$906,550		
2	Revenue Bond 2010B (Balloon 12/15/28 \$4.125M)	258,349	258,349	258,349	258,349	258,349	258,349	258,349	258,349		
3	Revenue Bond 2010C (Balloon 12/15/30 \$3.195M)	204,129	204,129	204,129	204,129	204,129	204,129	204,129	204,129		
4	Revenue and Refunding Bonds 2015	1,003,850	1,006,350	998,550	1,010,350	1,001,750	1,002,850	1,013,450	939,300		
5	2010 Bonds Premium Amortization	4,853	4,853	4,853	4,853	4,853	4,853	4,853	4,853		
6	2015 Bonds Premium Amortization	11,135	14,847	14,847	14,847	14,847	14,847	14,847	7,424		
7	Total	\$2,392,478	\$2,407,164	\$2,394,989	\$2,399,439	\$2,393,339	\$2,390,064	\$2,407,133	\$2,320,603		
8											
9											
10	Proposed Debt Service						Total Principal and Interest Payment				
11	CIEDB		\$0	\$0	\$0	\$0	\$0	\$0	\$0		
12	CIEDB			0	0	0	0	0	0		
13	CIEDB				0	0	0	0	0		
14	CIEDB					0	0	0	0		
15	CIEDB						0	0	0		
16	CIEDB							0	0		
17	CIEDB								0		
18	Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0		
19											
20	Revenue Bond/Private Placement										
21	Revenue Bond/Private Placement		\$0	\$0	\$0	\$0	\$0	\$0	\$0		
22	Revenue Bond/Private Placement			1,120,634	1,120,634	1,120,634	1,120,634	1,120,634	1,120,634		
23	Revenue Bond/Private Placement				0	0	0	0	0		
24	Revenue Bond/Private Placement					0	0	0	0		
25	Revenue Bond/Private Placement						0	0	0		
26	Revenue Bond/Private Placement							0	0		
27	Total		\$0	\$1,120,634	\$1,120,634	\$1,120,634	\$1,120,634	\$1,120,634	\$1,120,634		
28											
29	Intercity Loan Debt Service										
30	Outstanding Principal Beginning year	\$13,374,978	\$13,374,978	\$12,711,965	\$12,021,769	\$11,303,274	\$10,555,322	\$9,776,703	\$8,966,161		
31	Interest Rate (1)	6.50%	4.10%	4.10%	4.10%	4.10%	4.10%	4.10%	4.10%		
32	Interest Payment	\$869,374	\$548,374	\$521,191	\$492,893	\$463,434	\$432,768	\$400,845	\$367,613		
33	Principal Payment	0	663,013	690,196	718,494	747,953	778,619	810,542	843,774		
34	Outstanding Principal, End of Year	\$13,374,978	\$12,711,965	\$12,021,769	\$11,303,274	\$10,555,322	\$9,776,703	\$8,966,161	\$8,122,386		

Note:

(1) Interest rate changed to 4.1% beginning FY 17/18 per City Staff 11/9/2017

Table A-10
City of Garden Grove - Water Division
Water Rate Study

Water Utility Operating Statement						
Line No		FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22 Notes
FUND 601 (WATER OPERATIONS) SOURCES OF FUNDS						
1	Beginning of Year Balance, Fund 601					
2		\$8,610,247	\$8,427,620	\$7,312,240	\$7,308,926	\$8,443,710
3						
4	Rate Revenues					
5	Water Sales Revenues under Existing Rates	\$29,880,011	\$29,880,011	\$29,880,011	\$29,880,011	\$29,880,011 (1)
6						
7	Additional Revenues From Rate Increases					(7)
8						
9	Fiscal Year					
10	FY 17/18					
11	FY 18/19	1,235,040	3,705,121	3,705,121	3,705,121	3,705,121 (7)
12	FY 19/20		1,265,040	3,795,120	3,795,120	3,795,120 (7)
13	FY 20/21		436,103	1,308,309	1,308,309	1,308,309 (7)
14	FY 21/22			451,367	1,354,100	1,354,100 (7)
15	Total Additional Revenues	\$1,235,040	\$4,970,161	\$7,936,344	\$9,259,917	467,164 (7)
16						
17	Total Rate Revenues	\$31,115,051	\$34,850,172	\$37,816,355	\$39,139,928	\$40,509,825 (2)
18						
19	Other Income					
20	Other Water Sales Revenue	\$154,500	\$4,500	\$4,500	\$4,500	\$4,500
21	Other Revenues	25,000	25,000	25,000	25,000	25,000
22	Non-Operating Revenues	220,385	220,385	220,385	220,385	220,385
23	Total Other Income	\$399,885	\$249,885	\$249,885	\$249,885	\$249,885
24						
25	Total Revenues	\$31,514,936	\$35,100,057	\$38,066,240	\$39,389,813	\$40,759,710
26						
27	Total Sources of Funds	\$40,125,183	\$43,527,677	\$45,378,480	\$46,698,739	\$49,203,420
28	FUND 601 USES OF FUNDS					
29	O&M Expenditures					
30	Salaries & Wages	\$5,776,453	\$6,007,511	\$6,247,812	\$6,497,724	\$6,757,633
31	Contractual Services	7,557,919	7,927,772	7,583,182	7,742,477	7,905,754
32	Materials & Supplies	709,906	727,654	745,845	764,491	783,603
33	Water Production Expenses	15,246,121	16,036,877	16,972,643	17,736,364	18,067,013
34	Subtotal O&M Expenditures	\$29,290,399	\$30,699,814	\$31,549,481	\$32,741,056	\$33,514,003 (4)
35						
36	Debt Service					
37	Future CIEDB Debt Service					

Table A-10
City of Garden Grove - Water Division
Water Rate Study

Water Utility Operating Statement

Line No		FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Notes
38	Existing Revenue Bond Debt Service	\$2,407,164	\$2,394,989	\$2,399,439	\$2,393,339	\$2,390,064	
39	Future Revenue Bond Debt Service	0	1,120,634	1,120,634	1,120,634	1,120,634	
40	Subtotal Debt Service	\$2,407,164	\$3,515,623	\$3,520,073	\$3,513,973	\$3,510,698	
41							
42	Transfer to Fund 602	\$0	\$0	\$0	\$0	\$0	
43	Transfer to Fund 603	\$0	\$2,000,000	\$3,000,000	\$2,000,000	\$2,000,000	
44							
45	Total Uses of Funds	\$31,697,563	\$36,215,438	\$38,069,554	\$38,255,030	\$39,024,701	
46							
47	End of Year Balance, Fund 601	\$8,427,620	\$7,312,240	\$7,308,926	\$8,443,710	\$10,178,719	
48							
49	FINANCIAL PERFORMANCE INDICATORS						
50	End of Year (EOY) Reserve Balance Criteria #1						
51	EOY601 Fund Reserve Balance	\$8,427,620	\$7,312,240	\$7,308,926	\$8,443,710	\$10,178,719	
52	Target Reserve Balance						
53	2 Months O&M Expenses	\$4,881,733	\$5,116,636	\$5,258,247	\$5,456,843	\$5,585,667	
54	Plus \$500,000 for Contingencies	500,000	500,000	500,000	500,000	500,000	
55	Subtotal	\$5,381,733	\$5,616,636	\$5,758,247	\$5,956,843	\$6,085,667	
56	Exceeds Target?	Yes	Yes	Yes	Yes	Yes	
57							
58	End of Year (EOY) Reserve Balance Criteria #2						
59	Criteria: Total combined fund 601,602,603 Reserves						
60	Combined EOY 601,602,603 Balance	\$13,936,280	\$23,415,602	\$19,667,032	\$16,072,197	\$13,093,770	
61	Target Reserve Balance						
62	2 months O&M Expenses	4,881,733	5,116,636	5,258,247	5,456,843	5,585,667	
63	Plus \$500,000 for Contingencies	500,000	500,000	500,000	500,000	500,000	
64	Plus 5% of Net Plant (3)	6,940,000	6,940,000	6,940,000	6,940,000	6,940,000	
65	Subtotal	\$12,321,733	\$12,556,636	\$12,698,247	\$12,896,843	\$13,025,667	
66	Exceeds Target?	Yes	Yes	Yes	Yes	Yes	
67	Available Reserves for Capital Projects	\$1,614,547	\$10,858,966	\$6,968,786	\$3,175,354	\$68,103	
68							
69	Debt Service Coverage Ratio						
70	Gross Revenue	\$32,019,126	\$35,648,373	\$38,649,598	\$39,988,807	\$41,374,888	
71	Less O&M Expenses	(\$27,797,246)	(\$29,488,427)	(\$30,338,094)	(\$31,529,669)	(\$32,302,616)	(4)
72	Revenue Available for Debt Service	\$4,221,880	\$6,159,946	\$8,311,504	\$8,459,138	\$9,072,272	
73							
74	Revenue Bond Debt Service	\$2,407,164	\$3,515,623	\$3,520,073	\$3,513,973	\$3,510,698	

Table A-10
City of Garden Grove - Water Division
Water Rate Study

Water Utility Operating Statement

Line No		FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Notes
75	Debt Service Coverage Ratio	1.75	1.75	2.36	2.41	2.58	
76							
77	FUND 602 (WATER CAPITAL) SOURCES OF FUNDS						
78	Beginning of Year Balance, Fund 602	\$8,744,205	\$5,395,365	\$15,465,650	\$11,195,978	\$6,941,942	
79							
80	Capital Improvement Charge						
81	Revenues Under Existing Rates	\$353,000	\$353,000	\$353,000	\$353,000	\$353,000	
82							
83	Additional Rate Revenues						(7)
84							
85	Fiscal Year % Increase						
86	FY 17/18	14,591	43,772	43,772	43,772	43,772	(7)
87	FY 18/19		14,945	44,835	44,835	44,835	(7)
88	FY 19/20			5,152	15,456	15,456	(7)
89	FY 20/21				5,332	15,997	(7)
90	FY 21/22					5,519	(7)
91	Total Additional Revenues Required	\$14,591	\$58,717	\$93,759	\$109,395	\$125,579	
92							
93	Other Revenues	\$104,699	\$104,699	\$104,699	\$104,699	\$104,699	
94	CIEDB Debt Proceeds	0	0	0	0	0	
95	Revenue Bond Debt Proceeds	0	15,375,000	0	0	0	
96	Transfer From Fund 601	0	0	0	0	0	
97	Total Sources of Funds, 602	\$9,216,495	\$21,286,781	\$16,017,108	\$11,763,072	\$7,525,220	
98							
99	FUND 602 (WATER CAPITAL) USES OF FUNDS						
100	Capital Improvements	\$3,821,130	\$3,821,130	\$3,821,130	\$3,821,130	\$3,821,130	(5)
101	Transfer to Fund 603	0	2,000,000	1,000,000	1,000,000	1,000,000	
102	Capitalized Labor	0	0	0	0	0	
103	Total Use of Funds	\$3,821,130	\$5,821,130	\$4,821,130	\$4,821,130	\$4,821,130	
104							
105	Ending Year Fund Balance, Fund 602	\$5,395,365	\$15,465,650	\$11,195,978	\$6,941,942	\$2,704,089	
106							
107	FUND 603 (WATER REPLACEMENT) SOURCES OF FUNDS						
108	Beginning of Year Balance, Fund 603	\$3,588,879	\$113,295	\$637,712	\$1,162,129	\$686,545	
109							
110	Other Revenues (Interest)	\$31,900	\$31,900	\$31,900	\$31,900	\$31,900	
111	Transfer From Fund 601	0	2,000,000	3,000,000	2,000,000	2,000,000	

Table A-10
City of Garden Grove - Water Division
Water Rate Study

Water Utility Operating Statement							
Line No		FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Notes
112	Transfer From Fund 602	0	2,000,000	1,000,000	1,000,000	1,000,000	
113	Total Sources of Funds, 603	\$3,620,778	\$4,145,195	\$4,669,612	\$4,194,028	\$3,718,445	
114							
115	FUND 603 (WATER REPLACEMENT) USES OF FUNDS						
116	Replacement Expenditures	\$3,507,483	\$3,507,483	\$3,507,483	\$3,507,483	\$3,507,483	(6)
117	Capitalized Labor	0	0	0	0	0	
118	Total Use of Funds	\$3,507,483	\$3,507,483	\$3,507,483	\$3,507,483	\$3,507,483	
119							
120	Ending Year Fund Balance, Fund 603	\$113,295	\$637,712	\$1,162,129	\$686,545	\$210,962	

Notes

- (1) Includes all revenues from the Monthly Minimum Charge and the Commodity Charge, including revenues currently labelled as: "Water Costs".
 - (2) Includes a portion of the Commodity Delivery Charge that is adjusted on an annual basis, based on changes in water production expenses
 - (3) Five percent of Net Plant is calculated as 5% of \$138.8M, cost of original plant, per City.
 - (4) O&M expenses for purposes of debt service coverage calculation do not include intercity loan interest and intercity loan principal
 - (5) The O&M expenses in the debt service calculation will differ from the O&M expense on line 35 above
 - (6) Equals five-year capital cost estimate of \$19,105,652 spread evenly over the five-year period.
 - (7) Equals five-year replacement cost estimate of \$17,537,415 spread evenly over the five-year period.
- Revenues from Rate Increases are shown as percentage increases over current revenues and do not reflect the proposed rate structure shown in Table C-1.

Appendix B: Cost-of-Service Analysis

Table B-1
City of Garden Grove - Water Division
Water Rate Study

Water System Cost-of-Service Analysis, FY 17/18 - Functionalization Factors

Line No.	Functionalization Factors	Total	Pumping	Storage	T&D	Customer	Meter	Admin	Rate Tier Calculation	Fire Protection	Notes
1	Direct: Pumping	100.0%	100.0%								Direct: Pumping
2	Direct: Storage	100.0%		100.0%							Direct: Storage
3	Direct: T&D	100.0%			100.0%						Direct: T&D
4	Direct: Customer	100.0%				100.0%					Direct: Customer
5	Direct: Meter	100.0%					100.0%				Direct: Meter
6	Direct: Admin	100.0%						100.0%			Direct: Admin
7	Direct: Rate Tier Calculation	100.0%							100.0%		Direct: Rate Tier Calculation
8	Direct: Fire Protection	100.0%								100.0%	Direct: Fire Protection
9	Direct: Wells, Reservoirs	100.0%									Direct: Wells, Reservoirs
10	Direct: Water Master Plan	100.0%									Direct: Water Master Plan
11	Direct: T&D and Customer	100.0%									Direct: T&D and Customer
12	Debt Service: % (2)	100.0%									Debt Service
13	Recurring Capital After CA Year 5 (3)	100.0%									Recurring Capital After CA Year 5
14	Package 3700 Labor: (4)	100.0%									Package 3700 Labor
15	Package 3114 - Drainage/Misc Maintenance (5)	100.0%									Package 3114
16	Package 3700 Contractual Expense										Package 3700 Contractual Expense
17	Materials and Supplies, Amount	\$709,906	\$98,951	\$23,697	\$274,726	\$96,237	\$16,553	\$0	\$196,642	\$3,100	Materials and Supplies
18	Materials and Supplies, Percentage	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	Materials and Supplies
19	Rate Revenue Requirement										Rate Revenue Requirement
20	Phase 1 CIP, Amount	\$37,857,916	\$2,001,692	\$17,478,382	\$3,881,972	\$0	\$12,209,386	\$0	\$0	\$2,286,483	Phase 1 CIP
21	Phase 1 CIP, Percentage	100.0%	5.3%	46.2%	10.3%	0.0%	32.3%	0.0%	0.0%	6.0%	Phase 1 CIP
22	Water Production, Amount (6)	\$15,246,121	\$439,147						\$14,806,974		Water Production
23	Water Production, Percentage	100.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	97.1%	0.0%	Water Production

Notes for Tables B-1 through B-5

(1) Refer to Table B-2

(2) Refer to Table B-3

(3) Refer to Table B-3

(4) Refer to Table B-10

(5) Per City staff (7/11/17), this is miscellaneous maintenance performed by the Street Department repairing trenches and sidewalks following maintenance of water system facilities.

(6) Per City staff (7/11/17), natural gas expenses are approximately 70% booster pumping and 30% source production, and electricity expenses are 70% source production and 30% pumping.

Table B-3
City of Garden Grove - Water Division
Water Rate Study

Water System Cost-of-Service Analysis - Functionalization of Phase 1 CIP

Line	Project	Total Phase 1							Rate Tier	Fire	Total
		Capital	Spending	Pumping	Storage	T&D	Customer	Meter			
1	Replace Misc. Distribution System Appurtenances (BOARV, Vac)	\$286,232				100%					100%
2	Service Line Replacements	7,068,075						100%			100%
3	Fire Hydrant Replacements	1,866,270								100%	100%
4	Meter Replacements	5,141,311						100%			100%
5	Gate Valve Replacements	3,175,527				100%					100%
6	Site Modifications to Place Manually Operated Wells on SCADA	628,506		25%	25%	25%				25%	100%
7	Portable Back-up Power Units	1,047,510		100%							100%
8	Reservoir Rehabilitations - Near Term West Haven Reservoir Projects	4,599,808			100%						100%
9	Reservoir Rehabilitations - Trask Reservoirs Medium and High Priorities	1,055,106			100%						100%
10	Reservoir Rehabilitations - Trask Reservoirs Low Priorities	1,943,366			100%						100%
11	Trask Reservoir Site Mechanical and Security - High and Medium Prior	183,763			100%						100%
12	Reservoir Rehabilitations - Magnolia Reservoir Medium and High Prior	549,598			100%						100%
13	Reservoir Rehabilitations - Magnolia Reservoir Low Priorities	1,691,723			100%						100%
14	Magnolia Reservoir Site Mechanical and Security - High and Medium P	113,874			100%						100%
15	Magnolia Reservoir Site Mechanical and Security - Low Priority	3,383			100%						100%
16	Reservoir Rehabilitations West Garden Grove Reservoir Medium and H	988,389			100%						100%
17	Reservoir Rehabilitations West Garden Grove Reservoir Low Priorities	3,171,980			100%						100%
18	West Garden Grove Reservoir Site Mechanical and Security - High & M	64,708			100%						100%
19	Reservoir Rehabilitations - Lampson Reservoir Medium and High Prior	1,513,246			100%						100%
20	Reservoir Rehabilitations - Lampson Reservoir Low Priorities	338,345			100%						100%
21	Lampson Reservoir Site Mechanical and Security - High & Medium Prio	55,247			100%						100%
22	Exhaust Stack Corrections	22,129		100%							100%
23	West GG Sumps	511,840		100%							100%
24	Underground Vault Rehabilitation	785,633			100%						100%
25	Asset Management Study	327,347		25%	25%	25%				25%	100%
26	Masterplan Update	550,000		25%	25%	25%				25%	100%
27	Cyber Security	175,000		25%	25%	25%				25%	100%
Total		\$37,857,916		\$2,001,692	\$17,478,382	\$3,881,972	\$0	\$12,209,386	\$0	\$2,286,483	\$37,857,916
As Percent				5%	46%	10%	0%	32%	0%	6%	100%

Note: functionalization percentages developed by FG Solutions based on project descriptions provided by West Yost and the City, and conversations with West Yost and the City

Table B-4
City of Garden Grove – Water Division
Water Rate Study

Water System Cost-of-Service Analysis, FY 17/18 - Functionalization of Debt Service Payments

Line	Debt Issuance (1)	Five Year Total, \$	Pumping	Storage	T&D	Customer	Meter	Admin	Rate Tier Calculation	Fire Protection	Total
1	Existing Debt (1)										
2	Revenue Bond 2010A	\$4,554,263	10%	40%	40%				10%		100%
3	Revenue Bond 2010B	\$1,291,744	10%	40%	40%				10%		100%
4	Revenue Bond 2010C	\$1,020,643	10%	40%	40%				10%		100%
5	Revenue and Refunding Bonds 2015	\$5,019,850	10%	40%	40%				10%		100%
6	2010 Bonds Premium Amortization	\$24,263	10%	40%	40%				10%		100%
7	2015 Bonds Premium Amortization	\$74,236	10%	40%	40%				10%		100%
8											
9	Future Debt										
10	Revenue Bond	\$4,482,536	5.3%	46.2%	10.3%	0.0%	32.3%	0.0%	0.0%	6.0%	100%
11	Total	\$16,467,533	\$1,435,508	\$6,863,513	\$5,253,641	\$0	\$1,445,642	\$0	\$1,198,500	\$270,729	
12	As Percent	100%	8.7%	41.7%	31.9%	0.0%	8.8%	0.0%	7.3%	1.6%	

Notes:

(1) Refer to Table B-11 for a description of how functionalization percentages were developed.

Table B-5
City of Garden Grove - Water Division
Water Rate Study

Water System Cost-of-Service Analysis, FY 17/18 - Functionalization of O & M Expenses

Line No.	Line Description	FY 17/18										Table B-1			Functionalization Factor
		Total	Pumping	Storage	T&D	Customer	Meter	Admin	Rate Tier Calculations	Fire Protection	Line No. Reference				
1	Salaries and Wages														
2	0010 - CITY COUNCIL	\$12,059	\$0	\$0	\$0	\$0	\$0	\$12,059	\$0	\$0	6				Direct: Admin
3	0020 - MANAGEMENT	79,985	0	0	0	0	0	79,985	0	0	6				Direct: Admin
4	0023 - RESRCH/LEGISLATION	60,936	0	0	0	0	0	60,936	0	0	6				Direct: Admin
5	0030 - REAL PROPERTY	7,473	0	0	0	0	0	7,473	0	0	6				Direct: Admin
6	0053 - REPROGRAPHICS	0	0	0	0	0	0	0	0	0	6				Direct: Admin
7	0060 - PUBLIC INFORMATION	0	0	0	0	0	0	0	0	0	6				Direct: Admin
8	1020 - GENERAL ACCOUNTING	51,859	0	0	0	0	0	51,859	0	0	6				Direct: Admin
9	1021 - FINANCIAL PLANNING	171,724	0	0	0	0	0	171,724	0	0	6				Direct: Admin
10	1030 - UTILITY BILLING	481,387	0	0	0	0	0	481,387	0	0	6				Direct: Admin
11	2160 - PLAN CHECK/PERMITS	33,328	0	0	0	0	0	33,328	0	0	6				Direct: Admin
12	3000 - PUBL WORKS GEN ADMIN	60,027	0	0	0	0	0	60,027	0	0	6				Direct: Admin
13	3010 - ENVIRONMENTAL MGMT	47,469	0	0	0	0	0	47,469	0	0	6				Direct: Admin
14	3043 - NPDES PROGRAM	23,769	0	0	0	0	0	23,769	0	0	6				Direct: Admin
15	3114 - DRAINAGE/MISC MAINT	297,940	0	0	148,970	148,970	0	0	0	0	15				Package 3114
16	3121 - TRAFFIC SIGN MAINT	0	0	0	0	0	0	0	0	0	14				Package 3700 Labor
17	3123 - TRAFFIC SIG MAINT	0	0	0	0	0	0	0	0	0	14				Package 3700 Labor
18	3220 - DEDICATED FAC/WTR	75,374	11,862	2,841	32,934	11,537	1,984	0	13,844	372	14				Package 3700 Labor
19	3510 - GROUNDS MAINTENANCE	316,624	0	316,624	0	0	0	0	0	0	2				Direct: Storage
20	3610 - EQ SERV OPERATIONS	0	0	0	0	0	0	0	0	0	14				Package 3700 Labor
21	3700 - WATER OPERATIONS	4,056,499	638,401	152,883	1,772,455	620,893	106,795	0	745,071	20,000	14				Package 3700 Labor
22	3710 - WATER PRODUCTION	0	0	0	0	0	0	0	0	0	14				Package 3700 Labor
23	6007 - EMPLOYEE TRAINING	0	0	0	0	0	0	0	0	0	6				Direct: Admin
24	9800 - GAS/68 WATER FUND	0	0	0	0	0	0	0	0	0	14				Package 3700 Labor
25	9807 - OPEB WATER FUND	0	0	0	0	0	0	0	0	0	14				Package 3700 Labor
26	- OPEB ALLOC ADJ	0	0	0	0	0	0	0	0	0	14				Package 3700 Labor
27															
28	Contractual Services														
29	0030 - REAL PROPERTY	92	0	0	92	0	0	0	0	0	3				Direct: T&D
30	0042 - ELECT/VOTER ASSIST	0	0	0	0	0	0	0	0	0	4				Direct: Customer
31	0053 - REPROGRAPHICS	4,600	0	0	0	0	0	4,600	0	0	6				Direct: Admin
32	0060 - PUBLIC INFORMATION	11,500	0	0	0	11,500	0	0	0	0	4				Direct: Customer
33	1000 - FINANCE ADMIN/ANAL	2,500	0	0	0	0	0	2,500	0	0	6				Direct: Admin
34	1020 - GENERAL ACCOUNTING	6,593	0	0	0	0	0	6,593	0	0	6				Direct: Admin
35	1021 - FINANCIAL PLANNING	11,116	0	0	0	0	0	11,116	0	0	6				Direct: Admin
36	1024 - ACCOUNTS PAYABLE	1,250	0	0	0	0	0	1,250	0	0	6				Direct: Admin
37	1030 - UTILITY BILLING	427,277	0	0	0	427,277	0	0	0	0	4				Direct: Customer
38	1034 - REVENUE OPERATIONS	0	0	0	0	0	0	0	0	0	6				Direct: Admin
39	2160 - PLAN CHECK/PERMITS	0	0	0	0	0	0	0	0	0	4				Direct: Customer
40	3000 - PUBL WORKS GEN ADMIN	34,480	0	0	0	0	0	34,480	0	0	6				Direct: Admin
41	3010 - ENVIRONMENTAL MGMT	964	0	0	0	0	0	964	0	0	6				Direct: Admin
42	3043 - NPDES PROGRAM	314,475	0	0	0	0	0	314,475	0	0	6				Direct: Admin
43	3114 - DRAINAGE/MISC MAINT	91,822	0	0	45,911	45,911	0	0	0	0	15				Package 3114
44	3510 - GROUNDS MAINTENANCE	49,216	0	49,216	0	0	0	0	0	0	2				Direct: Storage
45	3610 - EQ SERV OPERATIONS	0	0	0	0	0	0	0	0	0	6				Direct: Admin

Cost of Service

46	3700 - WATER OPERATIONS	1,940,746	238,776	57,182	662,936	398,007	39,944	257,749	278,673	7,480	16	Package 3700 Contractual Expense Direct: Rate Tier Calculation
47	3710 - WATER PRODUCTION	0	0	0	0	0	0	0	0	0	7	
48	WTR LTD,DEPR,O/H	0	0	0	0	0	0	0	0	0	6	Direct: Admin
49	CONTRACTUAL SERV	0	0	0	0	0	0	0	0	0	14	Package 3700 Labor
50	WATER REPAIR/MAINT	0	0	0	0	0	0	0	0	0	6	Direct: Admin
51	BANK FEES	0	0	0	0	0	0	0	0	0	6	Direct: Admin
52	Overhead Fee	2,439,100	0	0	0	0	0	2,439,100	0	0	6	Direct: T&D and Customer
53	City Street Damages (Intercity Loan Interest)	830,140	0	0	415,070	415,070	0	0	0	0	11	Direct: T&D and Customer
54	City Street Damages (Intercity Loan Principal)	663,013	0	0	331,506	331,506	0	0	0	0	11	Direct: T&D and Customer
55	City Street Damages	719,860	0	0	359,930	359,930	0	0	0	0	11	Direct: T&D and Customer
56												
57	WATER LTD-2010A											See Table B-4
58	WATER LTD-2010B											See Table B-4
59	WATER LTD-2010C											See Table B-4
60	2015 WTR REV BONDS											See Table B-4
61	LEGAL SERVICES	0	0	0	0	0	0	0	0	0	6	Direct: Admin
62	EMPLOYEE TRAINING	3,175	500	120	1,387	486	84	0	0	0	14	Package 3700 Labor
63	800MHZ P25 RDO DEP	1,614	254	61	705	247	42	0	0	0	8	Package 3700 Labor
64	800MHZ VEH FND DEBT	4,386	690	165	1,916	671	115	0	0	0	14	Package 3700 Labor
65	INFORMATION SYSTEMS	0	0	0	0	0	0	0	0	0	6	Direct: Admin
66	ALLOW FOR BAD DEBT ADJ	0	0	0	0	0	0	0	0	0	6	Direct: Admin
67												
68	Materials & Supplies	709,906	111,723	26,755	310,188	108,659	18,690	0	130,391	3,500	14	Package 3700 Labor
69												
70	Water Production Expenses	15,246,121	439,147	0	0	0	0	0	14,806,974	0	23	Water Production
71												
72	Total	\$29,290,399	\$1,441,353	\$605,847	\$4,084,000	\$2,880,664	\$167,654	\$4,102,843	\$15,976,638	\$31,398		
73	Math Check:	\$29,290,399	this is O&M expenses									
		\$0										

Table B-5
City of Garden Grove - Water Division
Water Rate Study
Water System Cost-of-Service Analysis, FY 17/18 - Functionalization of Rate Revenue Requirement

Line No.	FY 17/18 Total	Table B-1							Line No.	Reference	Functionalization Factor
		Pumping	Storage	T&D	Customer	Meter	Admin	Rate Tier Calculations			
1	O&M Expenses										
2	Water Production Expenses	\$439,147	\$0	\$0	\$0	\$0	\$0	\$14,806,974	\$0	N/A	Table B-5
3	Other	\$1,002,206	\$605,847	\$4,084,000	\$2,880,664	\$167,654	\$4,102,843	\$1,169,664	\$31,398	N/A	Table B-5
4	Debt Service	\$2,407,164	\$1,003,283	\$767,958	\$0	\$211,319	\$0	\$175,192	\$39,574	N/A	Percentages from Table B-4
5	Capital Improvements	\$3,821,130	202,038	391,821	0	1,232,336	0	0	230,783	21	Phase 1 CIP
6	Replacement Expenditures	185,454	1,619,348	359,659	0	1,131,183	0	0	211,839	21	Phase 1 CIP
7	Less Other Revenues										
8	601 Fund										
9	32630 - WATER PROC FEE	0	0	0	0	0	0	0	0	6	Direct: Admin
10	32636 - LATE FEE (4)	(150,000)	0	0	(150,000)	0	0	0	0	4	Direct: Customer
11	32638 - AFTER HRS SERV CHG	(500)	0	0	0	0	(500)	0	0	6	Direct: Admin
12	32855 - NSF FEE	0	0	0	(4,000)	0	0	0	0	4	Direct: Customer
13	- OTHER	(25,000)	0	0	0	0	(25,000)	0	0	6	Direct: Admin
14	34501 - INTEREST	(56,385)	0	0	0	0	(56,385)	0	0	6	Direct: Admin
15	34330 - SALE OF SCRAP	(22,000)	0	0	0	0	(22,000)	0	0	6	Direct: Admin
16	34340 - SALE OF MATERIALS	(7,000)	0	0	0	0	(7,000)	0	0	6	Direct: Admin
17	38267 - 2010 FED SUBSIDY	(135,000)	(62,327)	(13,843)	0	(43,538)	0	0	(8,154)	21	Phase 1 CIP
18	602 Fund										
19	32650 - SERVICE INSTALL FEES	(39,000)	0	0	(39,000)	0	0	0	0	4	Direct: Customer
20	32652 - FRONTAGE ASSMT FEE	(6,000)	0	0	0	0	(6,000)	0	0	6	Direct: Admin
21	32655 - ACREAGE ASSMT FEE	(4,000)	0	0	0	0	(4,000)	0	0	6	Direct: Admin
22	34501 - INTEREST	(55,699)	0	0	0	0	(55,699)	0	0	6	Direct: Admin
23	603 Fund										
24	34501 - INTEREST	(31,900)	0	0	0	0	(31,900)	0	0	6	Direct: Admin
25	Change in Fund Balance	(7,007,051)	(3,235,041)	(718,507)	0	(2,259,812)	0	0	(423,201)	21	Phase 1 CIP
26											
27	Rate Revenue Requirement	\$31,482,642	\$1,695,264	\$4,871,088	\$2,687,664	\$439,142	\$3,894,359	\$16,151,830	\$82,239		
28											
29	Math Check Rate Revenue Requirement	31,482,642									
30	Difference	0									

City of Garden Grove - Water Division
Water Rate Study

Table B-7
Water Cost-of-Service Analysis - Classification Factors

Line No.	Classification Method	Base		Extra Capacity		Customer		Rate Tier Calculation	Fire Protection	Direct
		Max Day	Max Hour	Max Day	Max Hour	Customer	Meter			
1	Direct: Base	100%								Direct: Base
2	Direct: Max Day									Direct: Max Day
3	Direct: Max Hour									Direct: Max Hour
4	Direct: Customer					100%				Direct: Customer
5	Direct: Meters & Services						100%			Direct: Meters & Services
6	Direct: Rate Tier Calculation							100%		Direct: Rate Tier Calculation
7	Direct: Fire Protection								100%	Direct: Fire Protection
8	Direct: Purchased Source (1)	50%								Direct: Purchased Source
9	Base and Max Day: %	14,258		6,416						Base and Max Day
10	Base and Max Day: %	68.97%		31.03%						Weighted Average ex Rate Tier Calc
11	Weighted Average: %	32.96%		14.69%	7.79%	23.50%	3.84%	0.00%	17.22%	
12	Base, Max Day, Max Hour (gpm) (1)	14,258		6,416	8,270					
13	Base, Max Day, Max Hour: %	49.26%		22.17%	28.57%					
14	Storage (2)	64.20%		27.93%						
15	Administration (3)	32.96%		14.69%	7.79%	23.50%	3.84%	0.00%	7.88%	Base, Max Day, Max Hour Storage
16	Transmission and Distribution (4)	31.53%		14.19%	18.29%				17.22%	Transmission and Distribution
									36.00%	

Notes:

- (1) Refer to Table B-11 for further details. Based on actual production data from FY 15/16 provided by RWS to FG Solutions in December 2016
- (2) Refer to Table B-11 for further details
- (3) Based on a Weighted Average of other items in Table B-7 below excluding Rate Tier Calculations
- (4) 36% allocated to fire protection, remainder is allocated based on the Base, Max Day, and Max Hour classification factor. See Table B-11 for calculation

City of Garden Grove - Water Division
Water Rate Study

Table B-8

Water Cost-of-Service Analysis - Allocation of Rate Revenue Requirement

Line No.	FY 17/18 Projection	Base	Max Day (2)	Extra Capacity	Max Hour(2)	Customer	Meter	Rate Tier Calculations (1)	Private Fire Protection	Table B-6 Line No. Reference
1	Water System Expenses									
2	Pumping	\$1,661,055	\$515,500	\$0	\$0	\$0	\$0	\$0	\$0	10
3	Storage	\$1,695,264	\$473,405	\$0	\$0	\$0	\$0	\$0	\$133,573	14
4	T&D	\$4,871,088	\$691,071	\$890,713	\$0	\$0	\$0	\$0	\$1,753,592	16
5	Customer	\$2,687,664	\$0	\$0	\$0	\$2,687,664	\$0	\$0	\$0	4
6	Meter	\$439,142	\$0	\$0	\$0	\$0	\$439,142	\$0	\$0	5
7	Administration (3)	\$3,894,359	\$572,068	\$303,307	\$915,208	\$149,537	\$0	\$0	\$670,625	6
8	Rate Tier Calculations	\$16,151,830	\$0	\$0	\$0	\$0	\$0	\$16,151,830	\$0	7
9	Fire Protection	\$82,239	\$0	\$0	\$0	\$0	\$0	\$0	\$82,239	Not Applicable
10	Reallocate Public FP (4)	\$0	\$0	\$0	\$0	\$2,230,825	\$0	(\$2,230,825)	\$409,204	
11	Total	\$31,482,642	\$5,053,170	\$2,252,044	\$1,194,020	\$3,602,872	\$2,819,504	\$16,151,830	\$409,204	
12	Percent of Total	100%	16%	7%	4%	11%	9%	51%	1%	
13	Check, OS	\$31,482,642								

Notes:

- (1) Refer to Table COS-5 for Functionalization totals. In particular, purchase source refers only to source costs that are not part of the Rate Tier calculation:
- (2) Peaking costs associated with Max-Day and Max-Hour extra capacity are also included in the Rate Tier Calculation in Table C1
- (3) Administrative costs are based on a weighted average of other items in this table except those allocated to the Rate Tier Calculations. They are no allocated to the Rate Tier Calculation to improve the transparency of the Rate Tier Calculation:
- (4) See Table B-8

City of Garden Grove
Water Division - Water Rate Study

Table B-9

Water Cost-of-Service Analysis - Re-Allocate Public Fire Protection Costs

Line										
1	Fire Protection Revenue Requirement					\$2,640,029	See Table B-7, rows 1 through 9			
2	Number of Fire Protection Equivalent Connections:					526,652	See Table B-11, Section 3			
3	Annual Cost per Fire Protection Equivalent Connector					\$5.01				
4										
5	Number of Private Fire Protection Equivalent Connections:					81,631	See Table B-11, Section 3			
6	Annual Revenue Requirement from Private Fire Protection Equivalent Connection:					\$409,204				
7										
8	Number of Public Fire Protection Equivalent Connections:					445,021	See Table B-11, Section 3			
9	Annual Revenue Requirement from Public Fire Protection Equivalent Connection:					\$2,230,825				
10	This Revenue Will Be Recovered from Customers on a per-Meter Equivalent Basis:									
11										
12	Cost recovery by meter equivalent is proposed in this Rate Study because customers with larger meters typically have larger fire flow requirements. Cost recovery by meter equivalent is one method that is listed as possible in the AWWA M1 Manual, 7th Edition, pages 165 and 166 (Table IV.8-5									
13										
14										

City of Garden Grove - Water Division
Water Rate Study

Table B-10

Identification of Costs to be Included in Rate Tier Calculations

Step 1. Calculate Unit Cost of Production/Purchase from Each Water Source (FY 17/18)

Line	Water Source	Production FY 17/18 AF (1)	Production FY 17/18 CCF (1,2,3)	Consumption FY 17/18 CCF (4)	FY 17/18 \$/ccf (2)	Source Water Allocated Costs
1	MWD Imported Water	5,750	2,504,700	2,226,661	\$2.97	\$6,602,908
2	Pumped Water	17,250	7,514,100	6,679,984	\$1.43	\$9,548,922
3						
4	Total	23,000	10,018,800	8,906,646		\$16,151,830

Notes:

- 7 (1) Refer to Table A-7 for acre-feet by source and total Water Production Cost for FY 17/18. Water production volume in ccf is calculated from the value in acre-feet.
- 8 The Source Water Production Cost equals the total water production cost less 30% of electricity costs and 70% of natural gas costs
- 9 (2) The cost for MWD Imported Water is shown in Table A-7.
- 10 (3) The cost for water pumped from the City's wells equals the total costs allocated to Rate Tier Calculations in Table B-5 minus MWD Imported Water costs.
- 11 All costs associated with the Rate Tier Calculations that are not for the purchase of MWD Imported Water are associated with production of water from local wells
- 12 (4) The volume of metered consumption is less than the volume of source production due to non-revenue water which includes leaks. The ratio of metered consumption to production shown in this table is calculated from the ratio of metered consumption to production observed in FY 15/16

Step 2. Define Allocation of Water Production/Purchase Costs Among Tiers (Budget-Based Rate Alternative Only)

Source	FY 17/18 \$/ccf	FY 17/18 ccf (2)	Indoor Tier ccf (2,3)	Outdoor Tier ccf (2)	Excessive Tier ccf (2)	Indoor Tier \$	Outdoor Tier \$	Excessive Tier \$	Total \$
MWD Imported Water	\$2.97	2,226,661	0	1,262,971	963,690	\$0	\$3,745,195	\$2,857,713	\$6,602,908
Recharge Assessment Pumped Water	\$1.43	6,679,984	6,026,591	653,393	0	8,614,908	934,014	0	9,548,922
Total			6,026,591	1,916,364	963,690	\$8,614,908	\$4,679,209	\$2,857,713	\$16,151,830

- (1) This column represents production data. Subsequent columns showing ccf in each tier are metered consumption
- (2) See Table C-1 for amounts of water estimated to be sold in each tier.
- (3) Indoor tier ccf adjusted downward so that total water sold in three tiers equals recorded metered water sales.

City of Garden Grove - Water Division
Water Rate Study
Table B-11

Supporting Calculations for Cost-of-Service Analysis

1. Package 3700 - Labor Functionalization

Line	Position	Pumping	Storage	T&D	Customer	Meter	Admin	Rate Tier Calculation	Fire Protection	FTE Weighting	Note
1	Water Production Group	50%						50%		12.00	1
2	Water Engineering Group, Capital	5.3%	46.2%	10.3%	0.0%	32.3%	0.0%	0.0%	6.0%	3.20	2
3	Water Engineering Group, Operations	15.74%	3.77%	43.69%	15.31%	2.63%	0.00%	18.37%	0.49%	3.20	2
4	Customer Service Workers				100%					3.00	
5	Meter Readers				100%					3.00	
6	Remainder of Water Distribution Group			100%						14.00	3
7	Water Quality Group			70%				30%		4.00	4
8	Management	15.74%	3.77%	43.69%	15.31%	2.63%	0.00%	18.37%	0.49%	4.00	5
9	Total	15.74%	3.77%	43.69%	15.31%	2.63%	0.00%	18.37%	0.49%	46.40	

Notes:

(1) This group operates wells and booster stations. There are 13 wells and 15 booster pump stations. City staff said the appropriate allocation would be 50% source and 50% pumping.

FTE weighting is the number of positions in the group. Source: City staff, 7/11/17

(2) 8 FTEs in this group. 80% water and 80% sewer, corresponding to the ratio of water/sewer revenues (\$36M water, \$9.5M sewer) (per City staff, 7/11/17). All salaries paid from Package 3700. FTE weighting is $8 \times 80\% = 6.4$. Staff split their time between capital projects and operations projects, approximately 50/50. As an approximation, allocate the CIP portion of the group per the allocation of the Phase 1 CIP shown in Table B-1. Allocate the operations portion of the group per the FTE-weighted average of other Water Services Division employees.

(3) The Water Distribution Group includes the three customer service workers, the three meter readers, eight FTEs who work on replacement projects and charge their time to Fund 603, and the remaining 14 FTEs that work in the water distribution system.

(4) The four employees in the Water Quality group are responsible for the City's water quality sampling and testing, and the City's backflow prevention program.

Per City staff (7/11/17), approximately 70% of their time is spent in the distribution system and 30% is associated with source production.

(5) The four employees are the Water Services Manager, the Principal Office Assistant, the Senior Administrative Analyst, and the Administrative Intern. Labor costs for these employees are allocated based on the FTE-weighted average of other employees in the Water Services Division that charge to the 601 Fund.

2. Package 3700 - Contractual Expense Functionalization

Account	Amount	Pumping	Storage	T&D	Customer	Meter	Admin	Rate Tier Calculation	Fire Protection	Note
27 44020 - Equipment Pool Rentals	\$944,073	15.74%	3.77%	43.69%	15.31%	2.63%	0.00%	18.37%	0.49%	1
28 44040 - Information Systems	\$165,780				100.00%					2
29 44100 - Insurance Charges	\$257,749									3
30 Remainder	\$573,144	15.74%	3.77%	43.69%	15.31%	2.63%	0.00%	18.37%	0.49%	4
31 Total	\$1,940,746	12.30%	2.95%	34.16%	20.51%	2.06%	13.28%	14.36%	0.39%	

Notes:

(1) Per City staff, 7/11/17, equipment pool rentals are fleet expenses and should be functionalized based on Package 3700 (Water Operations) labor expenses.

(2) Per City staff, 7/11/17, this is primarily related to billing and will be functionalized on a per-customer basis.

(3) Insurance charges, functionalized as an administrative expense

(4) The remainder of Package 3700 Contractual expenses are functionalized per Package 3700 labor expenses.

City of Garden Grove - Water Division
Water Rate Study
Table B-11
Supporting Calculations for Cost-of-Service Analysis

3. FY 17/18 Average and Maximum Day Water Demand

<u>Average Day Demand</u>	23,000 acre-feet	20.53 MG	
	14,258 gpm		
Check from Metered Consumption Data, total FY 15/16	8,674,834 ccf		
	19,914.68 acre-feet, compared with production of	21,518 acre-feet, resulting in	7.45% non-revenue water
<u>Maximum Day Demand/Average Day Ratio</u>			
MDD/ADD Peaking Factor	1.45	29.7709328 predicted by 23K AF/year times 1.45; 21.6AFY*1.45=	27.95879
(1) Source: Garden Grove Water Master Plan, 2008, pg. 4-15, recommended value for planning purposes.		compare to, provided by City	23
			1.12022

Max Hour/Average Day Ratio

PHD/MDD ratio * MDD/ADD Peaking Factor

2.03

(1) Source: Garden Grove Water Master Plan, 2008, pg. 4-17, Table 4.7, PHD/MDD value of 1.40. Multiplied PHD/MDD * MDD/ADD Peaking Factor

4. Fire Protection Equivalents

Connection Size (in)	Demand Factor (1)	Projected FY 17/18		Projected FY 17/18		Number of Equivalent Fire Protection Connections	
		Public Connections (2)	Private Connections (3)	Public Connections (2)	Private Connections (3)	Public	Private
0.75	1.00	0	0	0	0	0	0
1	1.00	0	0	0	0	0	0
1.5	2.90	0	3	3	0	9	9
2	6.19	0	69	69	0	427	427
3	17.98	0	3	3	0	54	54
4	38.32	0	106	106	0	4,062	4,062
6	111.31	3,998	268	4,266	445,021	29,831	474,852
8	237.21	0	183	183	0	43,409	43,409
10	426.58	0	9	9	0	3,839	3,839
12	689.04	0	0	0	0	0	0
Total		3,998	641	4,639	445,021	81,631	526,652

Notes:

(1) AWWA M1, page 152 (7th edition page 162); demand factor = diameter ^ 2.63; exponent based on

Hazen-Williams equation for flow through pressure conduits.

(2) Source: City staff via email, 7/10/17

(3) Source: City staff via email, 7/10/17

**City of Garden Grove - Water Division
Water Rate Study**

**Table B-11
Supporting Calculations for Cost-of-Service Analysis**

5. Calculation: Fire Protection Demand (1), and Fire Protection Allocation for Supply, Storage, and T&D

$$\text{Fire Demand (gpm)} = 1020 \cdot \sqrt{\text{population}} / 2 \cdot (1 - 0.01 \cdot \sqrt{\text{population}})$$

where population is in thousands

$$\text{Fire Protection Allocation} = \text{Fire Demand} / (\text{Fire Demand} + \text{Maximum Daily Demand})$$

$$\text{Population for Garden Grove's Water Service Area} = 176,277 \quad (2)$$

$$\text{Fire Demand (gpm)} = 11,744$$

$$\text{Average Daily Demand ADD (mgd)} = 20.53 \quad (4)$$

$$\text{Ratio of Peak Hour to Average Daily Demand} = 1.45 \quad (4)$$

$$\text{Maximum Daily Demand (mgd)} = 29.77$$

$$\text{Maximum Daily Demand (gpm)} = 20,674$$

$$\text{Therefore, Fire Protection Allocation} = 36\%$$

$$\text{Fire Protection Allocation for COS} = 36\%$$

Calculation notes:

(1) Calculation based on AWWA M1 6th edition, page 143. Calculation published by the American Insurance Association, formerly National Fire Underwriters Association.

(2) Source: Department of Finance, State of California, population estimate 1/1/2017. <http://dof.ca.gov/Forecasting/Demographics/Estimates/E-1/>

(4) See calculation above in this worksheet

6. Allocation of Storage to Average Day, Peak Day, and Fire Flow Components

Methodology: Page 8-18, September 2008 Water Master Plan. Average Day Demand from FY 15/16 is used in this analysis.

Operational Storage, 30% of Maximum Day Demand	8.93	MG, based on Maximum Day Demand Peaking Factor of 1.45	
Fire Flow, 4 hours at 4,000 gpm in West Zone and at 6,000 gpm in East Zone	2.52		
Emergency Storage, 100% of Average Day Demand	20.53	MG, based on annual demand of	23,000 acre-feet
Additional Surplus Storage	21.02		
Available Storage	53.00		

	MG	Avg Day Demand	Peak Day Demand	Fireflow	Total
Operational Storage	8.93		100%		100%
Fire Fighting Storage	2.52			100%	100%
Emergency Storage	20.53	100%			100%
Remainder (2)	21.02	64.20%	27.93%	7.88%	100%
Total	53.00	64.20%	27.93%	7.88%	100.00%

Appendix C: Rate Design

Table C-1
City of Garden Grove - Water Division
Water Rate Study
Rate Design Calculations

Step 1. Projected Number of Customers by Meter Size

Line	Meter Size	Current (1) (May 2017)	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	temp calculation of ccf/month SFR in FY 15/16 0.9392 # of connections adjustment 30,325 adjusted number of connections 11.47 ccf/month 8.92 indoor allocation result: ccf/month is comparatively low result: indoor allocation is most of usage
1	5/8" X 3/4" meter	28,738	27,605	27,605	27,605	27,605	27,605	27,605	
2	1" meter	3,377	3,244	3,244	3,244	3,244	3,244	3,244	
3	1 1/2" meter	869	835	835	835	835	835	835	
4	2" meter	683	656	656	656	656	656	656	
5	3" meter	60	58	58	58	58	58	58	
6	4" meter	117	112	112	112	112	112	112	
7	6" meter	44	42	42	42	42	42	42	
8	8" meter	0	0	0	0	0	0	0	
9	10" meter	0	0	0	0	0	0	0	
10	Total	33,888	32,552	32,552	32,552	32,552	32,552	32,552	

Notes:

- 12 (1) Number of Customers shown does not include Fire Service connections or abandoned connections
 14 (2) Projected number of customers is adjusted to recognize that backcalculated revenues were approximately 3.6% higher than actual revenues for FY 15/16

Step 2. Projected Number of Meter Equivalents by Meter Size

Line	Meter Size	Current (May 2017)	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Capacity, gpm (1)	Meter Equivalent Ratio (3)
20	5/8" X 3/4" meter	28,738	27,605	27,605	27,605	27,605	27,605	27,605	20	1.00
21	1" meter	8,443	8,110	8,110	8,110	8,110	8,110	8,110	50	2.50
22	1 1/2" meter	4,345	4,174	4,174	4,174	4,174	4,174	4,174	100	5.00
23	2" meter	5,464	5,249	5,249	5,249	5,249	5,249	5,249	160	8.00
24	3" meter	960	922	922	922	922	922	922	320	16.00
25	4" meter	2,925	2,810	2,810	2,810	2,810	2,810	2,810	500	25.00
26	6" meter	2,200	2,113	2,113	2,113	2,113	2,113	2,113	1,000	50.00
27	8" meter	0	0	0	0	0	0	0	1,600	80.00
28	10" Meter	0	0	0	0	0	0	0	2,400	120.00
29	Total	53,075	50,983	50,983	50,983	50,983	50,983	50,983		

Fire Service Customers Only

Line	Meter Size	Current # of Customers (May 2017)	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Capacity, gpm (1)	Meter Equivalent Ratio (3)
32	5/8" X 3/4" meter	0	0	0	0	0	0	0	20	1.00

Table C-1
City of Garden Grove - Water Division
Water Rate Study
Rate Design Calculations

37	1" meter	0	0	0	0	0	0	0	0	50	2.50
38	1 1/2" meter	3	15	15	15	15	15	15	15	100	5.00
39	2" meter	69	552	552	552	552	552	552	552	160	8.00
40	3" meter	3	48	48	48	48	48	48	48	320	16.00
41	4" meter	106	2,650	2,650	2,650	2,650	2,650	2,650	2,650	500	25.00
42	6" meter	268	13,400	13,400	13,400	13,400	13,400	13,400	13,400	1,000	50.00
43	8" meter	183	14,640	14,640	14,640	14,640	14,640	14,640	14,640	1,600	80.00
44	10" Meter	9	1,080	1,080	1,080	1,080	1,080	1,080	1,080	2,400	120.00
45	Total	641	32,385	32,385	32,385	32,385	32,385	32,385	32,385		

46

47 Notes:

48 (1) AWWA M1 Manual, Table B-2 (Seventh Edition).

49 (2) Projected number of meter equivalents is adjusted to recognize that backcalculated revenues were approximately 3.6% higher than actual revenues for FY 15/16

50 (3) Where 5/8" X 3/4" meters are assigned a meter equivalent ratio of 1.0 by definition. Rounded to nearest 0.01.

51

Step 3. Define Rate Revenue Requirement if Rate Increases Were In Effect for Full Fiscal Year

	As Proposed (Effective for 4 Months)			
	FY 17/18	FY 18/19	FY 19/20	FY 20/21
55 Rate Revenues Under Existing Rates	\$30,233,011	\$30,233,011	\$30,233,011	\$30,233,011
56 Rate Revenues from Rate Increases	1,249,631	5,028,878	8,030,103	9,369,312
57 Rate Revenue Requirement	\$31,482,642	\$35,261,889	\$38,263,114	\$39,602,323

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	Full Year (Effective for 12 Months)			
	FY 17/18	FY 18/19	FY 19/20	FY 20/21
62 Rate Revenues Under Existing Rates	\$30,233,011	\$30,233,011	\$30,233,011	\$30,233,011
63 Rate Revenues from Rate Increases	3,748,893	7,588,848	8,912,613	10,282,710
64 Rate Revenue Requirement	\$33,981,904	\$37,821,859	\$39,145,624	\$40,515,721
65 % Increase from Previous Year		11%	3%	4%

Step 4. Calculate Capital Improvement Charge and Capital Improvement Charge Revenues

69 Full Recovery of Capital and Replacement Expenses Requires Annual Collection of	\$7,328,613	Through the Capital Improvement Charge
70 Current Number of Meter Equivalents (1)	50,983	Meter Equivalents (Does Not Include Fire Service Customers)
71 Full Recovery of Capital and Replacement Expenses Requires Bi-Monthly Charge of	\$23.96	\$/Bi-Month/Meter Equivalent

72 Methodology: City to define; the amount of the Capital Improvement Charge combined with the Minimum Charge, will be determined by a separate policy

73 Proposed Bi-Monthly Capital Improvement Charge

	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
74 Proposed Charge, \$/billing period/meter equivalent	\$3.00	\$4.00	\$5.00	\$6.00	\$7.00

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Table C-1
City of Garden Grove - Water Division
Water Rate Study
Rate Design Calculations

Meter Equivalent Ratio	Current Charge	Proposed Bi-Monthly Capital Improvement Charge				
		FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
5/8 x 3/4"	1.00	\$1.47	\$3.00	\$4.00	\$5.00	\$6.00
1" meter	2.50	\$2.07	\$7.50	\$10.00	\$12.50	\$15.00
1 1/2" meter	5.00	\$2.64	\$15.00	\$20.00	\$25.00	\$30.00
2" meter	8.00	\$4.27	\$24.00	\$32.00	\$40.00	\$48.00
3" meter	16.00	\$16.19	\$48.00	\$64.00	\$80.00	\$96.00
4" meter	25.00	\$20.60	\$75.00	\$100.00	\$125.00	\$150.00
6" meter	50.00	\$30.90	\$150.00	\$200.00	\$250.00	\$300.00
8" meter	80.00	\$42.68	\$240.00	\$320.00	\$400.00	\$560.00
10" meter	120.00	\$54.45	\$360.00	\$480.00	\$600.00	\$840.00

Meter Size	No. of Connections (1) (2)	Projected Revenues, First 8 Months of FY				
		FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
5/8 x 3/4" meter	27,605	\$162,316	\$331,257	\$441,676	\$552,095	\$662,514
1" meter	3,244	\$26,859	\$97,315	\$129,753	\$162,192	\$194,630
1 1/2" meter	835	\$8,815	\$50,084	\$66,779	\$83,473	\$100,168
2" meter	656	\$11,206	\$62,982	\$83,976	\$104,971	\$125,965
3" meter	58	\$3,732	\$11,066	\$14,754	\$18,443	\$22,131
4" meter	112	\$9,261	\$33,716	\$44,954	\$56,193	\$67,432
6" meter	42	\$5,224	\$25,359	\$33,812	\$42,265	\$50,718
8" meter	0	\$0	\$0	\$0	\$0	\$0
10" meter	0	\$0	\$0	\$0	\$0	\$0

Meter Size	No. of Connections (1) (2)	Projected Revenues, Last 4 Months of FY				
		FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
5/8 x 3/4" meter	27,605	\$165,628	\$220,838	\$276,047	\$331,257	\$386,466
1" meter	3,244	\$48,657	\$64,877	\$81,096	\$97,315	\$113,534
1 1/2" meter	835	\$25,042	\$33,389	\$41,737	\$50,084	\$58,431
2" meter	656	\$31,491	\$41,988	\$52,485	\$62,982	\$73,479
3" meter	58	\$5,533	\$7,377	\$9,221	\$11,066	\$12,910
4" meter	112	\$16,858	\$22,477	\$28,097	\$33,716	\$39,335
6" meter	42	\$12,679	\$16,906	\$21,132	\$25,359	\$29,585
8" meter	0	\$0	\$0	\$0	\$0	\$0
10" meter	0	\$0	\$0	\$0	\$0	\$0

Table C-1
City of Garden Grove - Water Division
Water Rate Study
Rate Design Calculations

Total Projected Capital Improvement Charge Revenues				
	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Total Projected Revenues	\$533,301	\$1,019,631	\$1,325,520	\$1,631,409
				FY 21/22
				\$1,937,299

Total Projected Revenues if Capital Improvement Charges were in Effect for 12 Months				
	FY 17/18	FY 18/19	FY 19/20	FY 20/21
				FY 21/22
				\$2,141,225

Notes:

- (1) The Capital Improvement Charge calculation does not include Fire Service customers, as the cost-of-service analysis separately accounts for capital expenses allocated to Fire Service Customers
- (2) Projected number of customers is shown for FY 17/18; there is no growth projected in this Rate Study

Step 5. Define Costs to be Recovered from Minimum Charges

Define Revenue Requirement from Minimum Charges for Each Year Assuming Full Year Implementation of Rates

Policy Direction: Percent of Revenue from Minimum Charges by FY 21/22 [to be confirmed by City] 25%

	Full Year (Effective for 12 Months)			
	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Rate Revenue Requirement	\$33,981,904	\$37,821,859	\$39,145,624	\$40,515,721
				FY 21/22
				\$41,933,770
25% of Rate Revenue Requirement	\$8,495,476	\$9,455,465	\$9,786,406	\$10,128,930
Less "Full Year Implementation" Capital Improvement Charge Revenue	(\$917,668)	(\$1,223,557)	(\$1,529,446)	(\$1,835,336)
Less Private Fire Service Cost of Service (1)	(\$409,204)	(\$455,444)	(\$471,385)	(\$487,883)
Revenue Requirement from Monthly Minimum Charges	\$7,168,604	\$7,776,464	\$7,785,575	\$7,805,712
				FY 21/22
				\$7,837,259

Note:

- (1) Equals FY 17/18 Cost of Service (See Table B-8), increased by the average % increase in the Rate Revenue Requirement in future years (See Step 3 above)

Define Customer-Related and Meter-Equivalent Related Components of Minimum Charge

	Full Year (Effective for 12 Months)			
	FY 17/18	FY 18/19	FY 19/20	FY 20/21
				FY 21/22
Customer-Related Costs Recovered from Minimum Charge (1)	\$3,602,872	\$4,009,996	\$4,150,346	\$4,295,608
Meter-Related Costs Recovered from Minimum Charge (1)	\$2,819,504	\$3,138,108	\$3,247,942	\$3,361,620
Base Demand Costs Recovered from Bi-Monthly Minimum Charge	\$746,229	\$628,360	\$387,288	\$148,484
	\$7,168,604	\$7,776,464	\$7,785,575	\$7,805,712
				FY 21/22
				\$7,837,259



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Step 6. Calculate the Uniform-Block Commodity Charge

Notes:

Table C-1
City of Garden Grove - Water Division
Water Rate Study
Rate Design Calculations

237	Less Revenue from Capital Improvement Charge	(\$917,668)	(\$1,223,557)	(\$1,529,446)	(\$1,835,336)	(\$2,141,225)
238	Less Fire Service Cost of Service (1)	(\$409,204)	(\$419,434)	(\$429,920)	(\$440,668)	(\$451,685)
239	Less Revenue from Minimum Charge	(\$4,838,969)	(\$6,757,677)	(\$7,037,823)	(\$7,477,425)	(\$7,837,176)
240	Equals Revenue Requirement from Commodity Charges	\$27,816,064	\$29,421,191	\$30,148,436	\$30,762,293	\$31,503,685
241						
242	Calculate Uniform-Block Consumption Charge	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
243	Revenue Requirement from Commodity Charge	\$27,816,064	\$29,421,191	\$30,148,436	\$30,762,293	\$31,503,685
244	Less Revenue Recovered from Projected Pass-Through Charge		(\$712,532)	(\$1,514,130)	(\$2,226,661)	(\$2,493,861)
245	Adj to Match Revenue Requirement	\$0	\$0	\$0	\$0	\$0
246	Estimated Billed Water Sales, ccf	8,906,646	8,906,646	8,906,646	8,906,646	8,906,646
247	Uniform Block Consumption Charge, \$/ccf	\$3.12	\$3.22	\$3.21	\$3.20	\$3.26
248	Estimated Pass Through, \$/ccf		\$0.08	\$0.17	\$0.25	\$0.28
249						

250 Note

251 (1) Private Fire Service Cost of Service projected to increase at the rate of inflation in future years

252

253 Step 7. Calculate the Budget-Based Rates Commodity Charge

254

255 Compile Volume Sold in Each Tier, FY 15/16 (ccf) (1)

	Unadjusted	Adjusted
256		
257	Indoor	6,274,002
258	Outdoor	1,397,579
259	Excessive	1,003,253
260	Total	8,674,834
261		8,332,748

262 Note

263 (1) Refer to data in Table A-2. Projected metered consumption is adjusted to recognize that backcalculated revenues were approximately 3.6% higher than actual revenues for FY 15/16

264 Adjusted consumption is used to establish rates; unadjusted

265

266 Apply Adjustment to Project FY 17/18 Metered Consumption

267 Projected FY 17/18 Metered Consumption, ccf (1) (2)

268	Indoor	6,026,591
269	Outdoor	1,916,364
270	Excessive	963,690
271	Total	8,906,646
272		

271 Total 8,906,646 = FY 15/16 consumption, adjusted to match actual FY 15/16 revenues, and adjusted again for change in demand between FY 15/16 and FY 17/18.

273 Notes:

274 (1) As described above, projected FY 17/18 water production is greater than actual FY 15/16 by 6.89%

275 (2) As customers use additional water in FY 17/18, the assumption for the purposes of this Rate Study is that the increased water use is outdoors and would be sold at the outdoor tier rate.

276

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Table C-1
City of Garden Grove - Water Division
Water Rate Study
Rate Design Calculations

	Starting Point	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
317 Outdoor Tier Commodity Charge	\$3.15	\$3.44	\$3.68	\$3.73	\$3.81	\$3.87
318 Excessive Tier Commodity Charge	\$3.15	\$3.65	\$4.06	\$4.15	\$4.28	\$4.40
319						
320						
321 Change in Revenue Compared with Un-Transitioned Rates:						
322 Outdoor Tier		(597,354)	(348,227)	(252,408)	(118,263)	0
323 Excessive Tier		(602,677)	(313,570)	(226,838)	(111,195)	0
324 Total		(1,200,031)	(661,797)	(479,246)	(229,458)	0
325						
326 Additional Revenue to be Collected from Indoor Tier		1,200,031	661,797	479,246	229,458	0
327 \$/ccf Added to Indoor Tier for Transition		\$0.20	\$0.11	\$0.08	\$0.04	\$0.00
328						
329 Revised (Transitioned) Indoor Tier Commodity Charge		\$2.94	\$2.96	\$2.93	\$2.90	\$2.86
330						
331 Summarize Budget-Based Alternative Commodity Charges						
332 Indoor Tier Commodity Charge, Excluding Pass Through		\$2.94	\$2.96	\$2.93	\$2.90	\$2.86
333 Indoor Tier Estimated Pass Through			\$0.07	\$0.15	\$0.20	\$0.29
334 Outdoor Tier Commodity Charge, Excluding Pass Through		\$3.44	\$3.68	\$3.73	\$3.81	\$3.87
335 Outdoor Tier Estimated Pass Through			\$0.07	\$0.15	\$0.20	\$0.29
336 Excessive Tier Commodity Charge, Excluding Pass Through		\$3.65	\$4.06	\$4.15	\$4.28	\$4.40
337 Excessive Tier Estimated Pass Through			\$0.08	\$0.17	\$0.25	\$0.28
338						
339						

Step 8. Calculate the Two-Tier Increasing Block Alternative Commodity Charge

Define Tier Costs Associated with Imported Water and Groundwater, FY 17/18

Methodology:

- 343 1. Charges per tier are based on the projected FY 17/18 costs for locally produced groundwater and imported MWD water
- 344 2. The amount of water included in the first tier is intended so that approximately 75% of projected water sales fall into the first tier; this percentage is consistent with the percentage of water allowed from locally produced sources
- 345
- 346 3. Among the various meter sizes, the amount of water included in the first tier is scaled by the meter equivalent ratio shown in Table B-11, Step 2
- 347 rounded up to the nearest whole number
- 348

349 1st Tier	\$1.43	Refer to Table B-10; unit cost of locally produced groundwater
350 2nd Tier	\$2.97	Refer to Table B-10; unit cost of imported water.

Define Amount of Water to be Included in the First Tier

	Meter Equivalent	ccf Included in First Tier, per Billing Period	FY 15/16 Annual Metered Consumption, ccf
	Ratio	1st Tier	2nd Tier
5/8x3/4" meter	1.00	33	3,633,286 448,011

Table C-1

357	1" meter	2.50	83	732,765	174,684
358	1 1/2" meter	5.00	165	531,283	237,664
359	2" meter	8.00	264	631,637	424,038
360	3" meter	16.00	528	131,792	88,951
361	4" meter	25.00	825	454,516	354,870
362	6" meter	50.00	1,650	359,064	472,287
363	8" meter	80.00	2,640		
364	10" meter	120.00	3,960		
365	Total			6,474,343	2,200,505
366	As Percent			74.63%	25.37%
367					
368	Calculate Two-Tier Commodity Charge Prior to Transitioning Adjustment				
369					
370					
371	Revenue Requirement from Commodity Charges			FY 17/18	FY 18/19
372	Less Revenue Recovered from Projected Pass-Through Charge			\$27,816,064	\$29,421,191
373	Tier 1 Pass-Through				\$30,148,436
374	Tier 2 Pass-Through				\$30,762,293
375	Less Revenue Recovered Groundwater Unit Cost Sales (Part of Tier 1)				
376	Less Revenue Recovered MWD Unit Cost Sales (Part of Tier 2)				
377	Revenue Requirement to be Spread Among All Customers:			\$11,614,098	\$12,573,167
378	Commodity Charge Spread Among All Customers			\$1.30	\$1.41
379					\$1.42
380	Estimated Billed Water Sales, ccf				
381	Tier 1			6,647,342	6,647,342
382	Tier 2			2,259,304	2,259,304
383					
384	Tier 1 Commodity Charge, Excluding Pass Through			\$2.73	\$2.84
385	Tier 1 Estimated Pass Through				\$2.85
386	Tier 2 Commodity Charge, Excluding Pass Through			\$4.27	\$0.15
387	Tier 2 Estimated Pass Through				\$0.20
388					\$4.38
389					\$4.39
390					\$0.17
391					\$0.25
392					
393					
394					
395	2nd Tier Commodity Charge			\$3.15	\$3.65
396					\$4.15
					\$4.28
					\$4.40

Table C-1

397 Change in Revenue Compared with Un-Transitioned Rates:

Step 9. Backcalculation of Water Sales Revenues

	No. of	Meter Size	Connections	Bi-Monthly Minimum Charge	Annual Revenues
414 Existing Bi-Monthly Minimum Charge					
415					
416					
417					
418					
419	28,738	5/8x3/4" meter		12.74	\$2,196,733
420	3,377	1" meter		33.99	\$688,705
421	869	1 1/2" meter		65.82	\$343,185
422	683	2" meter		99.79	\$408,939
423	60	3" meter		165.62	\$59,623
424	117	4" meter		229.32	\$160,983
425	44	6" meter		524.45	\$138,455
426	0	8" meter		819.60	\$0
427	0	10" meter		1,114.73	\$0
428 Total	33,888				\$3,996,624

	Existing Capital Improvement Charge			Annual Revenues		
	Meter Size	# Water Connections	# Fire Service connections	Capital Charge	Improvement Charge	Capital Charge
430						
431						
432						
433						
434						
435	5/8x3/4" meter	28,738	0	\$1.47	\$253,469	
436	1" meter	3,377	0	\$2.07	\$41,942	

Table C-1
City of Garden Grove - Water Division
Water Rate Study
Rate Design Calculations

437	1 1/2" meter	869	3	\$2.64	\$13,812
438	2" meter	683	69	\$4.27	\$19,266
439	3" meter	60	3	\$16.19	\$6,120
440	4" meter	117	106	\$20.60	\$27,563
441	6" meter	44	268	\$30.90	\$57,845
442	8" meter	0	183	\$42.68	\$46,863
443	10" meter	0	9	\$54.45	\$2,940
444	Total	33,888	641		\$469,821

445
446 Commodity Charge

447	FY 15/16 Metered Consumption, ccf				8,674,834
448	1st Tier Commodity Charge, \$/ccf				\$2.92
449	Total Calculated Commodity Charge Revenues				\$25,330,515

450

451 Existing Fire Service Rates

452

453	Connection Size (in)	No. of Connections	Bi-Monthly Rate	Annual Revenues
454	0.75	0	\$11.00	\$0
455	1	0	\$11.00	0
456	1.5	3	\$11.00	198
457	2	69	\$11.00	4,554
458	3	3	\$14.00	252
459	4	106	\$19.00	12,084
460	6	268	\$29.00	46,632
461	8	183	\$38.00	41,724
462	10	9	\$48.00	2,592
463				\$108,036
464				

450					
451	Total Back Calculated Water Sales Revenues, FY 15/16				\$29,435,175

452
453 Note: The first tier commodity charge is used in this calculation, recognizing that it accounts for two offsetting adjustments.

454 1. Some water is sold at the higher tiers, which would produce more revenue than is shown in the calculation

455 2. Some customers receive the City's Low Water User discount, which would result in less revenue than is shown in this calculation

456 3. Currently, fire service customers also pay the Capital Improvement Charge

457

458 **Step 10: Comparison of Backcalculated Water Sales Revenues with Actual FY 15/16 Revenues**

459

460	Actual FY 15/16 Revenues	Account	Fund	FY 15/16 Actual
461				

Table C-1
City of Garden Grove - Water Division
Water Rate Study
Rate Design Calculations

462	WATER-METERED	32601	601	\$21,805,999
463	WATER-FLAT RATE	32603	601	147,878
464	WATER COSTS (5)	32640	601	6,320,543
465	Total Reported Actual			\$28,274,419
466				
467	Total Back Calculated Water Sales Revenues, FY 15/16			\$29,435,175
468	Difference			(\$1,160,756)
469	As Percent			-3.94%
470				

471	Capital Improvement Charge			
472	Actual	433,732		
473	Backcalculated	\$469,821		
474	Difference	(\$36,089)		
475	As Percent	-8.32%		
476				

Step 11. Backcalculate Revenues Under Proposed Rate Structure

		FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
480						
481	Applicable to All Rate Structure Alternatives					
482	Bi-Monthly Minimum Charge, First 8 Months of FY	\$2,559,346	\$3,225,979	\$4,505,118	\$4,691,882	\$4,984,950
483	Bi-Monthly Minimum Charge, Last 4 Months of FY	\$1,612,990	\$2,252,559	\$2,345,941	\$2,492,475	\$2,612,392
484						
485	Capital Improvement Charge, First 8 Months of FY	\$227,412	\$611,779	\$815,705	\$1,019,631	\$1,223,557
486	Capital Improvement Charge, Last 4 Months of FY	\$305,889	\$407,852	\$509,815	\$611,779	\$713,742
487						
488	Fire Service Rates, First 8 Months of FY	\$72,024	\$272,803	\$303,627	\$314,252	\$325,251
489	Fire Service Rates, Last 4 Months of FY	\$136,401	\$151,814	\$157,126	\$162,626	\$168,319
490						
491	Uniform Block Alternative Commodity Charges					
492	Uniform Block Alternative, First 8 Months of FY	\$18,228,935	\$18,544,043	\$19,139,106	\$19,089,537	\$19,023,754
493	Uniform Block Alternative, Last 4 Months of FY	\$9,272,021	\$9,569,553	\$9,544,769	\$9,511,877	\$9,669,941
494	Estimated Pass Throughs, First 8 Months of FY	\$0	\$0	\$475,021	\$1,009,420	\$1,484,441
495	Estimated Pass Throughs, Last 4 Months of FY	\$0	\$237,511	\$504,710	\$742,220	\$831,287
496						
497	Budget-Based Alternative Commodity Charges					
498	Budget-Based Alternative, First 8 Months of FY	\$18,228,935	\$18,546,357	\$19,199,511	\$19,199,511	\$19,258,889
499	Budget-Based Alternative, Last 4 Months of FY	\$9,273,179	\$9,599,756	\$9,599,756	\$9,629,445	\$9,629,445
500	Estimated Indoor Tier Pass Throughs, First 8 Months of FY	\$0	\$0	\$281,241	\$602,659	\$803,546

Table C-1
City of Garden Grove - Water Division
Water Rate Study
Rate Design Calculations

501	Estimated Indoor Tier Pass Throughs, Last 4 Months of FY	\$0	\$140,620	\$301,330	\$401,773	\$582,570
502	Estimated Outdoor Tier Pass Throughs, First 8 Months of FY	\$0	\$0	\$89,430	\$191,636	\$255,515
503	Estimated Outdoor Tier Pass Throughs, Last 4 Months of FY	\$0	\$44,715	\$95,818	\$127,758	\$185,249
504	Estimated Excessive Tier Pass Throughs, First 8 Months of FY	\$0	\$0	\$109,218	\$160,615	\$179,889
505	Estimated Excessive Tier Pass Throughs, Last 4 Months of FY	\$0	\$25,698	\$54,609	\$80,308	\$89,944
506						
507	Two-Tier Increasing Block Alternative, First 8 Months of FY	\$18,228,935	\$18,526,429	\$19,143,972	\$19,190,899	\$19,253,759
508	Two-Tier Increasing Block Alternative, Last 4 Months of FY	\$9,263,215	\$9,571,986	\$9,595,450	\$9,626,879	\$9,650,778
509	Estimated Tier 1 Pass Throughs, First 8 Months of FY	\$0	\$0	\$310,209	\$664,734	\$886,312
510	Estimated Tier 1 Pass Throughs, Last 4 Months of FY	\$0	\$155,105	\$332,367	\$443,156	\$642,576
511	Estimated Tier 2 Pass Throughs, First 8 Months of FY	\$0	\$0	\$120,496	\$256,054	\$376,551
512	Estimated Tier 2 Pass Throughs, Last 4 Months of FY	\$0	\$60,248	\$128,027	\$188,275	\$210,868
513						
514	Three-Tier Increasing Block Alternative, First 8 Months of FY	\$18,228,935	\$18,549,574	\$19,196,790	\$19,205,697	\$19,259,137
515	Three-Tier Increasing Block Alternative, Last 4 Months of FY	\$9,274,787	\$9,598,395	\$9,602,848	\$9,629,568	\$9,663,711
516	Estimated Tier 1 Pass Throughs, First 8 Months of FY	\$0	\$0	\$270,168	\$578,932	\$771,909
517	Estimated Tier 1 Pass Throughs, Last 4 Months of FY	\$0	\$135,084	\$289,466	\$385,955	\$559,634
518	Estimated Tier 2 Pass Throughs, First 8 Months of FY	\$0	\$0	\$95,004	\$190,008	\$273,137
519	Estimated Tier 2 Pass Throughs, Last 4 Months of FY	\$0	\$47,502	\$95,004	\$136,569	\$172,195
520	Estimated Tier 3 Pass Throughs, First 8 Months of FY	\$0	\$0	\$71,253	\$151,413	\$222,666
521	Estimated Tier 3 Pass Throughs, Last 4 Months of FY	\$0	\$35,627	\$75,706	\$111,333	\$124,693
522						
523	Total Projected Revenues					
524	Uniform Block Alternative	\$32,415,019	\$35,273,892	\$38,300,938	\$39,645,698	\$41,037,634
525	Budget-Based Alternative	\$32,416,176	\$35,279,933	\$38,368,246	\$39,686,348	\$41,013,257
526	Two-Tier Increasing Block Alternative	\$32,406,212	\$35,236,554	\$38,267,854	\$39,662,643	\$41,049,056
527	Three-Tier Increasing Block Alternative	\$32,417,784	\$35,288,967	\$38,333,574	\$39,682,119	\$41,075,293
528						
529	Operating Statement	\$31,482,642	\$35,261,889	\$38,263,114	\$39,602,323	\$40,988,404
530	Operating Statement minus calculated revenues					\$185,598,374
531	Uniform Block Alternative	(\$932,376)	(\$12,002)	(\$37,824)	(\$43,375)	(\$49,230)
532	Budget-Based Alternative	(\$933,534)	(\$18,043)	(\$105,132)	(\$84,025)	(\$24,853)
533	Two-Tier Increasing Block Alternative	(\$923,570)	\$25,336	(\$4,740)	(\$60,319)	(\$60,651)
534	Three-Tier Increasing Block Alternative	(\$935,142)	(\$27,078)	(\$70,459)	(\$79,795)	(\$86,889)
535	Step 13. Calculate Fire Protection Rates					
536						
537	Private Fire Protection Revenue Requirement	\$409,204	See Table B-9			
538	Number of Equivalent Private Fire Protection Connections	81,631	See Table B-9			
539	Unit Cost. \$/Equivalent Connection per bi-monthly billing period	\$0.84	Annual \$/Equivalent Connection Divided by 6; See Table B-9			

570 Note

571 (1) Private Fire Service rates to increase at the same rate as overall water rate increases, through FY 21/22. See Table A10.

573 Task 9B Three-Tier Increasing Block Water Rate Structure

574 Define Concept for Three-Tier Increasing Block Structure

575 Tier 1: 65% of water use, based on costs of local production

576 Tier 2: 20% of water use, 50% based on the costs of local production and 50% based on the cost of imported water.

577 Tier 3: 15% of water use, based on the costs of imported water

578

579	Unit cost, local production, \$/ccf	\$1.43	Refer to Table B-10: unit cost of locally produced groundwater
-----	-------------------------------------	--------	--

580 Unit cost. imported water. \$/ccf \$2.97 Refer to Table B-10: unit cost of imported water.

581
 582 some cases, improved water, γ -cal
 583 (ref) to Table B 10, and cost of improved water.
 584 γ -cal)

582	Tier 1 Source	Production Costs, \$/ccf	\$1.43	Unit cost of locally produced groundwater

582	Net 1 Source Production Costs, \$/ccf	\$2.45	Unit cost of locally produced groundwater
583	Tier 2 Source Production Costs, \$/ccf	\$2.20	Average of unit costs of locally produced groundwater and imported water

	Net 2 Source Production Costs, \$/ccf	Average of Unit Costs of 1993-1995	Unit cost of imported water
584	Tier 3 Source Production Costs, \$/ccf	\$2.97	

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586 Define Amount of Water to be Included in Tier 1 and Tier 2

	Meter Size	Meter Equivalent Ratio	ccf Included in Tier 1, per Billing Period	ccf Included in Tier 2, Billing Period	FY 15/16 Annual Metered Consumption, ccf		
					Tier 1	Tier 2	Tier 3
587	5/8x3/4" meter	1.00	25	51			
588	1" meter	2.50	63	128			
589	1 1/2" meter	5.00	125	255			
590	2" meter	8.00	200	408			
591	3" meter	16.00	400	816			
592	4" meter	25.00	625	1,275			

Table C-1
City of Garden Grove - Water Division
Water Rate Study
Rate Design Calculations

636									
637	Change in Revenue Compared with Un-Transitioned Rate:								
638	Tier 3 Commodity Charge	(\$969,112)	(\$514,873)	(\$421,353)	(\$180,874)			\$0	
639									
640	Additional Revenue to be Collected from Tier 1	\$1,215,757	\$521,039	\$405,252	\$173,680			\$0	
641	\$/ccf Added to Tier 1 for Transition	\$0.21	\$0.09	\$0.07	\$0.03			\$0.00	
642	Revised (Transitioned) Tier 1 Commodity Charge	\$2.95	\$2.94	\$2.92	\$2.89			\$2.87	
643									
644	Additional Revenue to be Collected from Tier 2	(\$246,645)	(\$6,166)	\$16,101	\$7,194			\$0	
645	\$/ccf Added to Tier 2 for Transition	(\$0.14)	(\$0.00)	\$0.01	\$0.00			\$0.00	
646	Revised (Transitioned) Tier 2 Commodity Charge	\$3.37	\$3.61	\$3.63	\$3.63			\$3.64	
647									
648	Summarize Increasing Block Alternative Commodity Charges								
649	Tier 1 Commodity Charge, Excluding Pass Through	\$2.95	\$2.94	\$2.92	\$2.89			\$2.87	
650	Tier 1 Estimated Pass Through		\$0.07	\$0.15	\$0.20			\$0.29	
651	Tier 2 Commodity Charge, Excluding Pass Through	\$3.37	\$3.61	\$3.63	\$3.63			\$3.64	
652	Tier 2 Estimated Pass Through		\$0.08	\$0.16	\$0.23			\$0.29	
653	Tier 3 Commodity Charge, Excluding Pass Through	\$3.55	\$4.00	\$4.07	\$4.26			\$4.41	
654	Tier 3 Estimated Pass Through		\$0.08	\$0.17	\$0.25			\$0.28	
655									
656	Note: Commodity Charges are rounded to the nearest \$0.01.								

Appendix D: Capital Facilities Plan

INTRODUCTION

In the summer of 2016, the City of Garden Grove embarked on preparing a rate study to evaluate its current rate structure. A key aspect of any rate study is defining the anticipated level of capital improvements over the next five years. The five-year horizon coincides with the allowable threshold of Proposition 218. The City completed its previous water master plan in 2008, which identified several additional capital needs in subsequent years. Although some of the highest priority projects outlined in the 2008 Water Master Plan were completed, there are many high priority projects remaining. Since 2008, the condition of the more critical improvements has only worsened. In addition to the 2008 Water Master Plan, other necessary improvements have been identified by City staff.

EXECUTIVE SUMMARY

As touched on above, when any water purveyor is considering increasing water rates, several competing interests come into consideration. They include revenue requirements for existing operations, water consumption, system reliability, capital improvements and what is an acceptable rate increase to the community, just to name a few. The approach to prioritizing the capital improvements weighed these considerations. However, the City and the residents of Garden Grove will bring their perspectives to reach an appropriate balance through the Proposition 218 process. The CFP projects can always be accelerated and reprioritized as determined to be necessary.

A few considerations during the Proposition 218 process are:

- City representatives and residents should consider what service the City provides to its customers and how it can be messaged. Do the customers view water purely as a volumetric commodity or a service of delivering water reliably?
 - To bring this point to greater clarity, one could consider if all residents theoretically turned off their water, the City would still be required to meet all state and federal drinking water requirements, including fire flow requirements. This is independent of consumption, but is a significant component of operational costs.
- The prioritization of projects places the highest priority on water storage. Without adequate and reliable storage, there would be no water to pump and distribute, particularly in emergencies.
- The previous 2008 Water Master Plan is will be approaching ten years old and serves as a critical planning document. The City should perform a Water Master Plan update in the High Priority Phase to ensure it reflects current conditions and plans for future demands that will be placed on the water system.
- Booster Pump Replacements/Upgrades and more critical Existing System Fire Flow pipeline projects were given the second highest priority using the same rationale.

- The remaining bulk of lesser critical distribution system improvements were given the third highest priority.

It is important to note the State Water Resources Control Board's intent to reduce per capita demands will likely result in freed up system capacity that may reduce the number of Third Priority Projects. This will be reflected in the recommended Water Master Plan Update identified in the Immediate Priority Phase.

A summary of the Capital Facilities Plans by Priority Phase is summarized below:

Capital Facilities Plans by Priority Phase Summary	
Priority Phase/Date	Total Cost (\$)
Immediate Priority Projects (2017-2022)	36,643,066
Secondary Priority Projects (2022-2027)	41,378,105
Third Priority Projects (2027-2032)	98,507,944
TOTAL	176,529,115

A more detailed cost by project for each priority phase is located in Tables 1, 2 and 3 at the end of the report.

Basis for Prioritization

The City of Garden Grove's water CFP projects were prioritized based on balancing several key factors and criteria. Many of the water system's engineering and operational needs were outlined in the City's 2008 Water Master Plan. While the master plan identified and previously prioritized water system deficiencies, the prioritization of those projects were based on planning, engineering and operational considerations that can vary over time. This approach is prudent with industry practices. However, when implementing a rate study and potential rate increases, other factors, such as affordability for the City comes into consideration. This serves as the backdrop for the following CFP prioritization approach.

Our team reviewed the 2008 Water Master Plan and conducted numerous discussions with City staff regarding water system improvement priorities. The agreed approach was to distribute proposed CFP project costs as equally as possible into three categories ranked by priorities. Additionally, the three priority categories can correspond to five-year planning horizons as a way to initially evaluate the financial impacts. The three separate five-year planning periods resulted in a fifteen-year total planning horizon. Immediate Priority Projects are intended to be completed in the first five-year horizon (2017 to 2022). The second five-year planning horizon (2022 to 2027) covers the Secondary Priority Projects. The basis for prioritization of the immediate and secondary projects is discussed further below. The third five-year planning horizon (2027 to 2032) includes the remaining Third Priority Projects. While these projects are important for the reliability of the City's water system, the Immediate and Secondary Priority projects were determined by the City and West Yost to be of higher importance, from a reliability and sustainability perspective.

Immediate Priority Projects

Reservoir Rehabilitations

During several meetings and subsequent coordination with City staff, it was determined the proposed reservoir rehabilitations were a top priority, as a recent condition assessment for the City's reservoirs identified improvements to eight reservoirs to address mechanical, structural, and security deficiencies. Reservoir rehabilitation is needed to maintain reliable water service with the current storage capacity volume. A reduction in storage volume would limit the water system's ability to reliably meet demands, while maintaining minimum fire flow storage within the reservoirs. Therefore, projects to address storage needs are a higher priority than distribution system improvements.

The City of Garden Grove's water system has a total of eight reservoirs at five sites. Four reservoirs, which include Magnolia, West Garden Grove, West Haven East, and West Haven West, are underground. Four reservoirs, which include Trask East, Trask West, Lampson East, and Lampson West, are partially aboveground. Designs to address reservoir deficiencies have been completed for the underground West Haven Reservoirs rehabilitation project. Phase 1 of this project is ready to move forward but lacks the required funding for construction implementation.

Rehabilitation of the system's underground reservoirs is also a top priority due to potential for water quality issues. This could result from runoff water from outside the reservoirs percolating into the ground and infiltrating into the reservoirs. This runoff infiltrated water would not meet drinking water quality and could contaminate the drinking water system. The rehabilitation of the remaining reservoirs, including those partially above ground has not been designed. Phase 2 is scheduled after the completion immediately following the Phase 1 West Haven Reservoir rehabilitations.

Well Evaluation and SCADA Improvements

The City of Garden Grove has requested an engineering evaluation and condition assessment of their existing wells to determine life expectancy and identify required improvements. This evaluation will include the condition of the wells as well as any necessary mechanical and electrical improvements that are required to maintain source reliability. In addition to potential to mechanical and electrical improvements Supervisory Control and Data Acquisition (SCADA) system limitations will also need to be addressed.

Although the first phase of SCADA improvements has been completed, the remaining SCADA improvements at manually operated wells are considered a high priority. Currently, O&M staff are required to visit the well sites to make necessary control adjustments at each well site in order to operate the water system. The SCADA improvements will also allow the O&M staff to collect historical pumping data for future master planning efforts.

With an ever increasing threat of computer hackings, specialized protection of a water systems SCADA controls is vital. We have included a budget for the City to perform a Cyber Security Assessment and allow some upgrades as an add-on item to the SCADA improvements proposed in this phase.

Water Master Plan Update

A Water Master Plan Update is also considered a top priority since the most recent Water Master Plan was completed in 2008. The industry standard is to revisit the master planning process every 5-10 years with annual updates as needed, depending on how actively an agency is changing. The City of Garden Grove is nearly built out. The importance of keeping master plans up to date should not be underestimated. A masterplan gives the City its most valuable tool in determining a realistic status of the system ability to perform up to industry standards and regulatory requirements. One example is the ability to meet fire flow requirements. An up to date master plan is vital in corroborating appropriate rates to sufficiently fund necessary improvements. For example, since 2008, water conservation efforts have resulted in lower water consumption per capita. Despite recent easing of the drought, the State Water Resources Control Board has indicated a desire to implement some form of a reduced per capita per day demand statewide. This could significantly reduce the amount of pipeline improvements required in the Third Priority Phase. A more detailed discussion is included in that section.

Other Immediate Priority Projects

An Asset Management Study was considered to be an Immediate Priority Phase project to evaluate the need for facility and pipeline replacements and to determine budgetary requirements for the next planning period. An Asset Management Study is different than a master plan in that an Asset Management Study focuses its recommendations based on the physical condition of the assets, life expectancy and maximizing life cycle benefits of the assets. An Asset Management Study can be performed in conjunction with a Water Master Plan update, or can be performed independently. Much like SCADA improvements, Asset Management is another means of management that offers a beneficial return on investment, which often leads to greater rate stabilization into the future.

This Immediate Priority Projects category also includes five years' worth of recurring projects such as service line replacements, fire hydrant replacements, meter replacements, valve replacements and other system appurtenances. The improvements will help further reduce unaccounted for water system losses and subsequent revenue reductions.

A breakdown of cost for the Immediate Priority Phase is attached in Table 1.

Secondary Priority Projects

Fire Flow Improvements

The 2008 Water Master Plan identified areas within the City where the water system was not able to provide fire flow volumes that met the requirements for each land use types. The 2008 Water Master Plan also generated a list of water main improvements to address fire flow deficiencies. After the reservoir storage deficiencies are addressed, discussions with staff determined that addressing fire flow deficiencies are a secondary priority. These are outlined in Table 2.

Other Secondary Priority Projects

Based on the City staff's experience with the water system's operation, it was concluded that well replacements can be deferred until this phase. This is the result of a newly constructed transmission

main, which has solved source water deficiencies in the area of the City that was previously most deficient. Staff also indicated that cathodic protection for steel pipes is not critical at this moment due to the relatively good condition of the pipes, and could also be deferred from the Immediate to this Secondary Priority Phase. An additional group of Secondary Priority Projects are replacement to the City's existing natural gas booster pumps. Replacements of these pumps were considered secondary priorities because these facilities are currently operating sufficiently and funding reservoir rehabilitations is considered by staff to be a more critical use of available funding. However, staff anticipates replacement of the natural gas booster pumps will be necessary when the City reaches the Secondary Priority Phase timeframe.

The Second Priority Projects category also includes five years' worth of recurring projects such as service line replacements, fire hydrant replacements, meter replacements, valve replacements and other system appurtenances. The improvements will help further reduce unaccounted for water system losses and subsequent revenue reductions.

A breakdown of cost for the Immediate Priority Phase in attached in Table 2.

Third Priority Projects

Fire Flow Improvements

The balance of pipeline projects to address existing system fire flow deficiencies, excluding those included in the Secondary Priority category, have been included in the Third Priority Projects category. These have been included in the third category based on several considerations. Each agency often considers the cost of deferred improvements against the potential for rate spikes by accelerating too many CFP projects. One significant consideration is the opportunity to reduce the number of fire flow upgrade projects. At the time of the 2008 Water Master Plan, these recommendations were based on the per capita per day water demands in 2008. Since 2008, water demands have decreased, and the upcoming Water Master Plan update will re-assess fire flow deficiencies using different (and presumably lower) water demands. This might lead to fewer remaining fire flow deficiencies. Additionally, it is expected that the State Water Resources Control Board (SWRCB) will lift the "emergency" aspects of drought regulations and the mandated reductions in consumption. However, the SWRCB has indicated their intent to reduce the per capita per day water demands from current demands. This intent will likely result in freed up system capacity that may reduce the number of Third Priority Projects identified in the upcoming Water Master Plan.

Other Third Priority Projects

The Third Priority Projects category also includes recurring projects such as service line replacements, fire hydrant replacements, meter replacements, valve replacements and other system appurtenances. The improvements will help further reduce unaccounted for water system losses and subsequent revenue reductions.

A breakdown of cost for the Immediate Priority Phase is attached in Table 3.

Proposed Project Costs

Projected project costs for all projects except the reservoir rehabilitations were based on the costs provided in the 2008 Water Master Plan. The 2008 Water Master Plan costs included a 60% total contingency, which included 30% for construction and 30% for engineering design and construction management. West Yost escalated the 2008 Water Master Plan to 2016 costs in two different ways: (1) using changes in the Turner Building Cost index between 2008 and 2016, and (2) using changes in the CPI Utility and public transportation category index between 2008 and 2016. Of these two methods, the Turner Building Cost index produced the higher 2016 estimated cost, and it was used for the purposes of this analysis. The 2016 escalated cost was then further escalated based on an assumed 3% annual inflation rate to generate the cost estimates reported in this analysis.

The reservoir rehabilitation cost for the West Haven reservoir was based on a May 2016 average bid cost with a 30% contingency for construction and construction management. A contingency was not included for design because the bid costs were based on completed design documents. The 2016 cost with contingency was then further escalated based on an assumed 3% annual inflation rate.

Costs for the remaining reservoir rehabilitation projects was based on the proposed costs presented in the City of Garden Grove Condition Assessment of Eight Concrete Reservoirs prepared by Kleinfelder and Simon Wong in December 2013. An additional 60% total contingency, which included 30% for construction and 30% for engineering design and construction management were added to the proposed costs before escalation. West Yost escalated the December 2013 City of Garden Grove Condition Assessment of Eight Concrete Reservoirs prepared by Kleinfelder and Simon Wong to 2016 costs in two different ways: (1) using changes in the Turner Building Cost index between 2013 and 2016, and (2) using changes in the CPI Utility and public transportation category index between 2013 and 2016. Of these two methods, the Turner Building Cost index produced the higher 2016 estimated cost, and it was used for the purposes of this analysis. The 2016 escalated cost was then further escalated based on an assumed 3% annual inflation rate to generate the cost estimates reported in this analysis.

The cost estimates were considered reasonable by West Yost based on a comparison of available actual bid costs and or preliminary costs for similar projects constructed within southern California in the last five years.

Water Rate Study
Capital Facilities Plan Assessment & Prioritization



Table 1 - Immediate Phase Capital Facilities Plan Projects (2017-2022)			
Category	Project CIP ID	Project Name	Cost
Reoccurring Replacements	N_RPL_01	Replace Misc. Distribution System Appurtenances (BO, ARV, Vac)	\$ 286,232
	N_RPL_02	Service Line Replacements	\$ 7,068,075
	N_RPL_03	Fire Hydrant Replacements	\$ 1,866,270
	N_RPL_04	Meter Replacements	\$ 5,141,311
	N-RPL-05	Gate Valve Replacements	\$ 3,175,527
Subtotal, Replacements (603 Fund)			\$ 17,537,415
Wells	X_FF_RLA	Well Condition Assessment	\$ 733,257
Boosters	X_RL_BCK	Portable Back-up Power Units	\$ 1,047,510
Reservoirs		Reservoir Rehabilitations _ Near Term West Haven Reservoir Projects	\$ 4,599,808
		Reservoir Rehabilitations _ Trask Reservoirs Medium and High Priorities	\$ 1,055,106
		Reservoir Rehabilitations _ Trask Reservoirs Low Priorities	\$ 1,943,366
		Trask Reservoir Site Mechanical and Security - High & Medium Priority	\$ 183,763
		Reservoir Rehabilitations _ Magnolia Reservoir Medium and High Priorities	\$ 549,598
		Reservoir Rehabilitations _ Magnolia Reservoir Low Priorities	\$ 1,691,723
		Magnolia Reservoir Site Mechanical and Security - High & Medium Priority	\$ 113,874
		Magnolia Reservoir Site Mechanical and Security - Low Priority	\$ 3,383
		Reservoir Rehabilitations _ West Garden Grove Reservoir Medium and High Priorities	\$ 988,389
		Reservoir Rehabilitations _ West Garden Grove Reservoir Low Priorities	\$ 3,171,980
		West Garden Grove Reservoir Site Mechanical and Security - High & Medium Priority	\$ 64,708
		Reservoir Rehabilitations _ Lampson Reservoir Medium and High Priorities	\$ 1,513,246
		Reservoir Rehabilitations _ Lampson Reservoir Low Priorities	\$ 338,345
		Lampson Reservoir Site Mechanical and Security - High & Medium Priority	\$ 55,247
Studies	STUDY_AM	Asset Management Study	\$ 327,347
		Masterplan Update	\$ 550,000
		Cyber Security	\$ 175,000
Subtotal, Capital (602 Fund)			\$ 19,105,652
Total:			\$ 36,643,066

Water Rate Study
Capital Facilities Plan Assessment & Prioritization



Table 2 - Secondary Phase Capital Facilities Plan Projects (2022-2027)			
Category	Project CIP ID	Project Name	Cost
Reoccurring Replacements	N_RPL_01	Replace Misc. Distribution System Appurtenances (BO, ARV, Vac)	\$ 331,822
	N_RPL_02	Service Line Replacements	\$ 8,193,836
	N_RPL_03	Fire Hydrant Replacements	\$ 2,163,519
	N_RPL_04	Meter Replacements	\$ 5,960,188
	N-RPL-05	Gate Valve Replacements	\$ 3,681,306
Subtotal, Replacements (603 Fund)			\$ 20,330,670
Wells	N_GW_RPL_01	Well 19 Rehabilitation	\$ 572,263
	N_GW_RPL_03	Well 25 Rehabilitation	\$ 789,177
	N_GW_RPL_04	Well 16 Replacement	\$ 4,220,782
Boosters	N_RPL_07	Booster Pump Replacement - Lampson	\$ 1,645,343
	N_RPL_08	Booster Pump Replacement - Magnolia	\$ 385,302
	N_RPL_09	Booster Pump Replacement - Trask	\$ 1,464,253
	N_RPL_13	Natural Gas Engine Rplc- Lampson	\$ 1,322,429
	N_RPL_14	Natural Gas Engine Rplc- Magnolia	\$ 705,386
Pipelines	X_FF_001	Existing System Fire Flow Project 001	\$ 2,793,008
	X_FF_005	Existing System Fire Flow Project 005	\$ 607,176
	X_FF_006	Existing System Fire Flow Project 006	\$ 379,485
	X_FF_008	Existing System Fire Flow Project 008	\$ 1,290,248
	X_FF_009	Existing System Fire Flow Project 009	\$ 242,870
	X_FF_012	Existing System Fire Flow Project 012	\$ 364,305
	X_FF_015	Existing System Fire Flow Project 015	\$ 637,534
	X_FF_022	Existing System Fire Flow Project 022	\$ 1,517,939
	X_FF_041	Existing System Fire Flow Project 041	\$ 561,637
	F_RDV_IW	Pipelines Added for International West Specific Plan	\$ 1,366,145
	F_FF_001	Future System Fire Flow Project 001	\$ 182,153
Subtotal, Capital (602 Fund)			\$ 21,047,435
Totals			\$ 41,378,105

Table 3 - Third Phase Capital Facilities Plan Projects (2027-2032)

Category	Project CIP ID	Project Name	Cost
Reoccurring Replacements	N_RPL_01	Replace Misc. Distribution System Appurtenances (BO, ARV, Vac)	\$ 384,672
	N_RPL_02	Service Line Replacements	\$ 9,498,901
	N_RPL_03	Fire Hydrant Replacements	\$ 2,508,111
	N_RPL_04	Meter Replacements	\$ 6,909,492
	N-RPL-05	Gate Valve Replacements	\$ 4,267,643
Subtotal, Replacements (603 Fund)			\$ 23,568,819
Wells	F_GW_A	Groundwater Well in West Pressure Zone	\$ 4,223,298
Pipelines	X_FF-002	Existing System Fire Flow Project 002	\$ 44,798,038
	X_FF-010	Existing System Fire Flow Project 010	\$ 2,422,202
	X_FF-013	Existing System Fire Flow Project 013	\$ 18,583
	X_FF-014	Existing System Fire Flow Project 014	\$ 297,320
	X_FF-016	Existing System Fire Flow Project 016	\$ 266,068
	X_FF-017	Existing System Fire Flow Project 017	\$ 478,922
	X_FF-018	Existing System Fire Flow Project 018	\$ 297,320
	X_FF-019	Existing System Fire Flow Project 019	\$ 346,874
	X_FF-020	Existing System Fire Flow Project 020	\$ 141,903
	X_FF-021	Existing System Fire Flow Project 021	\$ 173,437
	X_FF-023	Existing System Fire Flow Project 023	\$ 35,476
	X_FF-024	Existing System Fire Flow Project 024	\$ 2,412,348
	X_FF-025	Existing System Fire Flow Project 025	\$ 545,087
	X_FF-026	Existing System Fire Flow Project 026	\$ 99,107
	X_FF-027	Existing System Fire Flow Project 027	\$ 1,337,941
	X_FF-028	Existing System Fire Flow Project 028	\$ 49,553
	X_FF-029	Existing System Fire Flow Project 029	\$ 35,476
	X_FF-030	Existing System Fire Flow Project 030	\$ 297,320
	X_FF-031	Existing System Fire Flow Project 031	\$ 681,359
	X_FF-032	Existing System Fire Flow Project 032	\$ 53,214
	X_FF-033	Existing System Fire Flow Project 033	\$ 9,460
	X_FF-034	Existing System Fire Flow Project 034	\$ 212,854
	X_FF-035	Existing System Fire Flow Project 035	\$ 297,320
	X_FF-036	Existing System Fire Flow Project 036	\$ 198,213
	X_FF-037	Existing System Fire Flow Project 037	\$ 283,806
	X_FF-038	Existing System Fire Flow Project 038	\$ 212,854
	X_FF-039	Existing System Fire Flow Project 039	\$ 24,777
	X_FF-040	Existing System Fire Flow Project 040	\$ 106,427
	X_FF-042	Existing System Fire Flow Project 042	\$ 260,155
	X_FF-043	Existing System Fire Flow Project 043	\$ 24,777
	X_FF-044	Existing System Fire Flow Project 044	\$ 148,660
	X_FF-045	Existing System Fire Flow Project 045	\$ 185,825
	X_FF-046	Existing System Fire Flow Project 046	\$ 70,951
	X_FF-047	Existing System Fire Flow Project 047	\$ 185,825
	X_FF-048	Existing System Fire Flow Project 048	\$ 266,068
	X_FF-049	Existing System Fire Flow Project 049	\$ 272,544
	X_FF-050	Existing System Fire Flow Project 050	\$ 173,437

Water Rate Study
Capital Facilities Plan Assessment & Prioritization



Pipelines	X_FF-051	Existing System Fire Flow Project 051	\$ 371,650
	X_FF-052	Existing System Fire Flow Project 052	\$ 99,107
	X_FF-053	Existing System Fire Flow Project 053	\$ 49,553
	X_FF-054	Existing System Fire Flow Project 054	\$ 1,015,844
	X_FF-055	Existing System Fire Flow Project 055	\$ 74,330
	X_FF-056	Existing System Fire Flow Project 056	\$ 63,913
	X_FF-057	Existing System Fire Flow Project 057	\$ 106,427
	X_FF-058	Existing System Fire Flow Project 058	\$ 177,379
	X_FF-059	Existing System Fire Flow Project 059	\$ 37,165
	X_FF-060	Existing System Fire Flow Project 060	\$ 371,650
	X_FF-061	Existing System Fire Flow Project 061	\$ 425,708
	X_FF-062	Existing System Fire Flow Project 062	\$ 8,869
	X_FF-063	Existing System Fire Flow Project 063	\$ 193,258
	X_FF-064	Existing System Fire Flow Project 064	\$ 1,330,339
	X_FF-065	Existing System Fire Flow Project 065	\$ 247,767
	X_FF-066	Existing System Fire Flow Project 066	\$ 68,384
	X_FF-067	Existing System Fire Flow Project 067	\$ 12,388
	X_FF-068	Existing System Fire Flow Project 068	\$ 35,476
	X_FF-069	Existing System Fire Flow Project 069	\$ 163,019
	X_FF-070	Existing System Fire Flow Project 070	\$ 37,165
	X_FF-071	Existing System Fire Flow Project 071	\$ 338,945
	X_FF-072	Existing System Fire Flow Project 072	\$ 3,717
	X_FF-073	Existing System Fire Flow Project 073	\$ 53,214
	X_FF-074	Existing System Fire Flow Project 074	\$ 86,718
	X_FF-075	Existing System Fire Flow Project 075	\$ 148,660
	X_FF-076	Existing System Fire Flow Project 076	\$ 352,820
	X_FF-077	Existing System Fire Flow Project 077	\$ 85,480
	X_FF-078	Existing System Fire Flow Project 078	\$ 53,214
	X_FF-079	Existing System Fire Flow Project 079	\$ 322,097
	X_FF-080	Existing System Fire Flow Project 080	\$ 557,475
	X_FF-081	Existing System Fire Flow Project 081	\$ 470,757
	X_FF-082	Existing System Fire Flow Project 082	\$ 173,437
	X_FF-083	Existing System Fire Flow Project 083	\$ 198,213
	X_FF-084	Existing System Fire Flow Project 084	\$ 371,650
	X_FF-085	Existing System Fire Flow Project 085	\$ 142,466
	X_FF-086	Existing System Fire Flow Project 086	\$ 638,563
	X_FF-087	Existing System Fire Flow Project 087	\$ 222,990
	X_FF-088	Existing System Fire Flow Project 088	\$ 76,808
	X_FF-089	Existing System Fire Flow Project 089	\$ 69,178
	X_FF-090	Existing System Fire Flow Project 090	\$ 8,869
	X_FF-091	Existing System Fire Flow Project 091	\$ 67,393
	X_FF-092	Existing System Fire Flow Project 092	\$ 35,476
	X_FF-093	Existing System Fire Flow Project 093	\$ 106,427
	X_FF-094	Existing System Fire Flow Project 094	\$ 21,285

Water Rate Study
Capital Facilities Plan Assessment & Prioritization



Pipelines	X_FF-095	Existing System Fire Flow Project 095	\$ 124,165
	X_FF-096	Existing System Fire Flow Project 096	\$ 198,213
	X_FF-097	Existing System Fire Flow Project 097	\$ 35,476
	X_FF-098	Existing System Fire Flow Project 098	\$ 39,643
	X_FF-099	Existing System Fire Flow Project 099	\$ 212,854
	X_FF-100	Existing System Fire Flow Project 100	\$ 24,777
	X_FF-101	Existing System Fire Flow Project 101	\$ 35,476
	X_FF-102	Existing System Fire Flow Project 102	\$ 74,330
	X_FF-103	Existing System Fire Flow Project 103	\$ 61,942
	X_FF-104	Existing System Fire Flow Project 104	\$ 24,777
	X_FF-105	Existing System Fire Flow Project 105	\$ 68,136
	X_FF-106	Existing System Fire Flow Project 106	\$ 24,777
	X_FF-107	Existing System Fire Flow Project 107	\$ 2,128,542
	X_FF-108	Existing System Fire Flow Project 108	\$ 198,213
	X_FF-109	Existing System Fire Flow Project 109	\$ 247,767
Subtotal, Capital (602 Fund)			\$ 74,939,125
Totals			\$ 98,507,944

Appendix E: Not Used

Appendix F: Budget-Based Rate Structure Analysis

Appendix F

Budget Based Rate Structure Evaluation

F.1 Introduction

This Appendix describes the City's evaluation of a budget-based rate structure evaluation. During the completion of the Rate Study, the City evaluated several rate structure alternatives. One of them was budget-based rates, which are described in more detail below. This Rate Study was funded in part by grant funding from the Santa Ana Watershed Project Authority. One of the conditions of the grant was that Budget-Based Rates be evaluated. After evaluation, the City decided not to implement budget-based rates, and instead chose the rate structure shown in Rate Study Report.

Budget-Based Rates, also called Conservation Rates, use individualized water budget allocations based on the number of residents in a household, the amount of landscaped area, and daily weather. Customers who use at or below their individual water budget pay the lowest tier rates; those who exceed their allocation pay increasing rates. The structure encourages efficiency in a fair manner, for customers with different needs. There is no limit on how much water a customer can use.

The individualized allocation determines the price of the water. Indoor water use, up to the "indoor allocation", is the least expensive water. The Budget-Based rate structure evaluated as part of this project would have three Commodity Charge Tiers:

1. Indoor Tier, for water use up to each customer's Indoor Allocation
2. Outdoor Tier, for water use exceeding each customer's Indoor Allocation but less than the combined Indoor and Outdoor Allocations
3. Excessive Tier, for water use exceeding each customer's combined Indoor and Outdoor Allocations.

The indoor allocation does not mean a customer cannot use more water than the indoor allocation – it means that water use up to the indoor allocation is sold at the lowest price. Water use, even if it is indoors, above the indoor allocation, would be sold at the higher price of the outdoor tier.]

Additional detail for the Budget-Based Rate calculations is provided in Appendix C.

F.2 Evaluation of Budget-Based Rates

F.2.1: Revenue Requirement and Cost of Service Analysis

The Revenue Requirement is unchanged and is the same as what is shown in detail in Section 2 of the Report.

The Cost-of-Service Analysis is unchanged and is the same as what is shown in detail in Section 3 of the Report.

F.2.2: Customer Data

In order to evaluate Budget-Based Rates, it is necessary to characterize the landscape of the parcels. This is required to generate the outdoor allocations. FG Solutions used the services of Miller Spatial Services to complete this task. Miller Spatial Services obtained available aerial imagery from SAWPA and used it to develop individualized landscape areas for each parcel.

F.2.3: Projected Indoor Water Allocation

The City provided Miller Spatial Services a detailed extract of billing system data for FY 15/16, including, for each water meter read: the tax identification number associated with the account, customer type, water meter size, date of water meter reading, date of previous water meter reading, and consumption. For each multi-family connection, the number of multi-family units was also provided.

For the purposes of this evaluation, the Indoor Allocation for single-family residences is based on 60 gallons per person per day, and four persons per household. When a budget-based rate structure is implemented, a utility will typically establish a process to allow a customer with more than four persons in the household to receive a larger Indoor Allocation, based on the actual number of residents.

For multi-family residential customers, the Indoor Allocation was based on 60 gallons per person per day per unit. The Outdoor Allocation is based on the amount of landscaped area associated with the water meter. For non-residential connections, the Indoor Allocation was equal to the seasonally-adjusted three-year average water consumption for the account.

F.2.4: Projected Outdoor Water Allocation

The Outdoor Allocation is developed from a formula that considers the landscape square footage and the weather. It will be different for each customer, because each customer will have a unique landscape square footage, and it will be different for each billing period because the weather changes seasonally.

The weather is incorporated into the Outdoor Water Allocation formula through a concept called “Evapotranspiration”, abbreviated ET. ET, measured by inches, is related to the amount of water needed to irrigate landscape, particularly grass. It can be measured by a weather station, and the California Irrigation Management Information System (CIMIS) operates a series of these irrigation systems statewide. FY 15/16 data from the CIMIS station in Irvine was used, along with the landscape area of each customer, to develop estimated Outdoor Water Allocations.

F.2.5 Projected Excessive Use

Excessive Use was determined by taking the total water consumption for each water meter read, and subtracting the Indoor Allocation and Outdoor Allocation.

F.2.6 Summary of Projected Water Use Per Tier

Table F-1 shows what the projected water consumption for each tier in FY 17/18 would be. Water Use data from FY 15/16 was used, with two adjustments:

1. Water use from FY 15/16 was decreased by 3.6% so that back-calculated revenues using water consumption data match actual revenues collected by the City.
2. Projected consumption was increased by approximately 6.9% to recognize that system wide demands in FY 17/18 were projected to exceed actual water demands in FY 15/16 as drought restrictions are partially lifted.

Table F-1: Projected Water Use by Tier

Tier	Projected FY 17/18	
	Water Use, hcf	Percent
Indoor	6,026,591	68%
Outdoor	1,916,364	22%
Excessive	963,690	11%
Total	8,906,646	100.00%

F.2.7 Proposed Budget-Based Rate Structure

The proposed Bi-Monthly Minimum Charge and the Capital Improvement Charge would be the same as described in Section 4 of the Rate Study Report. See Tables 3-6 and 3-7.

The proposed Commodity Charges would be:

1. Indoor Tier: Equal to the proposed Tier 1 Commodity Charge described in Section 3 of the Rate Study Report. The cost, in \$/hcf, is based on the cost of locally produced groundwater. Refer to Table 3-8.
2. Excessive Tier: Equal to the proposed Tier 2 Commodity Charge described in Section 3 of the Rate Study Report. The cost, in \$/hcf, is based on the cost of imported water from MWD. Refer to Table 3-8.
3. Outdoor Tier: Higher than the Indoor Tier charge and lower than the Excessive Tier charge. The cost, in \$/hcf, blends the cost of locally produced groundwater and imported water from MWD.

Refer to Appendix C for more details.

F.2.8 City's Decision to Not Adopt Budget Based Rates

Budget-Based rate structures were discussed with the City Council in Study Sessions 1, 2, and 3. As a result of these discussions, the City decided not to pursue the implementation of Budget-Based rates. Some of the considerations are discussed in the following paragraphs.

Most significantly, budget-based rates require a greater amount of administration than other rate structures. This is because each customer has a unique Indoor and Outdoor Allocation structure, and there are several variances that are provided. In addition to a greater number of people per household, utilities with Budget-Based rates may choose to offer variances for medical reasons, fruit growing, and swimming pools. Additionally, this is a very different rate structure than is currently used, and it will take time and effort to work with customers. The City expects it would need to hire several additional employees to administer and implement the rate structure.

One of the goals of Budget-Based rates is to encourage conservation of a limited water resource. Budget-Based rates can be effective in discouraging excessive outdoor water use, because of the higher cost associated with the Outdoor Tier and Excessive Tier. However, in Garden Grove (as shown in Table F-1) above, 72% of projected water use would be in the Indoor Tier. This is because, compared with other utilities in Southern California (particularly those in hotter areas of the Santa Ana River watershed in the Inland Empire), residential water use in Garden Grove is already comparatively low.

With the proposed rate structure in Section 3 of the Water Rate Study Report, the Division is taking steps to improve the financial stability of the utility. Increases in fixed charges are proposed, and the financial

impacts of higher fixed charges for low-income/senior customers are partially mitigated by the proposed Low-Income/Senior Discount.

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To:	Scott C. Stiles	From:	Todd D. Elgin
Dept.:	City Manager	Dept.:	Police
Subject:	Approval to accept Fiscal Year 2017-18 Supplemental Law Enforcement Services Account (SLESA) funds. (Amount: \$269,705) (<i>Action Item</i>)	Date:	3/13/2018

OBJECTIVE

To gain City Council approval to accept funding from the Supplemental Law Enforcement Services Account (SLESA) for Fiscal Year 2017-18 for approximately \$269,705, as well as any growth funds that may be disbursed to the City at a later date, and to appropriate these funds for front-line law enforcement services.

BACKGROUND

The Police Department receives an annual allocation from the State through the county Supplemental Law Enforcement Services Account (SLESA). SLESA funding for local government assists local law enforcement agencies by providing additional resources for front-line law enforcement services and/or capital projects that directly support such services, and is not intended to supplant current funding.

The City's allocation for FY 2017-18 is approximately \$269,705. By statute, the monies allocated "...to a recipient entity shall be expended exclusively to provide front line law enforcement services. These moneys shall not be used by local agencies to supplant other funding for Public Safety Services..." (Government Code §30062(a)). Additional FY 2017-18 growth funds may also be disbursed to the City after July 1, 2018, but the amount will not be known until the disbursement is made.

DISCUSSION

These funds are used to make purchases that directly support the delivery of front line law enforcement services, such as electronic citation devices and mobile computer terminals for patrol vehicles.

FINANCIAL IMPACT

There is no impact to the City's General Fund as a result of this allocation.

RECOMMENDATION

It is recommended that the City Council:

- Approve the acceptance of Fiscal Year 2017-18 Supplemental Law Enforcement Service Account (SLESA) funds in the amount of \$269,705, as well as and any additional Fiscal Year 2017-18 growth funds disbursed to the City after July 1, 2018; and
- Appropriate these funds as received to the Police Department budget for front-line law enforcement services.

By: Courtney Allison, Fiscal Analyst

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To:	Scott C. Stiles	From:	William E. Murray
Dept.:	City Manager	Dept.:	Public Works
Subject:	Discussion of agreement with Focus Media Group regarding bus benches as requested by the City Manager.	Date:	3/13/2018

OBJECTIVE

To provide response to public comments over advertising bus benches and seek further City Council direction.

BACKGROUND

On November 28, 2017, City Council approved a 10-year license agreement with Focus Media to construct, install, operate, maintain, and administer non-sheltered advertising bus benches to include city owned bus benches previously installed within the city's public right-of-way. Focus Media's service would provide revenue to the City through advertising sales. An additional benefit of Focus Media Group is their ability to provide local businesses with cost effective advertising rates to support the "Buy in Garden Grove" Program.

In December 2017, a light green color scheme for the benches was selected. Phase one of the project has been completed with the installation of approximately 60 benches in the selected color. Local businesses have taken interest in Focus Media's service and have secured advertisements in areas selected. Local businesses that have taken advantage of this marketing opportunity include small retail, automotive dealerships, real estate brokers and home improvement contractors. Businesses have commented on the ease of convenience in working with local advertisers and the reasonable costs.

Recently, during the Council Meeting held on February 27th, a resident expressed concerns over the new advertising bus benches. Concerns raised were: 1) color of benches, 2) questionable advertising content, 3) quantity of bus benches and 4) inconsistent color scheme and style between the new light green bus benches, existing green/concrete benches and blue shelters.

DISCUSSION

Due to the discussion raised at the February 27th Council meeting, Public Works Department staff suspended further installation of bus benches until direction from City Council is provided. Public Works Department staff have drafted the following responses to help clarify any public misunderstandings, and to provide several options for Council consideration:

- *Non-Preferred Color Scheme on New Benches:* Changes to the color scheme would cost approximately \$15,400. (Costs would be deducted from the advertising sales revenue.)
- *Questionable Advertising Content:* Advertising content for the agreement with Focus Media is regulated by the Municipal Code section 11.36.190 "Limitations on Advertising Display" that includes the following text:
 - No advertising or sign on any shelter shall display or depict any specified sexual activity or specified anatomical area as described in Section 9.16.020.070.B.1;
 - No advertisement or sign on any shelter shall display any word, phrase, symbol, or character likely to interfere with, mislead, or distract traffic or conflict with any traffic-control device;
 - Licensee shall remove all such advertising within 24 hours after the City serves notice upon licensee requiring the removal of such advertising pursuant to this section;
 - No advertising for tobacco products or alcoholic beverages shall be displayed. Any advertising in violation of this section may be summarily removed by the City at expense of licensee;In regards to the advertisement by Romantix (see Attachment 2). Focus Media explained that this business has placed similar bench advertisements throughout the County. And to date, no other cities have reported complaints about the advertised content. This business has four such advertisements within Garden Grove.
- *Quantity of Bus Benches:* Approximately 280 OCTA bus stops are located throughout the City. Approximately 100 blue colored bus shelters are placed throughout the City and are part of a non-exclusive license agreement with Clear Channel Outdoor. There are approximately 70 existing city owned bus benches that are either concrete or metal (dark green), that have been previously installed throughout the City. These benches are gradually being phased out and will cost the City \$5,600 to remove and dispose of in the near-term (see Attachment 1). The City and Focus Media agreed upon installing 140 new bus benches that would be strategically placed in highly visible areas to maximize benefits for the advertiser, businesses and bus ridership. These bench installations were planned to take place in two phases with Phase 1 comprising 60 benches and Phase 2 comprising 80 benches. The first phase was completed in February. The second phase is scheduled to begin in the Spring. The agreement has built in flexibility to add or remove benches as deemed necessary by the City. (See Attachment 3 for map of new advertising benches.)
- *Inconsistent Color Scheme/Style of New, and Existing Benches/Shelters:* Public Works Department staff, and Focus Media are working to gradually remove all existing concrete and green metal bus benches. Due to unanticipated weight the concrete benches will require special handling, and transportation by Focus

Media to the Republic Services' Facility in Anaheim for processing as construction demolition and debris. As stated above, to change the color scheme for the new benches, it would cost Focus Media \$15,400. To change the color scheme for the existing shelters, Clear Channel provided a rough estimate of \$65,000 and it would take a few months to complete by an outside contractor. These shelters will remain for another four years until the end of Clear Channel's agreement. At that time, the City will seek alternative options for replacement. Focus Media currently provides advertising shelters in the cities of Stanton and Westminster.

Based on the information provided above, Staff recommends prioritizing the public comments received and first focusing on the color of new benches. If the green theme remains, Focus Media suggests a darker shade of green that would not contrast with the existing darker blue shelters. The most effective option is to change the color of the new benches to blue to match the existing shelters. The existing shelters will be addressed in the near future when Clear Channel's agreement has ended. At that time, Council can further assess color schemes and a design of bus shelters that best suits the City's theme and character.

FINANCIAL IMPACT

Below is a summary of options and cost implications to the General Fund.

No.	Option	Cost
1	Change Color of New Benches and Existing Shelters	\$80,400
2	Change Color of New Benches	\$15,400
3	Change Color of Existing Shelters	\$65,000
4	Status Quo	\$0

The shared revenues that the City receives from Clear Channel are \$100,000 annually. The City's anticipated shared revenues received from Focus Media are 15 percent of advertising, which is estimated to be \$20,000 if all 140 benches are installed. The cost to modify benches would impact the shared revenues received by the City.

RECOMMENDATION

It is recommended that the City Council:

- Receive and file comments received by the public concerning the advertising bus benches; and
- Select an option for addressing public comments.

ATTACHMENTS:

Description	Upload Date	Type	File Name
Attachment 1: Photos of new and existing benches	3/8/2018	Backup Material	3-13-18_Bench_and_Shelter_Photos_2018.pdf
Attachment 2: Bus Bench photo - Romantix	3/8/2018	Backup Material	3-13-18_Romantix_Ad_Photo.pdf
Attachment 3: Map of new advertising benches	3/8/2018	Backup Material	3-13-18_Garden_Grove_Map_Coverage_2018_03-06.pdf

New Advertising
Bus Benches
(Focus Media
Group)



Existing
Advertising Bus
Shelters
(Clear Channel)



Existing Non-Advertising Bus Benches

(City Owned)



Existing Non-Advertising Bus Benches

(City Owned)





