



SOUTH GATE CITY COUNCIL REGULAR MEETING AGENDA

Tuesday, October 13, 2020 at 6:30 p.m.

TELECONFERENCE

DIAL-IN-NUMBER: 1 (669) 900-6833

MEETING ID: 842 8798 5059

<https://us02web.zoom.us/j/84287985059>

I. Call To Order/Roll Call With Invocation & Pledge

| | |
|-----------------------------|---|
| CALL TO ORDER | Maria Davila, Mayor |
| INVOCATION | Reverend Sean Pica, Redeemer Lutheran Church |
| PLEDGE OF ALLEGIANCE | Joe Perez, former Director of Community Development |
| ROLL CALL | Carmen Avalos, City Clerk |

II. City Officials

| | |
|--|---|
| MAYOR Maria Davila | CITY CLERK Carmen Avalos |
| VICE MAYOR Al Rios | CITY TREASURER Gregory Martinez |
| COUNCIL MEMBERS Maria del Pilar Avalos Denise Diaz Gil Hurtado | CITY MANAGER Michael Flad |
| | CITY ATTORNEY Raul F. Salinas |

COVID 19 Meeting Procedures

Pursuant to Governor Newsom's Executive Order N-29-20, dated March 17, 2020, members of the South Gate City Council, staff, and the public will participate in the October 13, 2020 meeting via a

teleconference. To avoid exposure to COVID-19 this meeting will be held with City Council Members participating via teleconference by calling Dial-in-Number: 1 (669) 900-6833 and Meeting ID: 842 8798 5059 and <https://us02web.zoom.us/j/84287985059>

Additionally, you may submit your comments electronically by emailing the City Clerk at cavalos@sogate.org.

Procedure for Participation:

Any person wanting to participate may request to “speak” on an agenda item. Once acknowledged and authorized by the Mayor the person may speak. Alternatively, any person may submit comments on an item electronically by emailing cavalos@sogate.org. Submissions by email must be received 30 minutes prior to the posted start time of the meeting if emailing subject.

Subject line should read: **COMMENTS FOR ITEM _____, MEETING OF OCTOBER 13, 2020.**

Please note, you will enter the meeting muted, but if you want to comment on an Agenda Item or during the public comment portion of the Agenda, raise your hand or press *9 at the appropriate time indicated by the Mayor. When you are selected to speak, you will hear that you are unmuted, this is the time to make your public comments. Your patience with these changes is appreciated as the City adjusts to new ways of conducting business during the COVID-19 pandemic. Thank you.

Accessibility: Reasonable accommodations for individuals with disabilities will be handled on a case-by-case basis and in accordance with the Americans with Disabilities Act and Governor Newsom’s Executive Order N-29-20. Please call the Office of the City Clerk at 323.563.9510.

III. Meeting Compensation Disclosure

Pursuant to Government Code Section 54952.3: Disclosure of compensation for meeting attendance by City Council Members is \$650 monthly regardless of the amount of meetings.

IV. Proclamations, Certificates, Introductions And Ceremonial Actions

1. Proclamation To Joe Perez In Recognition Of His Four Years Of Dedicated Service

The City Council will issue a Proclamation to Joe Perez in recognition for his four years of dedicated service to the City and to wish him well in his future endeavors. (CD)

Documents:

[ITEM 1 REPORT 101320.PDF](#)

2. Proclamation Declaring The Month Of October 2020 As National Domestic Violence Awareness Month

The City Council will issue a Proclamation declaring the month of October 2020, as National Domestic Violence Awareness Month in the City of South Gate. (PD)

Documents:

[ITEM 2 REPORT 101320.PDF](#)

3. Proclamation Declaring The Month Of October 2020 As National Crime Prevention Awareness Month

The City Council will issue a Proclamation declaring the month of October 2020, as National Crime Prevention Month in the City of South Gate. (PD)

Documents:

[ITEM 3 REPORT 101320.PDF](#)

4. Certificates Of Appreciation To 19 Recipients Of The Commission For South Gate Youth Scholarships

The City Council will present Certificates of Appreciation to 19 students in recognition of being selected as the 2020 Commission for South Gate Youth scholarship recipients. (PD)

Documents:

[ITEM 4 REPORT 101320.PDF](#)

5. Appointments To The City Council Waste Management Subcommittee

The City Council will consider selecting two City Council Members to serve on the Waste Management Subcommittee. (ADMIN SRVS)

Documents:

[ITEM 5 REPORT 101320.PDF](#)

V. Public Hearings

6. Resolutions Approving Three Affordable Housing Waivers For The Legacy Apartments Project And An Affordable Housing Agreement With 10130 Adella LLC

The City Council will conduct a Public Hearing to consider: (CD)

a. Accepting the determination that the Legacy Apartments is exempt under California Environmental Quality Act (CEQA) Article 19 (Categorical Exemptions) 14 CCR § 15332, In-Fill Development Projects, Class 32;

b. Adopting a **Resolution** _____ approving three (3) affordable housing waivers, as permitted by South Gate Municipal Code Section 11.31.050 (Incentives), for the Legacy Apartments to be located at 10130 Adella Avenue in South Gate (APN: 6221-026-020), to include twelve (12) affordable units to low income households for no less than 55 years; and

c. Adopting a **Resolution** _____ approving the Affordable Housing Agreement (**Contract** _____) with 10130 Adella LLC for the Legacy Apartments to be located at 10130 Adella Avenue in South Gate.

Documents:

[ITEM 6 REPORT 101320.PDF](#)

VI. Comments From The Audience

During this time, members of the public and staff may address the City Council regarding any items within the subject matter jurisdiction of the City Council. Comments from the audience will be limited to five (5) minutes per speaker; unless authorized by the Mayor, the time limit may not be extended by utilizing another member's time. There will be no debate or action on items not listed on the agenda unless authorized by law.

Note: The City Council desires to provide all members of the public with the opportunity to address the Council. Nevertheless, obscene language, comments intended to disrupt or interfere with the progress of the meeting or slanderous comments will not be tolerated and may result in ejection and/or may constitute a violation of South Gate Municipal Code Section 1.04.110.

VII. Reports And Comments From City Officials

During this time, members of the City Council will report on matters pertaining to their service on various intergovernmental boards and commissions as a representative of the City pursuant to Assembly Bill 1234. City Council Members will also have an opportunity to comment on matters not on the agenda.

Following the City Council Members, reports and comments will be heard by the City Clerk, City Treasurer, City Manager and Department Heads.

VIII. Consent Calendar Items

Agenda Items **7, 8, 9, 10, and 11** are consent Calendar Items. All items

including Ordinances, Resolutions and Contracts, may be approved by adoption of the Consent Calendar, individually and collectively by one (1) motion. There will be no separate discussion of these items unless Members of the City Council, the public, or staff request that specific items be removed from the Consent Calendar for separate discussion and action.

Any Motion to introduce or adopt an Ordinance on the Consent Calendar shall be: (1) a motion to waive the reading of the Ordinance and introduce the Ordinance or (2) a motion to waive the reading of the Ordinance and adopt the Ordinance, as appropriate.

7. Resolution Extending The City's Local Emergency As A Result Of The Ongoing COVID-19 Pandemic

The City Council will consider adopting a **Resolution** _____ extending the Local Emergency within the City as a result of the ongoing Coronavirus Disease 2019 pandemic. (Admin)

Documents:

[ITEM 7 REPORT 101320.PDF](#)

8. Resolution Appointing Paul L. Adams As The Interim Community Development Director And Approving Employment Agreement

The City Council will consider: (ADMIN SRVS)

- a. Adopting a **Resolution** _____ appointing Paul L. Adams as Interim Director of Community Development and approving Employment Agreement effective October 19, 2020; and
- b. Authorizing the Mayor to execute the Employment Agreement (**Contract** _____) in a form acceptable to the City Attorney.

Documents:

[ITEM 8 REPORT 101320.PDF](#)

9. Resolution Extending The City's Local Emergency As A Result Of The Ongoing COVID-19 Pandemic

The City Council will consider: (PARKS)

- a. Approving Amendment No. 1 to Contract No. 3153 with Fiesta de Carnival extending the Concession Agreement for the Production of Special Event Carnivals through December 31, 2021; and
- b. Authorizing the Mayor to execute Amendment No. 1 in a form acceptable to the City Attorney.

Documents:

10. Purchase Order To MGT Consulting For Four Firewall Installation Services And One Year Of Maintenance

Authorizing the issuance of a Purchase Order to MGT Consulting, in the amount of \$102,736.15, for four (4) firewalls, firewall installation services and one (1) year of maintenance. (ADMIN SRVS)

Documents:

[ITEM 10 REPORT 101320.PDF](#)

11. Minutes

The City Council will consider: (CLERKS)

A. Approving the Regular and Special City Council Meeting minutes of September 8, 2020.

B. Approving the Regular and Special City Council Meeting minutes of September 22, 2020.

Documents:

[ITEM 11 REPORT 101320.PDF](#)

IX. Reports, Recommendations And Requests

12. Summary Report Of The Free Public WiFi Access In The Tweedy Mile District And South Gate Park Areas And Direction To Staff

The City Council will consider: (CD)

a. Receiving and filing a summary report pertaining to the free public wireless (Wi-Fi) network access in the Tweedy Mile District and South Gate Park areas; and

b. Selecting one of the options below on how to proceed with implementing the free public Wi-Fi access in these two designated areas:

1. The **First Option** is to move forward with implementing the free public Wi-Fi access independently and issue a Request for Proposals (RFP); **OR**

2. The **Second Option** is to move forward with working with Spectrum/Charter Communications under a Public Private Partnership; **OR**

3. The **Third Option** is to move forward with both the RFP process and continue working with Spectrum/Charter Communications as a paralleled approach.

Documents:

[ITEM 12 REPORT 101320.PDF](#)

13. Warrants

The City will consider: (ADMIN SVCS)

a. Approving Check No.90041 from September 22, 2020.

b. Approving the Warrant register for October 12, 2020.

| | |
|---------------------------------------|----------------|
| Total of Checks: | \$4,145,426.73 |
| Voids: | (\$30,817.03) |
| Total Payroll Deductions (FY 2020/21) | (\$661,488.37) |
| Grand Total: | \$3,453,121.33 |

Cancellations:

85531,88892,89582,89664,89840,90086,90129,90159

Documents:

[ITEM 13A REPORT 101320.PDF](#)

[ITEM 13B REPORT 101320.PDF](#)

X. Adjournment

I, Carmen Avalos, City Clerk, certify that a true and correct copy of the foregoing Meeting Agenda was posted October 7, 2020 at 5:40 p.m. as required by law.

Carmen Avalos, CMC
City Clerk

Materials related to an item on this Agenda submitted to the City Council after distribution of the agenda packet are available for public inspection in the City Clerk's Office

8650 California Avenue, South Gate, California 90280
(323) 563-9510 * fax (323) 563-5411 * www.cityofsouthgate.org

In compliance with the American with Disabilities Act, if you need special assistance to participate in the City Council Meetings, please contact the Office of the City Clerk.

Notification 48 hours prior to the City Council Meeting will enable the City to make reasonable arrangements to assure accessibility.

RECEIVED

City of South Gate

Item No. 1

OCT 6 - 2020

CITY COUNCIL

CITY OF SOUTH GATE
OFFICE OF THE CITY MANAGER

10:10 am

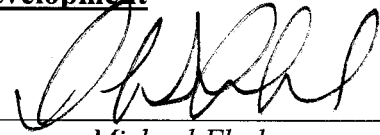
AGENDA BILL

For the Regular Meeting of: October 13, 2020
Originating Department: Community Development

Acting Director:


Dianne Guevara

City Manager:


Michael Flad

SUBJECT: PROCLAMATION RECOGNIZING JOE PEREZ FOR HIS FOUR YEARS OF DEDICATED SERVICE TO THE CITY OF SOUTH GATE

PURPOSE: To recognize Joe Perez, former Community Development Director, for his years of service to the City.

RECOMMENDED ACTION: Mayor Maria Davila will issue a Proclamation to Joe Perez in recognition for his four years of dedicated service to the City and to wish him well in his future endeavors.

FISCAL IMPACT: None.

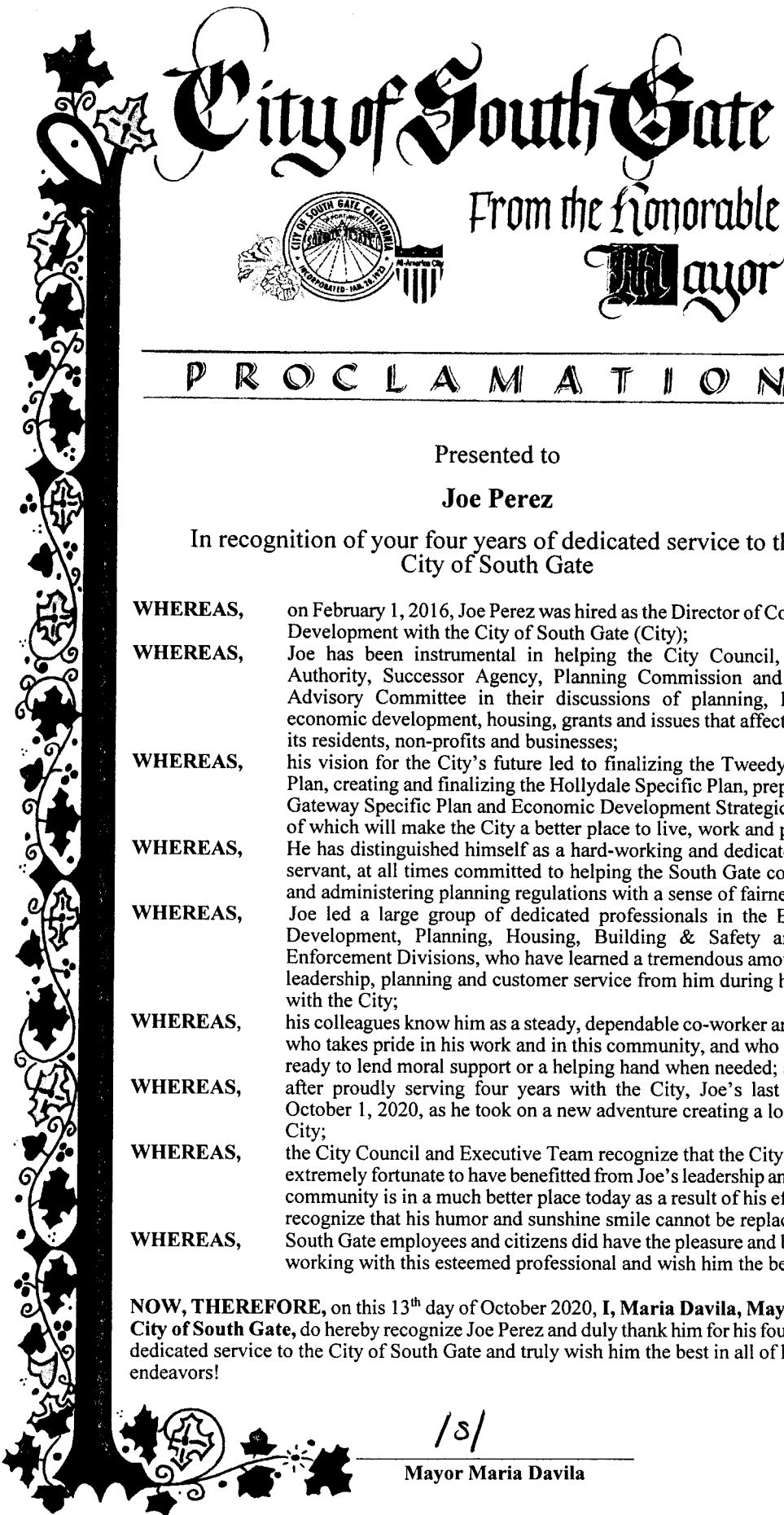
ANALYSIS: None.

BACKGROUND: On February 1, 2016, Joe Perez was hired as the Director of Community Development with the City of South Gate. Since then, Joe had been instrumental in helping the City Council, Housing Authority, Successor Agency, Planning Commission, and Citizen Advisory Committee, in their discussions related to City planning, land use, economic development, housing, grants and various projects that affect the City, its residents, non-profits, and businesses.

His vision for the City's future led to finalizing the Tweedy Specific Plan, creating and finalizing the Hollydale Specific Plan, preparing the Gateway Specific Plan, and Economic Development Strategic Plan, all of which will make the City a better place to live, work and play. Joe led a large group of dedicated professionals in the Economic Development, Planning, Housing, Building & Safety and Code Enforcement Divisions, who have learned a tremendous amount about leadership, planning and customer service from him during his tenure with the City. After proudly serving four years with the City, Joe's last day was October 1, 2020, as he took on a new adventure. The City Council and Executive Team recognize that the City has been extremely fortunate to have benefitted from Joe's leadership and that the community is in a much better place today as a result of his efforts.

The City Council wishes to recognize Joe for all of his hard work and wish him well in his future endeavors.

ATTACHMENT: Proclamation.



City of South Gate



From the Honorable
Mayor

P R O C L A M A T I O N

Presented to
Joe Perez

In recognition of your four years of dedicated service to the
City of South Gate

- WHEREAS, on February 1, 2016, Joe Perez was hired as the Director of Community Development with the City of South Gate (City);
- WHEREAS, Joe has been instrumental in helping the City Council, Housing Authority, Successor Agency, Planning Commission and Citizens Advisory Committee in their discussions of planning, land use, economic development, housing, grants and issues that affect the City, its residents, non-profits and businesses;
- WHEREAS, his vision for the City's future led to finalizing the Tweedy Specific Plan, creating and finalizing the Hollydale Specific Plan, preparing the Gateway Specific Plan and Economic Development Strategic Plan, all of which will make the City a better place to live, work and play;
- WHEREAS, He has distinguished himself as a hard-working and dedicated public servant, at all times committed to helping the South Gate community and administering planning regulations with a sense of fairness;
- WHEREAS, Joe led a large group of dedicated professionals in the Economic Development, Planning, Housing, Building & Safety and Code Enforcement Divisions, who have learned a tremendous amount about leadership, planning and customer service from him during his tenure with the City;
- WHEREAS, his colleagues know him as a steady, dependable co-worker and friend, who takes pride in his work and in this community, and who is always ready to lend moral support or a helping hand when needed; and
- WHEREAS, after proudly serving four years with the City, Joe's last day was October 1, 2020, as he took on a new adventure creating a loss for the City;
- WHEREAS, the City Council and Executive Team recognize that the City has been extremely fortunate to have benefitted from Joe's leadership and that the community is in a much better place today as a result of his efforts and recognize that his humor and sunshine smile cannot be replaced; and
- WHEREAS, South Gate employees and citizens did have the pleasure and benefit of working with this esteemed professional and wish him the best;

NOW, THEREFORE, on this 13th day of October 2020, **I, Maria Davila, Mayor of the City of South Gate**, do hereby recognize Joe Perez and duly thank him for his four years of dedicated service to the City of South Gate and truly wish him the best in all of his future endeavors!

/s/

Mayor Maria Davila

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OCT 6 - 2020

City of South Gate
CITY COUNCIL

Item No. 2

CITY OF SOUTH GATE
OFFICE OF THE CITY MANAGER

9:55am

AGENDA BILL

For the Regular Meeting of: **October 13, 2020**

Originating Department: **Police**

Department Director:

Randall Davis
Randall Davis

City Manager:

Michael Flad
Michael Flad

SUBJECT: PROCLAMATION DECLARING THE MONTH OF OCTOBER AS NATIONAL DOMESTIC VIOLENCE AWARENESS MONTH

PURPOSE: To declare October as National Domestic Violence Awareness Month.

RECOMMENDED ACTION: Mayor Maria Davila will issue a Proclamation declaring the month of October 2020, as National Domestic Violence Awareness Month in the City of South Gate.

FISCAL IMPACT: No impact to the General Fund.

ANALYSIS: None.

BACKGROUND: In 1989, the U.S. Congress passed Public Law 101-112 designating October as National Domestic Violence Awareness Month. During the month of October, the Family Violence Prevention and Education Program will be providing domestic violence resources, information, and purple ribbons to local agencies and organizations to bring awareness and resources to the community, especially during the COVID-19 pandemic which has made this population even more vulnerable.

ATTACHMENT: Proclamation

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City of South Gate

Item No. 3

OCT 6 - 2020

CITY COUNCIL

CITY OF SOUTH GATE
OFFICE OF THE CITY MANAGER

9:55 am

AGENDA BILL

For the Regular Meeting of: **October 13, 2020**

Originating Department: **Police**

Department Director:


Randall Davis

City Manager:


Michael Flad

SUBJECT: PROCLAMATION DECLARING THE MONTH OF OCTOBER AS NATIONAL CRIME PREVENTION MONTH

PURPOSE: To declare October as National Crime Prevention Month as it is designated nationwide.

RECOMMENDED ACTION: Mayor Maria Davila will issue a Proclamation declaring the month of October 2020, as National Crime Prevention Month in the City of South Gate.

FISCAL IMPACT: No impact to the General Fund.

ANALYSIS: National Crime Prevention Month reflects the strong belief that time, money and other resources spent on prevention yield tremendous benefits in reducing crime and making communities stronger, safer and better places to live, work and play. The City must build on our successes and continue to establish new partnerships to reduce crime.

BACKGROUND: The National Crime Prevention Council, the nation's focal point for stopping crime, in 1984 designated October as National Crime Prevention Month. The month-long celebration recognizes successful crime prevention efforts on the local, state and national levels, while promoting awareness of important issues such as victimization, volunteerism, and creating safer, more caring communities.

As part of National Crime Prevention Month, the Police Department hosted the 37th Annual National Night Out on October 6, 2020, to promote police-community partnerships and neighborhood camaraderie to make our neighborhoods safer, more caring places to live. National Night Out 2020 featured a caravan of police vehicles that traveled through several decorated neighborhoods and acknowledged our vigilant residents as partners in reducing crime.

ATTACHMENT: Proclamation.

City of South Gate



From the Honorable
Mayor

PROCLAMATION

Declaring the month of October 2020 as National Crime Prevention Month

WHEREAS, the vitality of the City of South Gate depends on how safe we keep our homes, neighborhoods, schools, workplaces and communities;

WHEREAS, crime and fear of crime destroy our trust in others and in institutions, threatening the community's health, prosperity and quality of life;

WHEREAS, people of all ages must be made aware of what they can do to prevent themselves, their families, neighbors and co-workers from being harmed by drugs, violence and other crimes;

WHEREAS, the personal injury, financial loss, and community deterioration resulting from crime are in tolerable and require investment from the whole community;

WHEREAS, crime prevention initiatives must include self-protection and security, but they must go beyond these to promote collaborative efforts to make neighborhoods safer for all ages and to develop positive educational and recreational opportunities for young people;

WHEREAS, adults must invest time, resources, and policy support in effective prevention and intervention strategies for youth, and teens must be engaged in driving crime from their communities; and

WHEREAS, effective crime prevention programs excel because of partnerships among law enforcement, other government agencies, civic groups, schools, faith communities, businesses and individuals as they help to nurture communal responsibility and instill pride.

NOW, THEREFORE, be it proclaimed on this 13th day of October 2020, that **I, Maria Davila, Mayor of the City of South Gate**, on behalf of the City Council, do hereby proclaim October 2020 as "Crime Prevention Month" in South Gate, and urge all citizens, government agencies, public and private institutions, and businesses to invest in the power of prevention and work together to make South Gate a safer, stronger, more caring community.

181

Mayor Maria Davila

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City of South Gate

Item No. 4

OCT 6 - 2020

CITY COUNCIL

CITY OF SOUTH GATE
OFFICE OF THE CITY MANAGER

9:55am

AGENDA BILL

For the Regular Meeting of: October 13, 2020

Originating Department: Police

Department Director: 
Randall Davis

City Manager: 
Michael Flad

SUBJECT: CERTIFICATES OF APPRECIATION TO THE 2020 COMMISSION FOR SOUTH GATE YOUTH SCHOLARSHIP RECIPIENTS.

PURPOSE: To recognize the 2020 Commission for South Gate Youth scholarship recipients.

RECOMMENDED ACTION: Mayor Maria Davila will present Certificates of Appreciation to 19 students in recognition of being selected as the 2020 Commission for South Gate Youth scholarship recipients.

FISCAL IMPACT: None.

ANALYSIS: In an effort to financially help students prepare for their professional careers, the Commission for South Gate Youth (Commission) awarded 18 \$1,000 college scholarships. The Commission also partnered with McDonald's to provide an additional \$1,000 scholarship to a student through the South Gate Community Scholarship Fund, for a total of 19 scholarships.

BACKGROUND: The South Gate Community Scholarship Fund (Fund) is an extension of the non-profit Commission established in 1989. The Fund was established for the purpose of providing scholarships to students in pursuit of post-secondary education and training. Scholarship recipients were selected based on their number of school activities, awards and honors, their time commitment and quality of leadership responsibilities in the community, and their statement pertaining to education and career goals, and academic record.

Mayor Maria Davila will present Certificates of Appreciation to the following 19 students in recognition of being selected as the 2020 Commission for South Gate Youth Scholarship recipients:

- | | | |
|-------------------------|--------------------|------------------------|
| Paola Morales | Cristal Ramirez | Joceline Rodriguez |
| Aramis Rosa | Saira Cazarez | Andy Cristales |
| Melodie Cuevas-Gonzalez | Nelid Rios-Morales | David Recendiz-Tostado |
| Gerardo Rochin | Alan Ulloa | Valerie Villatoro |
| Bryan Hernandez-Benitez | Veronica Ramirez | Emily Castillo-Lopez |
| Joshua Duarte | Jaime Lira | Elizabeth Martinez |
| | Cristian Moran | |

ATTACHMENT: None.

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Item No. 5

OCT 7 - 2020

City of South Gate
CITY COUNCIL

CITY OF SOUTH GATE
OFFICE OF THE CITY MANAGER

9:00am

AGENDA BILL

For the Regular Meeting of: October 13, 2020
Originating Department: Administrative Services

Department Director:


Jackie Acosta

City Manager:


Michael Flad

SUBJECT: APPOINTMENTS TO THE WASTE MANAGEMENT SUBCOMMITTEE

PURPOSE: To re-establish and make appointments to the ad hoc Waste Management Subcommittee.

RECOMMENDED ACTION: Select two City Council Members to serve on the Waste Management Subcommittee.

FISCAL IMPACT: None.

ANALYSIS: None.

BACKGROUND: At one time, an ad hoc Waste Management Subcommittee was convened to discuss issues related to the Waste Management franchise agreement. Although, the subcommittee has not met in some time, there are some issues related to the Waste Management franchise that have come up recently, so staff is requesting that the ad hoc Waste Management Subcommittee be re-established and two Council Members appointed so that a few meetings can be held to discuss these current issues.

ATTACHMENTS: None.

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OCT 6 - 2020

City of South Gate
CITY COUNCIL

Item No. 6

CITY OF SOUTH GATE
OFFICE OF THE CITY MANAGER

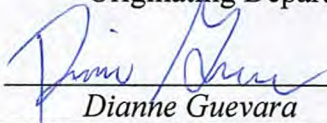
11:05am

AGENDA BILL

For the Regular Meeting of: October 13, 2020

Originating Department: Community Development

Acting Director:


Dianhe Guevara

City Manager:


Michael Flad

SUBJECT: THREE WAIVERS FOR THE CONSTRUCTION OF A 78-UNIT APARTMENT HOUSING DEVELOPMENT WITH TWELVE AFFORDABLE UNITS AND AFFORDABLE HOUSING AGREEMENT AT 10130 ADELLA AVENUE

PURPOSE: To consider the Planning Commission’s recommendation to approve three (3) affordable housing waivers and an Affordable Housing Agreement for the proposed Legacy Apartments project to be located at 10130 Adella Avenue. At the regular City Council meeting of September 8, 2020, the City Council conducted a public hearing, took public comments, and directed that this item be rescheduled to allow the applicant time to consider providing additional affordable units and private open space such as balconies.

- RECOMMENDED ACTIONS:** Following the conclusion of the Public Hearing:
- a. Accept the determination that the Legacy Apartments is exempt under California Environmental Quality Act (CEQA) Article 19 (Categorical Exemptions) 14 CCR § 15332, In-Fill Development Projects, Class 32;
 - b. Adopt Resolution approving three (3) affordable housing waivers, as permitted by South Gate Municipal Code Section 11.31.050 (Incentives), for the Legacy Apartments to be located at 10130 Adella Avenue in South Gate (APN: 6221-026-020), to include twelve (12) affordable units to low income households for no less than 55 years; and
 - c. Adopt Resolution approving the Affordable Housing Agreement with 10130 Adella LLC for the Legacy Apartments to be located at 10130 Adella Avenue in South Gate.

FISCAL IMPACT: None.

PUBLIC NOTIFICATION: Advertising and notification of this item was conducted in compliance with Title 11 (Zoning), Chapter 11.50 (Administration), Section 11.50.020 (Public Hearing Notice) of the South Gate Municipal Code and the California Environmental Quality Act. Notice was mailed to property owners and addresses within 1,000 feet of the project on October 1, 2020. In addition, notice of the October 13, 2020 City Council public hearing was published in the “Los Angeles Wave” newspaper on October 1, 2020.

ALIGNMENT WITH CITY COUNCIL GOALS: The approval of the affordable housing incentive and waivers supports the City Council Goal of “creating and protecting strong neighborhoods” by requiring landscaping, building, site, off-site improvements to enhance pedestrian environment and urban character in the area; providing housing that includes units affordable to low income households for a period of no less than 55 years; and creating a neighborhood connection to the Los Angeles River’s future bike and pedestrian paths.

ENVIRONMENTAL EVALUATION: An Initial Study was prepared for the proposed Legacy Apartments (“Project”). The Initial Study demonstrates that the proposed Project qualifies for a Categorical Exemption under Class 32 (In-fill Project) Section 15332 of the California Environmental Quality Act (CEQA). Class 32 consists of projects characterized as in-fill development which meet the conditions described as follows: (a) The Project is consistent with the applicable general plan design and regulations; (b) The proposed development occurs within city limits on a project site of no more than five acres substantially surrounded by urban uses; (c) The project site is not deemed a valuable habitat for endangered, rare or threatened species; (d) Approval of the Project would not result in any significant effects relating to traffic, noise, air quality, or water quality; and (e) The site can be adequately served by all required utilities and public services utilities and public services.

ANALYSIS: This request for relief from specific provisions of the South Gate Municipal Code was made by Gonzales-Goodale Architects and Newport Ventures for the construction of Legacy Apartments was originally considered by the City Council at their regular meeting of September 8, 2020. The proposed apartment development originally consisted of a four-story, 78-unit apartment community with four (4) units covenanted as income-restricted for Very Low Income households at 10130 Adella Avenue. At the September 8th City Council meeting, the Council requested that the applicant consider providing 10-15 affordable units and additional private open space such as balconies. As requested, the applicant reviewed the proposed Project and has increased the number of affordable units from four (4) units made available to Very Low Income households to twelve (12) units made available to Low Income households. The total number of units will remain at 78 units. This is an increase from 5% affordable units to 15% affordable units. The unit mix of the affordable units will be four (4) 1-bedroom units and eight (8) 2-bedroom units to provide more of an opportunity for families. The applicant has considered providing the additional private open space areas, but has determined that the inclusion of such areas would make the project financially infeasible. As a result, the applicant still requests the private open space waiver.

Since the September 8th City Council meeting, we have received correspondence from the property owner of the neighboring business, Right Way Express, stating she is “definitely in favor of the proposed project...because it will not only continue to improve the area and meet the city’s housing needs, but it will also detract from immediate homelessness, blithe [sic] and idle-area related crime...” See attached email.

The property is located at 10130 Adella Avenue and was previously owned and operated by Riverton Steel for metal fabrication. The lot measures 2.02 acres and is currently vacant. Surface parking will provide 114 parking stalls for the residents, guest and employees. Surrounding uses consist of the Legacy High School Sports Complex to the north, the International Studies Learning Center to the northwest, Southern California Edison right of way to the south and single family residences to the south of the Southern California Edison right of way. Directly east of the subject site is an existing 1.1 acre site that is currently operating as a trucking and warehousing business (Right Way Express) and east of that property is the Los Angeles River.

The proposed Legacy Apartments is permitted in the Industrial Flex zoning district and subject to an Administrative Plan Review approved by the Director of Community Development. Although the proposal is less than the maximum density permitted, the affordable housing component includes requested waivers, which must be approved by the City Council as defined in the South Gate Municipal Code Chapter 11.31 Density Bonus for Affordable Housing.

Building and Site Design

The Legacy Apartments is a proposed 78-unit apartment complex at the southeast corner of Legacy Lane and Adella Avenue across from the Legacy High School Sports Complex and International

Studies Learning Center. Forty-six (46) one-bedroom units and 32 two-bedroom units will be located in two four-story courtyard buildings. The one-bedroom units vary in size from 600 – 888 square feet and the two-bedroom units range in size from 926-1,123 square feet. Each of the buildings is 85,791 square feet and will have two rooftop decks and 3 patios per building to be used by the residents as common open space. The west courtyard is designed with a centrally located play structure for young children and seating for adults. The eastern courtyard will include plots for vegetable gardens and seating areas. A landscaped entry plaza connects the two buildings. At-grade parking will be provided along the south and east property lines. Public improvements along Legacy Lane and Adella Avenue will be replaced with meandering sidewalks and expanded landscaping and street trees that will create a pedestrian friendly environment.

The apartment buildings are designed in a modern style that complements the architecture at the new International Studies Learning Center to the north. Building materials will include stucco in white and grey; metal standing seam siding; and Nichiha rainscreen siding in a faux wood appearance and color. Landscape design will complement the architectural style of the building and make use of native species and drought tolerant plants. Pedestrian scale elements on the buildings complement the landscaped street frontage along Adella Avenue and Legacy Lane. Decorative split face walls and wrought iron fencing with metal screening gates will surround the site.

The Project generally meets the development standards outlined in the Tweedy Boulevard Specific Plan and the South Gate Municipal Code. The proposed 78 units are slightly less than the maximum 40 units per acre or 80 units permitted on the 2.02-acre site. The two proposed 4-story courtyard buildings are 44' 6" high, which are less than the maximum 50' height permitted in this zoning district. Parking for multi-family is calculated based on number of bedrooms per unit. One space is required for studio and one-bedroom apartments. Two spaces are required for two-bedroom units. A total of 114 parking spaces is being proposed which exceeds the code requirement. Of the 114 parking spaces, 110 spaces will be allocated to residential units and 4 spaces will be available for guests. The parking will be provided by an L-shaped surface parking lot located at the south and east property lines.

Table 1. Multi-Family Parking Requirements for the IF Zoning District

| Type of Unit | Parking /Unit | No of Units | Parking Required |
|-------------------------------------|-------------------------|-------------|------------------|
| Efficiency/Studio/One-Bedroom Units | 1 assigned to each unit | 46 | 46 |
| Two-Bedroom and Three-Bedroom Units | 2 assigned to each unit | 32 | 64 |
| Number of Units Required | | 78 | 110 |

Source: South Gate Municipal Code Section 11. 133.050 Table 11-33-4 Mixed Use Parking Requirements

Project drawings including site plans, elevations and landscape plans are presented in Attachment F. As part of the conditions of approval, the applicant will be required to provide enhanced paving at the driveway entrances that include decorative concrete that is stamped and stained, screened wrought iron (tubular steel) gates and enhanced landscaping. Applicants will be required to prepare a Master Wall and Fencing Plan to be approved by the Director of Community Development. The Master Plan will describe wall and fencing design, materials, colors and lighting. Decorative block walls will be required along the east and south property lines. A continuous combination of 8' high walls and fences will be required to enclose the Project and provide security for the residents. Landscaping and lighting in the front yard setback and parkway shall be designed to complement the pedestrian amenities, low walls and trellises, and to reduce opportunities for graffiti and to create an attractive,

safe environment. The existing K-rails on Adella Avenue will be replaced with bollards to block vehicular traffic.

At the July 23, 2020, Special Planning Commission meeting, the Planning Commission requested bike racks to be added to the project to facilitate alternative modes of transportation for visitors and also to promote access to the Los Angeles River. As a result, the applicant included decorative bike racks in the center courtyard outside of the entry gate and also towards the western end of the property near the gated driveway entry (see Site Plan A1.01). The Planning Commission also requested additional exterior vertical landscaping. The applicant has revised plans to include green walls on the west elevation of Building A and east elevation of Building B. They are indicated on Sheets A3.02 (Exterior Elevations Building A) and A3.04 (Exterior Elevations Building B) of the attached set of plans.

Traffic

Blodgett Baylosis Environmental Planning prepared an Environmental Analysis and Checklist assessing the impacts of the proposed multi-family apartment project at 10130 Adella Avenue and the subsequent Categorical Exemption in July 2020 (Attachment G).

Transportation and circulation is included in the categories examined as part of the analysis and checklist. Project trip generations are estimated using trip generation rates derived from the Institute of Transportation Engineer (ITE) 10th Edition Trip Generation Handbook. The project's daily trips are presented in Table A-4 of Attachment G. As shown in Table A-4, the project is anticipated to generate approximately 424 trips per day, with 28 trips occurring during the morning (AM) peak hour and 34 trips occurring during the evening (PM) peak hour.

The Los Angeles County Metropolitan Congestion Management Plan (CMP) establishes criteria to determine when an individual project has the potential to generate significant regional traffic impacts. The criteria require analysis when a project will:

- Add 50 or more trips to a CMP monitored intersection during a weekday peak hour; or
- Add 150 or more trips to a CMP monitored freeway during a weekday peak hour.

The California Environmental Quality Act (CEQA) requires the closest CMP monitored intersection to be used in the analysis of transportation and circulation impacts. Therefore, the CMP monitored intersection of Atlantic Avenue and Firestone Boulevard was identified in the analysis; however at the Planning Commission meeting of July 23, 2020 concerns were raised pertaining to traffic impacts to the neighborhood south of the proposed site and surrounding intersections. As a result an additional analysis was conducted by Blodgett Baylosis Environmental Planning. The results are summarized below:

Tweedy Boulevard and Legacy Lane Intersection

Blodgett Baylosis Environmental Planning has also indicated that the trip generation of 28 AM peak trips and 24 PM peak trips is deemed to not be a significant impact to the intersection of Tweedy Boulevard and Legacy Lane as they are below the 50 peak trip threshold.

Atlantic Avenue and Wood Avenue Intersection

Blodgett Baylosis Environmental Planning estimates a total of thirty percent of the Project's traffic to utilize the intersection of Atlantic Avenue and Wood Avenue. Vehicles are expected to travel northbound during the AM peak time and southbound on Atlantic during the PM peak time. Therefore, the increase in peak trips is estimated to be an additional 9 AM peak trips and 11 PM peak trips. This is also well below the 50 trips increase threshold.

Tweedy Boulevard and Atlantic Avenue Intersection

A former method used to determine significant impacts of a proposed Project measured changes in volume to capacity (V/C) and level of service (LOS). V/C is the ratio between the volume or number of vehicles using the intersection, and the capacity of an intersection. When volume is at or below capacity, traffic flows freely. However, when volume exceeds capacity, traffic slows down and delays occur. In traffic studies, V/C may also be referred to as Delay. LOS is a scale that measures operating conditions at an intersection. The scale measures the deterioration of traffic flow as volumes increase. The scale starts with A being the ideal and F the worst condition.

Under this method, the impacts of a project is considered significant when the project results in a deterioration in the LOS. For example, if a project causes the LOS to deteriorate from D to E, it is a significant impact. If an intersection has a pre-project LOS C a percent increase in V/C of .04 or more will result in a significant impact. For intersections with a pre-project LOS D the threshold is .02 or more; and at intersections with LOS E or F the threshold is .01 or more.

According to the South Gate General Plan 2035, the intersection of Tweedy Boulevard and Atlantic Boulevard has a LOS E for the AM peak hour and a LOS D for the PM peak hour. While all of the project's entering or exiting trips will be utilizing this intersection, the increase of 28 AM peak trips and 34 PM peak trips will not affect the LOS and therefore is not considered a significant impact even under this methodology.

Neighborhood to the South

Another concern that was raised during the Planning Commission meeting of July 23, 2020, pertained to access on Adella to the residential neighborhood directly to the south of the proposed Project. Access will continue to be blocked on Adella by permanent bollards that will replace the temporary K-rails that are currently set up.

Chakemco Street Improvement Project

Additionally, inquiries of the status of the Chakemco Street Improvement Project were raised during the Planning Commission meeting of July 23, 2020. The Chakemco Street Improvement Project involves the full reconstruction of Chakemco Street, from Atlantic Avenue to Legacy Lane. The work will also include construction of new sidewalks on the north side of the street, construction of curb and gutters, drive approaches, wheelchair ramps, new pedestrian lighting on the north side, installation of new mid-block fire hydrant, construction of bulb out planters with new palms, infiltration planter at the southwest corner of Chakemco/Legacy Lane, striping, etc. New LED street lights have already been installed on existing SCE wood poles.

This Project was advertised and the City Council awarded a construction contract to Hardy and Harper, Inc. (\$470,000). The City also awarded a contract, after a competitive selection, to ERSC, Inc., to provide construction administration and inspection services for the Project. The contractor started preliminary work on the Project during the week of August 24th. Approval of the material submittals is underway and the pavement removal will begin soon. The Project is estimated to take 90 working days to complete and has an estimated completion timeline of December, 2020.

This Project is being funded by LAUSD as part of the high school/school complex project at Tweedy Blvd./Legacy Lane.

Affordable Units

Low Income households are defined by the US Department of Housing and Urban Development (HUD) as households with incomes that are less than 80% of the county median. Adjustments are made to reflect the number of persons in a household. The HUD 2020 Los Angeles County Income

Limit for a Low Income House with 4 members is \$90,100.

In the Legacy Apartments project, 12 units of the 78 units, which is 15%, will be income restricted to households with Low Incomes. Eight of the restricted income units will be (2) two-bedroom units and four will be (1) one-bedroom units. Marketing strategies that will target South Gate residents are detailed in the Affirmative Fair Housing Market Plan, attached as Exhibit B to the Affordable Housing Agreement.

Affordable Housing Relief from Development Standards

South Gate Municipal Code Section 11.31.050 Density Bonus for Affordable Housing, (Incentives) establishes the City's Density Bonus program to encourage development of affordable housing. The local ordinance is consistent with the California Government Code Section 65915. The state and local laws recognize that strict application of development standards can increase development costs and inhibit affordable housing development. Both provide two types of relief from local development standards, incentives or waivers. Local jurisdictions recognize affordable housing projects often need relief from local development standards even if they do not take advantage of the density bonus and make incentives available to all affordable housing projects.

Incentives are allocated by statute dependent on the number of affordable units and the level of affordability. As shown in the table below, projects that provide more affordable housing units with greater levels of affordability are allotted more incentives. The Legacy Apartments are providing 15% of their units to Low Income households.

In addition, California Government Code Section 65915 (e) prohibits the City from applying any development standard that will have the effect of physically precluding the construction of a development and establishes a procedure for developers to request that a development standard be waived for an affordable housing project. Although the Project developers are not requesting a density bonus, they are requesting relief from the following specific provisions of the South Gate Zoning Ordinance through the adoption of three waivers.

Originally, the applicant's request included the request for one (1) incentive to allow 4 of the parking spaces assigned to two-bedroom units to be designated as guest parking; however a change in the unit mix has resulted in the incentive not being necessary. Parking has not been reduced, but the change in unit mix allowed for the required number of assigned parking spaces to be met in addition to providing 4 guest parking spaces. Therefore, the request has been modified to include the three waivers described below:

Affordable Housing Waiver Request 1 – Private Open Space Requirement

South Gate Municipal Code Title 11 (Zoning), Chapter 11.23 (Development & Design Standards and Guidelines), Section 11.23.050A (Open space requirements) requires that at least 50% of the units have direct access to private open, balconies, patios or roof terraces. The Legacy Apartments project, by code, is required to provide 39 units with private open space that has a minimum of 36 square feet area and 6 feet width. The applicant has indicated that the increased costs associated with the construction of private open space would make it infeasible to provide the proposed twelve income-restricted units. However, the Project design provides substantial community open space in the form of two courtyards that are 3,888 square feet, a 4,336 central courtyard and 6 roof top common open space areas that are each 750 square feet.

Affordable Housing Waiver Request 2 – Building Frontage Type Requirement

To implement the goals and objectives of individual districts and the Tweedy Boulevard

Specific Plan, South Gate Municipal Code Title 11 (Zoning), Chapter 11.23 (Development & Design Standards and Guidelines), Section 11.23.080 (Guidelines for building frontage types) requires that new projects be developed with a specific Building Frontage Type. Residential projects in the Industrial Flex (IF) zoning district are required to use one of the following Building Frontage Types – Terrace/Stoop, Porch, or Front Yard to create a pedestrian friendly environment and connect where possible to the future amenities offered by the Los Angeles River Bikeway. Each of these three options requires that private open space be located at the ground level along the Legacy Lane and Adella Avenue frontages. The applicant asserts that security concerns and costs make it infeasible to meet the Building Frontage Requirement and still provide the four income restricted units. To achieve the goals of the zoning district without meeting the specific requirement, the Project incorporates public improvements and landscaping along the street frontage and the buildings have been designed with street facing living rooms.

Affordable Housing Waiver Request 3 – Allow Interior Trash and Recycling

South Gate Municipal Code Title 11 (Zoning), Chapter 11.23 (Development & Design Standards and Guidelines), Section 11.23.080 (Guidelines for building frontage types) requires multi-family projects to provide 16 square feet of outdoor recycling facilities for each unit. This amounts to a total of 1,248 square feet, or an area the size of seven parking spaces. The applicant is concerned that placing the trash collection facilities outside would affect the feasibility of the Project. The Project is designed to provide approximately 1,300 of interior space for trash and recycling. There is an interior trash enclosure of approximately 300 square feet on the ground floor of each building and smaller trash closets of approximately 25 square feet on each floor of each building.

Affordable Housing Agreement

The proposed Affordable Housing Agreement describes the waivers and affordability restrictions. Once approved, the applicant will record the agreement against the entire residential development. As required by the Municipal Code, the issuance of building permits by the Community Development Department will occur after execution of the Affordable Housing Agreement.

The Affordable Housing Agreement shall bind all future owners and successors in interest for the term of 55 years. The Affordable Housing Agreement requires an approved Affirmative Fair Marketing Plan, which demonstrates the marketing strategy designed to attract renters of all majority and minority groups. Highlights of the agreement include:

- Twelve (12) floating units designated for low-income households for a period of 55 years.
- The designated units will be constructed at the same schedule, design, appearance, materials, finished quality and interior amenities of the residential development.
- Construction of the residential development will commence on or before August 20, 2021, and will be completed on or before February 28, 2024.
- Designated units will be rented solely to income eligible households at not more than the applicable affordable rent.
- Reasonable steps to certify the income level of prospective occupants of a designated unit, at the time of the initial rental and to recertify such income levels annually thereafter will be taken.
- An annual occupancy report, detailing the present occupants, rent and size of each designated unit at the residential development and any other information which the City requests and which is related to the income eligibility of the occupants will be submitted to the City.

Affirmative Fair Marketing Plan

According to the South Gate Municipal Code Title 11 (Zoning), Chapter 11.23 (Development & Design Standards and Guidelines), Section 11.31.070 (Ground floor-retail and pedestrian-oriented uses), an Affirmative Fair Marketing Plan (Exhibit B) must accompany the Affordable Housing Agreement. The Affirmative Fair Housing Marketing Plan is a marketing strategy designed to attract renters of all majority and minority groups regardless of sex, handicapped, and familial status to affordable units that are being marketed. Marketing will be by direct referrals through the South Gate Housing Authority.

The following elements are a sample of the Affirmative Fair Housing Marketing Plan:

- Project Description
- Affirmative Fair Housing Marketing Procedures
- General Targeting
- Marketing and Outreach Activities
- Timeline and Details for Outreach and Marketing
- Application Process

General Plan and Zoning Conformance

On the General Plan District Map, the site is shown in the Tweedy Educational District (Attachment D). Neighborhood Medium High uses, including multi-family housing, are considered Desired Land Uses in this district. As part of the Tweedy Boulevard Specific Plan, the zoning designation is Industrial Flex (IF). Multi-family housing is permitted with an Administrative Plan Review approved by the Community Development Director.

The proposed Project is consistent with the following goals and objectives of the South Gate General Plan 2035:

- New construction will provide adequate on-site parking for residents (CD 4.4).
- The City shall pursue a variety of housing choices in Districts including both rental and ownership (CD 6.1).
- Iconic, high quality urban design and architecture should be pursued with new projects in all the Districts in order to improve the aesthetics of the City (CD 6.1).
- New development in Districts will be designed and developed to achieve a high level of quality and distinctive character and architecture (CD 6.2).
- New buildings and substantial remodels in Districts will be sited and designed to enhance pedestrian activity along sidewalks (CD 6.2).
- Design landscaping, buildings, and sites to enhance the pedestrian environment and enhance the urban character of the City's Districts (CD 6.2).
- The City will encourage innovated and quality architecture in the City with all new public and private projects (CD 8.1).
- Ensure high quality architecture and urban design throughout the City (CD 8.1).
- New multi-family buildings will be designed with attractive and inviting frontage on all public streets (CD 8.1).
- The City will encourage the use of density bonuses and provide other regulatory concessions to encourage affordable housing development (HE 1.3).

The proposed Project meets the following objectives:

- Addresses the state housing crisis
- Provides affordable housing units
- Eliminates a vacant blighted property

- Activates underutilized property
- Provides connection and access to the Los Angeles River, which will be revitalized as active pedestrian and bike paths

BACKGROUND: On July 23, 2020, the Planning Commission conducted a noticed public hearing and adopted PC Resolution No. 2020-04, recommending the City Council approve the affordable housing waivers, and require that 5% of the units at the 78-unit Legacy Apartment housing development be restricted (by covenant) for no less than 55 years to Very Low Income households. A copy of Resolution PC 2020-04 is attached.

On September 8, 2020, the City Council conducted a noticed public hearing to consider three (3) affordable housing waivers to allow 5% of the units at the 78-unit Legacy Apartment housing development to be restricted (by covenant) for no less than 55 years to Very Low Income households. Council directed staff to discuss with the applicant the feasibility of increasing the number of affordable units as well as the reconsideration of providing additional private open space. A noticed public hearing was scheduled for October 13, 2020 to reconsider the Project.

The City Council's approval of the affordable housing incentive and waivers requires an Affordable Housing Agreement for the Legacy Apartments.

PROJECT SUMMARY:

Applicant:

Laura Lehman
Gonzales-Goodale Architects
 135 West Green Street
 Pasadena, CA 91105

Dave Mossman
 Newport Ventures

Property Owner:

Greg Solaas
10130 Adella LLC
 1035 Geary Avenue
 Santa Fe Springs, CA 90670

Property Address:

10130 Adella Avenue
 South Gate, CA 90280

Assessor's Parcel Number: 6221-026-020

Existing Zoning:

Industrial Flex (IF)
 Tweedy Boulevard Specific Plan

General Plan Designation:

Tweedy Educational District

- ATTACHMENTS:**
- A: Proposed Resolution for Affordable Housing Waivers
 - B: Proposed Resolution including Affordable Housing Agreement
 - C: PC Resolution No. 2020-04
 - D: Zoning Map & General Plan Districts Map
 - E: Photos
 - F: Project Plans
 - G: Notice of Exemption
 - H: Responses to Traffic Concerns (Memorandum from Blodgett Baylous Environmental Planning)
 - I: Notice of Public Hearing
 - J: Letter from Applicant Requesting Waivers
 - K: Email from Right Way Express Inc.

**ATTACHMENT A: Proposed Resolution Approving
Affordable Housing Waivers**

RESOLUTION NO. _____

**CITY OF SOUTH GATE
LOS ANGELES COUNTY, CALIFORNIA**

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SOUTH GATE,
CALIFORNIA, APPROVING THREE (3) AFFORDABLE HOUSING
WAIVERS, AS PERMITTED BY SOUTH GATE MUNICIPAL CODE
SECTION 11.31.050 (INCENTIVES), FOR THE LEGACY APARTMENTS
TO BE LOCATED AT 10130 ADELLA AVENUE IN SOUTH GATE (APN:
6221-026-020), TO INCLUDE TWELVE (12) AFFORDABLE UNITS TO
LOW INCOME HOUSEHOLDS FOR NO LESS THAN 55 YEARS**

WHEREAS, on January 15, 2020, the Department of Community Development received an application from Gonzales-Goodale Architects and Newport Ventures representing the property owners 10130 Adella LLC for Administrative Plan Review No. 2020-01 to allow the construction of two 4-story multifamily residential buildings, with a total of 78 units, including twelve (12) affordable units at 10130 Adella Avenue, known as the Legacy Apartments (“Project”);

WHEREAS, that application included a request by the applicant that the City waive three (3) particular development requirements in connection with the City’s approval of the Project;

WHEREAS, an environmental assessment was prepared analyzing the potential impacts the proposed Project could have on the environment;

WHEREAS, studies and investigations were made and a staff report with recommendations was submitted;

WHEREAS, the submitted Affirmative Fair Marketing Plan meets the criteria as set forth by Section 11.31.070 (Affordable Housing Agreement) of the South Gate Municipal Code;

WHEREAS, the 2014 Housing Element calls for the City to “provide a range of housing prices, unit types, and sizes to accommodate the varied needs of all socioeconomic segments of South Gate, fostering a diverse and balanced community”;

WHEREAS, approval of the above-referenced waivers will increase the number of units available to low income households for no less than 55 years;

WHEREAS, at the conclusion of the duly noticed public hearing held at the special meeting of the Planning Commission on July 23, 2020, the Planning Commission adopted Resolution No. 2020-04 recommending that the City Council approve the three (3) affordable housing waivers;

WHEREAS, a public hearing notice was duly published in the Los Angeles Wave newspaper on October 1, 2020, and mailed to property owners and properties located within 1,000 feet of the Project site;

WHEREAS, the City Council, after conducting a duly noticed public hearing on October 13, 2020, has determined that the affordable housing waivers are consistent with the goals, policies and implementation measures set forth in the South Gate General Plan 2035 and the 2014 Housing Element and is authorized by Section 11.31.050 (Incentives) of the South Gate Municipal Code; and

WHEREAS, the City Council determines that the facts of this matter are as follows:

1. The South Gate Department of Community Development received a request to allow construction 78 multi-family units, including twelve (12) affordable units at 10130 Adella Avenue.
2. If the proposed Project is approved by the City Council, the Project will provide twelve (12) units that are income-restricted to Low Income Households as defined by the US Department of Housing and Urban Development. The income restricted housing units will include 4 one-bedroom units and 8 two-bedroom units.
3. The 2.02-acre project site is in the Tweedy Boulevard Specific Plan. The zoning designation is Industrial Flex (IF) and the South Gate General Plan 2025 identifies the site as within the Tweedy Educational District.
4. Multi-family projects are permitted in the Industrial Flex (IF) zoning district with an Administrative Plan Review approved by the Community Development Director.
5. The Industrial Flex (IF) zoning district allows up to 20 units per acre, or up to 80 unit on the 2.02 acre site without a density bonus.
6. Although the Project does not exceed the maximum number of units permitted by the zoning ordinance, the applicant finds that it is infeasible to construct the Project without relief from three requirements of the South Gate Municipal Code.
7. Pursuant to State Density Bonus Law 65159, projects with income-restricted units providing affordable housing may take advantage of the incentives and waivers offered by the statute even if the project does not need a density bonus.
8. California Government Code Section 65915 (e) prohibits the City from applying any development standard that will have the effect of physically precluding the construction of a development and establishes a procedure for developers to request that a development standard be waived for an affordable housing project.
9. The applicants are requesting relief from the South Gate Municipal Code Section 11.23.050A (Open Space Requirements) requirement of providing at least 50% of the units to have direct access to private open balconies, patios or roof terraces. Legacy Apartments by code is required to provide 39 units with private open balconies, patios or roof terraces. The applicants determined the costs associated with the construction of private open space would make it infeasible to provide the proposed twelve (12) income-restricted units.
10. The Tweedy Boulevard Specific Plan Section and South Gate Municipal Code Section 11.23.080 (Guidelines for Building Frontage Types) require that new projects be developed

with a specific Building Frontage Type. Residential projects in the IF zoning district are required to use one of the following Building Frontage Types – Terrace/Stoop, Porch or Front Yard. Each of these three options requires that private open space be located at the ground level along the Legacy Lane and Adella Street frontages. The applicant asserts that security concerns and costs make it infeasible to meet the Building Frontage Requirement and provide the twelve (12) income restricted units.

11. South Gate Municipal Code Section 11.25.080 (Guidelines for Building Frontage Types) requires multi-family projects to provide 16 square feet of outdoor recycling facilities for each unit, or 1,248 square feet, or an area the size of seven parking spaces. The applicants are concerned placing the trash collection facilities outside would affect the feasibility of the project.
12. South Gate Municipal Code Section 11.31.070 (Affordable Housing Agreement) requires that an Affordable Housing Agreement be entered into between the City and the developer of a housing project exercising the provisions the Density Bonus Ordinance including the granting of waivers to provide relief from local development standards.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF SOUTH GATE, CALIFORNIA, DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1. The City Council, pursuant to facts noted above, does hereby approve that relief from specific development standards through a combination of waivers as permitted by Section 11.31.050 (Incentives) of the South Gate Municipal Code. In return for this relief, the property owner commits to maintaining for no less than 55 years, twelve units (15% percent of the Project's 78 units) with rents affordable to Low Income Households in the Legacy Apartments project located at 10130 Adella Avenue, South Gate, California.

SECTION 2. The City Council hereby declares that the granting of the incentive and waivers is consistent with the goals, policies and implementation measures set forth in the South Gate General Plan 2035 and 2014 Housing Element.

SECTION 3. The City Council hereby declares that this Project is Categorically Exempt under Class 32 (In-fill Project) Section 15332 of the California Environmental Quality Act (CEQA). Class 43 consists of projects characterized as in-fill development meet in the conditions described as (a) The Project is consistent with the applicable general plan design and regulations. (b) The proposed development occurs within city limits on a project site of no more than five acres substantially surrounded by urban uses. (c) The Project site has no value as habitat for endangered, rare or threatened species. (d) Approval of the Project would not result in any significant effects relating to traffic, noise, air quality, or water quality. (e) The site can be adequately served by all required utilities and public services utilities and public services.

[Remainder of page left blank intentionally.]

SECTION 4. If any section, sentence, clause, or phrase of this Resolution is for any reason held to be invalid or unconstitutional by a decision of any court of any competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Resolution. The City Council hereby declares that it would have passed this Resolution, and each and every section, subsection, sentence, clause and phrase thereof not declared invalid or unconstitutional without regard to whether any portion of the ordinance would be subsequently declared invalid or unconstitutional.

SECTION 5. The City Clerk shall certify to the adoption of this Resolution which shall be effective upon its adoption.

PASSED, APPROVED and ADOPTED this 13th day of **October, 2020.**


CITY OF SOUTH GATE:

By: _____
Maria Davila, Mayor

ATTESTED:

By: _____
Carmen Avalos, City Clerk
(SEAL)

APPROVED AS TO FORM:

By:  _____
Raul F. Salinas, City Attorney

**ATTACHMENT B: Proposed Resolution Approving the
Affordable Housing Agreement**

RESOLUTION NO. _____

CITY OF SOUTH GATE
LOS ANGELES COUNTY, CALIFORNIA

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SOUTH GATE,
CALIFORNIA, APPROVING THE AFFORDABLE HOUSING AGREEMENT
WITH 10130 ADELLA LLC FOR THE LEGACY APARTMENTS TO BE
LOCATED AT 10130 ADELLA AVENUE IN SOUTH GATE

WHEREAS, on January 15, 2020, the Department of Community Development received an application from Gonzalez-Goodale and Newport Ventures for Administrative Plan Review No. 2020-01 to allow the construction of two 4-story multifamily residential buildings, with a total of 78 units, including twelve (12) affordable units at 10130 Adella Avenue, known as the Legacy Apartments (“Project”);

WHEREAS, as part of the approval, the applicant was required to submit an Affordable Housing Agreement and include an Affirmative Fair Marketing Plan;

WHEREAS, the submitted Affordable Housing Agreement attached hereto as Exhibit “A” and Affirmative Fair Marketing Plan attached hereto as Exhibit “B” meet the criteria as set forth by Section 11.31.070 (Affordable Housing Agreement) of the South Gate Municipal Code;

WHEREAS, the 2014 Housing Element calls for the City to “provide a range of housing prices, unit types, and sizes to accommodate the varied needs of all socioeconomic segments of South Gate, fostering a diverse and balanced community”; and

WHEREAS, at its regular meeting of October 13, 2020, the City Council conducted a duly noticed public hearing and adopted Resolution No. ____ determining that the Affordable Housing Agreement between the City of South Gate and 10130 Adella LLC is consistent with the goals, policies, and implementation measures set forth in the South Gate General Plan 2035 and 2014 Housing Element.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF SOUTH GATE, CALIFORNIA, DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1. The City Council, pursuant to the facts noted above, does hereby approve the Affordable Housing Agreement for the Legacy Apartments, attached hereto as Exhibit “A”, a 78-unit multifamily housing development including 12 affordable units to low income households to be located at 10130 Adella Avenue. The Affordable Housing Agreement describes the waivers and affordability restrictions. The applicant will record the agreement against the entire residential development. The approval and execution of the Affordable Housing Agreement shall take place prior to the issuance of building permits. The Affordable Housing Agreement shall bind all future owners and successors in interest for the term of 55 years. The Affirmative Fair Marketing Plan attached hereto as Exhibit “B” demonstrates the marketing strategy designed to attract renters of all majority and minority groups, regardless of sex, handicap, and familial status to assisted rental units that are being marketed.

SECTION 2. The approval of the Affordable Housing Agreement and Affirmative Fair Marketing Plan for the Legacy Apartments is consistent with the goals and objectives of the adopted 2014 Housing Element and the South Gate General Plan 2035.

SECTION 3. The foregoing Affordable Housing Agreement is exempt from the California Environmental Quality Act ("CEQA") under Section 15061(b)(3) of the CEQA Guidelines, which provides that CEQA only applies to projects that have the potential for causing a significant effect on the environment. Where, as here, it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment, the activity is not subject to CEQA.

SECTION 4. If any section, sentence, clause, or phrase of this Resolution is for any reason held to be invalid or unconstitutional by a decision of any court of any competent jurisdiction, such decision shall not affect the validity of the remaining portions of this resolution. The City Council hereby declares that it would have passed this Resolution, and each and every section, subsection, sentence, clause and phrase thereof not declared invalid or unconstitutional without regard to whether any portion of the ordinance would be subsequently declared invalid or unconstitutional.

SECTION 5. The Mayor is hereby authorized to execute the Affordable Housing Agreement in a form acceptable to the City Attorney.

SECTION 6. The City Clerk shall certify to the adoption of this Resolution which shall be effective upon its adoption.

PASSED, APPROVED and ADOPTED this 13th day of October 2020.


CITY OF SOUTH GATE:

By: _____
Maria Davila, Mayor

ATTESTED:

By: _____
Carmen Avalos, City Clerk
(SEAL)

APPROVED AS TO FORM:

By:  _____
Raul F. Salinas, City Attorney

RECORDING REQUESTED BY AND)
WHEN RECORDED MAIL TO:)
)
City of South Gate)
Director of Community Development)
8650 California Avenue)
South Gate, CA 90280)

This document is exempt from the payment of a recording fee pursuant to Government Code Sections 27383 and 6103

Exhibit "A"
AFFORDABLE HOUSING AGREEMENT
Legacy Apartments

This Affordable Housing Agreement (the "Agreement") is entered into as of this 13th day of October, 2020, by and between the City of South Gate, a California municipal corporation ("City"), and 10130 Adella LLC, a California limited liability company ("Owner"), as follows:

RECITALS

A. Owner is the owner of certain real property (the "Property") located within the City of South Gate, County of Los Angeles, State of California, commonly known as 10130 Adella Avenue, with the APN of : 6221-026-020, and legally described in Attachment "A" attached hereto and incorporated herein by reference; and

B. Owner intends to build a 78-unit apartment complex on the Property (the "Residential Development").

C. Chapter 11.31 ("Chapter 11.31") Density Bonus for Affordable Housing of the South Gate Municipal Code (the "Code") provides Incentives (defined in Chapter 11.31.050) to multi-family residential development projects that provide a set-aside of a specified percentage of all newly constructed dwelling units be developed, offered to and sold or rented to very low, low and moderate income households at an affordable housing cost; and

D. Table 11.31-3 Number of Incentives of the Code provides the number of incentives that shall be granted according to the percentage of set-aside units to be developed at each target group income level; and

E. Pursuant to the Chapter 11.31, Owner has agreed to restrict 12 units (15% of 78) to rental by Low-Income Households at an Affordable Rent; and

F. By agreeing to restrict 12 of the residential units on the Property to rental by Low-Income Households, at an Affordable Rent, Owner shall receive three (3) waivers, pursuant to the Chapter 11.31; and

G. City and Owner desire to enter into this Agreement pursuant to the provisions of Chapter 11.31; and

NOW, THEREFORE, in consideration of the mutual covenants and provisions contained herein, the parties agree as follows:

AGREEMENT

1. Recitals. The Recitals set forth above are true and accurate, and incorporated herein.
2. Code. The Code, as it now exists or may subsequently be amended, is incorporated into this Agreement.
3. Definitions. All defined terms, as indicated by initial capitalization, shall have the meanings set forth in Chapter 11.31 of the Code, except as expressly indicated otherwise. For purposes of this Agreement, the terms listed below shall have the meanings thereafter specified:
 - (a) “Adjusted for Household Size Appropriate for the Unit(s)” means for a household of one person in the case of a studio unit, two persons in the case of a one-bedroom unit and three persons in the case of a two-bedroom unit.
 - (b) “Affordable Rent” means the total rent including parking amenities such as a garage or carport, that, when added to the Utility Allowance, does not exceed a specified fraction of the gross monthly income, Adjusted for Household Size Appropriate for the Unit(s), as set forth below. Rents may be set at the California Tax Credit Allocation Committee allowable rents for a specific year for the Low Income Households, as that term is defined in this Agreement.
 - (c) “Designated Unit(s)” means a dwelling unit that will be offered for rent exclusively to a Low Income Households at an Affordable Rent pursuant to this Agreement. The Designated Units shall be “floating” units as set forth in Section 6 below; provided, however, all Designated Units shall be reasonably dispersed throughout the Residential Development as required by Section 11.31.060.B.1 of the Code.
 - (d) “Non-Designated Unit(s)” means those dwelling units in the Residential Development that are not Designated Unit(s).
 - (e) “Original Unit(s)” shall have the meaning defined in Section 6(b).
 - (f) “Owner” means the entity defined as such in the introductory paragraph of this Agreement, and includes all successors and assigns of that entity.
 - (g) “Property” shall have the meaning defined in Recital “A”.
 - (h) “Residential Development” shall have the meaning ascribed in Recital “B”.

(i) "Utility Allowance" means an amount designated by the City as a reasonable estimate of the cost of utilities for a Low Income Household, for purposes of calculating the applicable Affordable Rent.

(j) "Low Income Households" means households whose income does not exceed the low-income limits applicable to Los Angeles County as published and periodically updated by the California Department of Housing and Community Development pursuant to Section 50105 of the California Health and Safety Code.

4. Designated Unit(s).

(a) Owner hereby agrees that, for a period of 55 years from the date of recordation of this Agreement, 12 unit(s) in the Residential Development shall be reserved for rental exclusively by Low Income Households, at an Affordable Rent:

DESIGNATED UNIT DISTRIBUTION

| <u>INCOME GROUP</u> | <u>Number of Units</u> | <u>Size, Bedroom Count</u> |
|-----------------------|------------------------|---|
| Low-Income Households | 12 | 4 one-bedroom units; 8 two-bedroom units |

(b) The Designated Unit(s) shall be floating units as set forth in Section 6 below.

(c) The Designated Unit(s) shall be constructed at the same schedule, design, appearance, materials, finished quality and interior amenities of the Non-Designated Units. Construction of the Residential Development shall commence on or before August 20, 2021, and shall be completed on or before February 28, 2024.

(d) Attached hereto as Exhibit B is the affirmative fair marketing plan for the Residential Development which has been approved by the City.

5. Tenant Qualification for Rental Units; Income Limits and Affordable Rents.

(a) Owner agrees to rent the Designated Unit(s) solely to Low Income Households, at not more than the applicable Affordable Rent.

(b) Owner must take reasonable steps to certify the income level of prospective occupants of a Designated Unit, at the time of the initial rental, and to recertify such income levels annually thereafter. Owner shall request an income certification from the proposed occupant of the Designated Unit in one or more of the following methods, and Owner acknowledges that City may verify the occupant's income from time to time in order to ensure affordability of the Designated Units in accordance with the terms of this Agreement:

(i) Obtain three (3) paycheck stubs from the proposed occupant's three (3) most recent pay periods;

- (ii) Obtain a true copy of an income tax return from the proposed occupant for the most recent tax year in which return was filed;
- (iii) Obtain an income verification certification from the employer of the proposed occupant;
- (iv) Obtain an income verification certification from the Social Security Administration and/or the California Department of Social Services if the proposed occupant receives assistance from such agencies; or
- (v) Obtain an alternate form of income verification acceptable to the City's Director of Community Development.

(c) Owner shall apply the same rental terms and conditions to tenants of the Designated Unit(s) as are applied to all other tenants, except as otherwise required to comply with this Agreement (i.e., rent levels, occupancy restrictions and income requirements) and/or government subsidy programs. Discrimination based on subsidies received by the prospective tenant is prohibited.

(d) Owner shall submit tenant income certifications, including all backup documentation to City or its designee within 5 business days following written request by the City. On an annual basis, Owner shall submit to the City an occupancy report, detailing the present occupants, rent and size of each Designated Unit at the Residential Development, and any other information which the City requests and which relates to the income eligibility of the occupants. The City, in its discretion, may delegate verification of tenant income to the Housing Authority of the County of Los Angeles or to the Housing Authority of the City of South Gate.

6. Changes in Tenant Income.

(a) If after moving into a Designated Unit(s), and during the annual audit of tenant's income, it is determined that the tenant's income exceeds the income limit for that unit, the tenant may remain in the unit (the "Original Unit(s)") as long as the tenant's income does not exceed 140% of the income limit for the Original Unit(s). In that event, the applicable Affordable Rent shall be that charged to a tenant whose income does not exceed the income limit for the Original Unit(s).

(b) If after moving into a Designated Unit(s) the tenant's income eventually exceeds 140% of the income limit for the Original Unit(s), the following shall apply:

(i) If the tenant's income does not exceed the income limits of other Designated Unit(s) in the Residential Development, the Owner may, at the Owner's sole option, allow the tenant to remain in the Original Unit at the tenant's new applicable Affordable Rent, as long as the next vacant unit is re-designated for the income category previously applicable to the Original Unit.

(ii) If a Non-Designated Unit in the Residential Development is available, the Owner may, at the Owner's option, allow the tenant to remain in the Original Unit(s) and raise the tenant's rent up to market rate (subject to the requirements of the California Tax Credit Allocation Committee and other applicable regulatory requirements) and designate the former Non-Designated Unit as a Designated Unit for the income category previously

applicable to the Original Unit(s), subject to the requirement of Section 11.31.060.B.1 of the Code.

(c) So long as the Owner complies with the procedures set forth in this Section 6, Owner shall not be in violation of this Agreement due to a tenant's income eventually exceeding the income limit for the Designated Unit(s) occupied by that tenant.

7. Utilization of Designated Unit(s). The Designated Unit(s) required by this Agreement shall be leased or rented and fully utilized in accordance with this Agreement; no Designated Unit shall be withdrawn from the market or otherwise held vacant.

8. Development and Maintenance of Units; Physical Inspection. Owner shall perform a physical inspection of the Property annually for health and safety violations, and shall (a) maintain and operate all units on the Property so as to provide decent, safe and sanitary housing consistent with federal housing quality standards; (b) make any required repairs or provide any required cleanup and (c) provide the Designated Unit(s) with the same levels of services and maintenance as are provided to the Non-Designated Unit(s) on the Property.

9. Administration Fee. Owner agrees to pay such fees and deposits as the City Council may adopt by resolution to offset the administrative cost of performing the duties and responsibilities described in this Agreement.

10. Federal and State Laws. Notwithstanding the above provisions, nothing contained herein shall require Owner or City to do anything contrary to or refrain from doing anything required by Federal and State laws and regulations promulgated there under applicable to the construction, management, maintenance, and rental of Low-income housing units in the City of South Gate.

11. Prohibition Against Discrimination. Owner shall not discriminate against any tenant or potential tenant on the basis of sex, color, race, religion, ancestry, national origin, age, pregnancy, marital status, family composition, sexual orientation, or the potential or actual occupancy of minor children.

12. Indemnification. Owner shall defend, indemnify and hold harmless the City of South Gate and its officers, agents, employees, representatives, and volunteers from and against any loss, liability, claim or judgment relating in any manner to the Residential Development or this Agreement.

13. City's Right to Inspect Units and Documents. The City may inspect the Designated Units (subject to the tenant's privacy rights) and any documents or records relating thereto, including but not limited to tenant income certifications and health and safety violations, at any reasonable time upon 72 hours' written notice to determine Owner's compliance with this Agreement.

14. Successors and Assigns. This Agreement shall be binding upon and inure to the benefit of City and Owner, and their respective successors, owners and assigns. City reserves the right to designate another public agency to perform City's obligations or to exercise City's rights and options under this Agreement.

15. Burden to Run with Property. The covenants and conditions contained herein shall run with and burden the Property for 55 years from the date of recordation of this Agreement.

16. Notices. All notices required herein shall be sent by certified mail, return receipt requested or express delivery service with a delivery receipt and shall be deemed to be effective as date received or the date delivery was refused as indicated on the return receipt, as follows:

To Owner: 10130 Adella, LLC
10135 Geary Ave.
Santa Fe Springs, CA 90670
Attn.: Greg Solaas

To City: City of South Gate
Director of Community Development
City of South Gate
8650 California Avenue
South Gate, CA 90280

The parties may subsequently change addresses by providing written notice of the change in address to the other parties in accordance with this Section 16.

17. Governing Law. The laws of the State of California shall govern this Agreement. Any legal action brought under this Agreement must be instituted in the Superior Court of the County of Los Angeles, State of California, in an appropriate municipal court in that County, or in Federal District Court in the Central District of California.

18. Default. Failure or delay by either party to perform any term or provision of this Agreement, which is not cured within thirty (30) days after receipt of notice from the other party, constitutes a default under this Agreement. The party who so fails or delays must immediately commence to cure, correct or remedy such failure or delay, and shall complete such cure, correction or remedy with due diligence. The injured party shall give written notice of default to the party in default specifying the default complained of by the injured party. Except as required to protect against further damages, the injured party may not initiate proceedings against the party in default until thirty (30) days after giving such notice. Failure or delay in giving such notice shall not constitute a waiver of any default, nor shall it change the time of default.

19. Remedies.

(a) Any individual who sells or rents (including subleasing) a Designated Unit in violation of the provisions of this Agreement shall be required to forfeit to City all monetary amounts so obtained.

(b) City may institute any appropriate legal actions or proceedings necessary to ensure compliance with this Agreement, including but not limited to actions for injunctive relief or damages.

20. Attorney's Fees. In any action brought to declare the rights granted herein or to enforce or to interpret any of the terms of this Agreement, the prevailing party shall be entitled to an award of reasonable attorney's fees in an amount determined by the court.

21. Non-Waiver. Failure to exercise any right City may have or be entitled to; in the event of default hereunder shall not constitute a waiver of such right or any other right in the event of a subsequent default.

22. Further Assurances and Recordation. Owner shall execute any further documents consistent with the terms of this Agreement, including documents in recordable form and do such further acts as may be necessary, desirable or proper as City shall from time to time find necessary or appropriate to effectuate its purpose in entering this Agreement.

23. Entire Agreement. Each party to this Agreement acknowledges that no representations, inducements, promises or agreements, orally or otherwise, have been made by any party, or anyone acting on behalf of any party, which are not embodied herein, and that any other agreement, statement or promise not contained in this Agreement shall not be valid or binding. This Agreement may be amended only by written instrument signed by both City and Owner.

24. Severability Clause. If any one or more of the provisions contained in this Agreement shall for any reason be held to be invalid, illegal or unenforceable in any respect, then such invalidity, illegality or unenforceability shall not affect any other provision hereof, and this Agreement shall be construed as if such invalid, illegal, or unenforceable term or provision had never been contained herein.

[Remainder of page left blank intentionally.]

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed and attested by their respective officers thereunto duly authorized.

CITY OF SOUTH GATE:


By: _____
Maria Davila, Mayor

Dated: _____

ATTEST:

By: _____
Carmen Avalos, City Clerk
(SEAL)

APPROVED AS TO FORM:

By:  _____
Raul F. Salinas, City Attorney

OWNER:
10130 Adella LLC,
a California limited partnership

By: _____
Greg Solaas

Dated: _____

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)

County of _____)

On _____ before me, _____, Notary Public, personally appeared, _____, proved to me the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under penalty of perjury under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)

County of _____)

On _____ before me, _____, Notary Public, personally appeared, _____, proved to me the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under penalty of perjury under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

ATTACHMENT "A"

LEGAL DESCRIPTION OF PROPERTY

PARCEL A:

THAT PORTION OF LOT 9 OF TRACT NO. 2778, IN THE CITY OF SOUTH GATE, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 30 PAGES 84 AND 85 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE WESTERLY LINE OF SAID LOT 9, DISTANT SOUTH 6° 55' 55" WEST 517.68 FEET FROM THE NORTHWESTERLY CORNER OF SAID LOT 9; THENCE SOUTH 84° 17' 20" EAST 537.61 FEET; THENCE SOUTH 7° 05' 32" WEST 167.19 FEET, MORE OR LESS, TO THE NORTHERLY LINE OF A 10.00 FOOT STRIP OF LAND WHICH IS THE PROPERTY OF SOUTHERN CALIFORNIA EDISON COMPANY, AS RECORDED IN BOOK 5954, PAGE 384 OFFICIAL RECORDS OF SAID COUNTY; THENCE NORTH 85° 21' 50" WEST ALONG THE NORTHERLY LINE OF SAID 10.00 FOOT STRIP, 537.32 FEET TO THE WESTERLY LINE OF SAID LOT 9; THENCE NORTH 6° 55' 55" SOUTH EAST ALONG THE WESTERLY LINE OF SAID LOT 9, 172.57 FEET TO THE POINT OF BEGINNING.

PARCEL B:

THAT PORTION OF LOT 9 OF TRACT NO. 2778, IN THE CITY OF SOUTH GATE, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 30, PAGES 84 AND 85 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE SOUTHERLY ONE FOOT OF PARCEL 2, OF PART (B), OF THE PROPERTIES DESCRIBED TN A CORPORATION GRANT DEED TO DONALD RAWLINS, MARJAN F. RAWLINS, AND THE CROCKER BANK AS TRUSTEES OF THE RAWLINS FAMILY TRUST UNDER TRUST INSTRUMENT DATED NOVEMBER 15, 1983, RECORDED AS INSTRUMENT NO. 84-1090427 OFFICIAL RECORDS, TN THE OFFICE OF SAID COUNTY RECORDER.

TOGETHER WITH THE SOUTHERLY 1.50 FEET OF THE LAND DESCRIBED TN PARCEL 3 OF THE DEED RECORDED ON AUGUST 31, 1981 AS INSTRUMENT NO. 81-872668 OFFICIAL RECORDS, IN THE OFFICE OF THE COUNTY RECORDER.

APN: 6221-026-020

APN: 6221-026-020

EXHIBIT "B"

Affirmative Fair Housing Marketing Plan Legacy Apartments

Project Description

Legacy apartments at South Gate will be a 78-unit multi-family housing apartment building, located at 10130 Adella Avenue, in the City of South Gate, California. The property will consist of forty-six (46) one-bedroom units and thirty-two (32) two-bedroom units set aside for management. This project will include 15% affordable (12 units) for low income. All affordable housing units are designated for low-income housing.

The information in this plan reflects the requirements to the best of management knowledge but it's subject to change if required for compliance with law or regulation.

Affirmative Fair Housing Marketing Procedures

State and Local law prohibiting discrimination in the lease or rental or in the use, occupancy or tenure of enjoyment of the Legacy Apartments at South Gate, or any part thereof on the basis of marital status, race, color, religion, ancestry, sex, gender identity, sexual orientation, age, national origin, HIV, Acquired Immune Deficiency Syndrome (AIDS) or AIDS related condition (ARC), physical handicap, or on the basis of their receipt of, eligibility for, housing assistance programs or on the basis that the resident have a minor child or children who will be residing with them or any other arbitrary basis. Legacy Apartments at South Gate or any person claiming authority under or through them will not establish or permit any such practices of discrimination or segregation with references to the selection, location, number, use or occupancy of tenants or lessees in the project. All criteria shall be applied equitably, and all information considered on an applicant shall be related solely to the attributes and behavior of individual members of the household as they may affect residency.

All rental advertisements will bear the fair housing logotype and slogan, and any information sheets will also indicate accessibility to the disabled. A Fair Housing poster will be conspicuously displayed in the rental office and where the initial rent-up process will occur.

Procedures to Provide Accessible Units to People with Disabilities

All units at Legacy Apartments are full equipped to provide accessibility features for individuals whose disability require accessibility features.

General Targeting

All twelve (12) units will be occupied by direct referrals through The South Gate Housing Authority.

Marketing and Outreach Activities for the units include the following:

A. Direct Referrals

All affordable housing units will be through The City of South Gate Housing Authority.

B. Community Outreach Activities

Per discussions at the Planning Commission hearing, the Property will be listed on the Housing Resource Center website at www.cityofsouthgate.org and flyers of property to social service agencies.

Timeline and Details for Outreach and Marketing

Marketing and outreach efforts to resident service providers will begin approximately three to six months prior to project completion date to ensure timely lease-up.

TBD

All marketing materials need to be approved and signed off by the owner.

Step 1

Post on www.cityofsouthgate.org

Email flyer to social service agencies

Email cover letter and application to referring agencies.

Step 2

Invitations to schedule an appointment will be sent out to the applicant and their case manager and/or service provider if one is designated on the application.

Step 3

Legacy Apartments will act as the intermediary between the management company hired and the applicants and assist the applicant gathering the management company hired required documents and coordinating with the City of South Gate Housing Authority for rent determination.

Step 4

Certificate of Occupancy- Residents begin to move into the property once approval is received from the City of South Gate Housing Authority.

Step 5

100% occupancy by TBD date.

Application Process Initial Application Procedure

1. The management company hired will create a Legacy Apartments at South Gate waitlist with application packets received from the various referring agency for the specific program in the order they are received.
2. Each prospective resident and the service provider will be contacted requesting an interview. Applicants will receive a checklist of the documents required to bring with them to the interview.
3. Ineligible applicants will receive a denial letter. All denial letters will describe the reason for ineligibility as well as appeal protocol.
4. Management will make the ultimate determination regarding tenant selection for all units.

Any applicant that fails to respond to a notice or who doesn't show up for the scheduled interview will be considered no longer interested.

Legacy Apartments at South Gate is subject to income limits that are published annually

by HUD and available to the public from the property office. These income guidelines are subject to change.

The privacy of applicants will be guarded as conferred by the Federal Privacy Act of 1974. This Act in no way limits management's ability to collect such information as may be needed to determine eligibility, compute rent, or determine an applicant's suitability for tenancy.

An applicant household's combined gross annual income cannot exceed the published Area Median Income (AMI), depending on the income restriction for the unit for which a household is applying.

Interview Procedure

All applicants will be interviewed by the management company hired. At the time of the interview, all members of the household must be in attendance. They will be asked to bring most recent three months' pay stubs, if employed, income sources, assets, six-month bank statements, and previous rental history. Other documents or identification to determine household composition, income, and assets may be requested. During the interview, staff will clarify any information provided by the applicant household and answer questions regarding admission procedures.

At the interview the following 11 items will be completed by or obtained from the household:

1. Credit/ Criminal Release Form: A credit report with a comprehensive unlawful detainer check will be obtained for each adult applicant. If the household meets the credit criteria a criminal report will be requested, and they immediately will move to the next step.
2. A Tenant Income Certification Questionnaire form completed by each adult.
3. Applicant shall execute any releases and consents authorizing any private sources of income, or any federal, state, or local agency, to furnish or release to management such information as management and the applicable program regulations determined to be necessary.
4. All income will be verified in writing from the income source on appropriate income verification forms. For recipients of Social Security income or public assistance, current Notice of Action letters or Statement of Benefits will be accepted.
5. All assets, including bank accounts, will be verified in writing from the financial institution.
6. Submission of an application and attendance at an interview does not indicate the offer of a unit or acceptance for housing. Formal determination of eligibility will be made when an appropriate unit is available, and all information is verified.
9. Once the final application review requirements have been satisfied, approved prospective residents will be notified and a request to provide a deposit to hold a specific unit will be issued.
10. The South Gate Housing Authority must approve the applicant, inspect and pass the unit, and send a Certificate of Eligibility with rent determination prior for management to approve move-in.
11. The management company will prepare welcome packages for the new residents.

ATTACHMENT C: PC Resolution 2020-04

RESOLUTION NO.2020-04

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF SOUTH GATE RECOMMENDING THE CITY COUNCIL APPROVE THREE (3) WAIVERS AS PERMITTED IN THE SOUTH GATE MUNICIPAL CODE SECTION 11.31.050 FOR A HOUSING PROJECT TO INCLUDE FOUR (4) UNITS WITH RENTS AFFORDABLE TO VERY LOW INCOME HOUSEHOLDS FOR NO LESS THAN 55 YEARS IN THE LEGACY APARTMENTS LOCATED AT 10130 ADELLA AVENUE (APN: 622-026-020) IN THE CITY OF SOUTH GATE, STATE OF CALIFORNIA

WHEREAS, on January 15, 2020, the Department of Community Development received an application from Gonzales-Goodale Architects and Newport Ventures representing the property owners 10130 Adella LLC for Administrative Plan Review No. 2020-01 to allow the construction of two 4-story multifamily residential buildings, with a total of 78 units, including four (4) affordable units at 10130 Adella Avenue (“Project”); and

WHEREAS, the Planning Commission upon giving the required notice did on the 23rd day of July, 2020, conduct a duly advertised public hearing as required by law to consider the recommendation of approval of said relief from specific development standards in the form of an incentive and waivers. Notice of the hearing was originally published in the Long Beach Telegram newspaper on July 13, 2020 and mailed to property owners and properties located within 1,000 feet of the project site on July 13, 2020; and

WHEREAS, an environmental assessment was prepared analyzing the potential impacts the proposed project could have on the environment; and

WHEREAS, studies and investigations were made and a staff report with recommendations was submitted; and

WHEREAS, the submitted Affirmative Fair Marketing Plan meets the criteria as set forth by Section 11.31.070 (Affordable Housing Agreement) of the South Gate Municipal Code; and

WHEREAS, the 2014 Housing Element calls for the City to “provide a range of housing prices, unit types, and sizes to accommodate the varied needs of all socioeconomic segments of South Gate, fostering a diverse and balanced community”; and

WHEREAS, the Planning Commission determined that the facts of this matter are as follows:

1. The South Gate Department of Community Development received a request to allow construction of 78 multi-family units, including four (4) affordable units at 10130 Adella Avenue.
2. If the proposed project is approved by the City Council, the project will provide 4 units that are income-restricted to Very Low Income households defined by the US Department of Housing and Urban Development. The income restricted housing

units will include 2 one-bedroom units and 2 two-bedroom units.

3. The 2.02-acre project site is in the Tweedy Boulevard Specific Plan. The zoning designation is Industrial Flex (IF) and the general plan identifies the site as within the Tweedy Educational District.
4. Multi-family projects are permitted in the Industrial Flex (IF) zoning district with an Administrative Plan Review approved by the Community Development Director.
5. The Industrial Flex (IF) zoning district allows up to 40 units per acre or up to 80 units on the site without a density bonus.
6. Although the 78-unit project does not exceed the maximum number of units permitted by the zoning ordinance, the applicant finds that it is infeasible to construct the project without relief from four requirements of the South Gate Municipal Code.
7. Pursuant to State Density Bonus Law 65159, projects with income-restricted units providing affordable housing may take advantage of the incentives and waivers offered by the statute even if the project does not need a density bonus.
8. The 4 income-restricted units for households with Very Low Incomes represent 5% of the total units in the 78-unit project and is eligible for one incentive.
9. California Government Code Section 65915 (e) prohibits the City from applying any development standard that will have the effect of physically precluding the construction of an affordable development and establishes a procedure for developers to request that development standards be waived for an affordable housing project.
10. The applicants are requesting relief from South Gate Municipal Code Section 11.23.050A requirement that at least 50% of the units have direct access to private open space, balconies, patios or roof terraces. Legacy Apartments by code is required to provide 39 units with private open space. The applicants determined the costs associated with the construction of private open space would make it infeasible to provide the proposed 4 income-restricted units.
11. Tweedy Boulevard Specific Plan and South Gate Municipal Code Section 11.23.080 require that new projects be developed with a specific Building Frontage Type. Residential projects in the IF zoning district are required to use one of the following Building Frontage Types – Terrace/Stoop, Porch or Front Yard.
12. Each of these three Building Frontage options requires that private open space be located at the ground level along the Legacy Lane and Adella Street frontages. The applicants assert that security concerns and costs make it unfeasible to meet the Building Frontage requirement and provide the four income restricted units.
13. South Gate Municipal Code Section 11.25.080 requires multi-family projects to provide 16 square feet of outdoor recycling facilities for each unit, or 1,248 square feet, or an area the size of seven parking spaces.

14. The applicants assert that placing the trash collection facilities outside would affect the feasibility of the project by significantly reducing the surface area available to provide required parking. Placing the trash collection facilities inside saves approximately 1,300 square feet of surface area or allows 7 parking spaces to be provided.
15. South Gate Municipal Code Section 11.31.070 requires that an Affordable Housing Agreement be entered into between the City and the developer of a housing project exercising the provisions of the Density Bonus Ordinance including the granting of incentives and/or waivers to provide relief from local development standards.

WHEREAS, The City Planning Commission made the following findings:

1. The subject application will not be detrimental to the public health, safety and welfare or adversely affect property values or the present and further development of the surrounding area with the incorporation of the conditions of approval.
2. The proposed use is consistent with the following goals and objectives of the South Gate General Plan:
 - New construction will provide adequate on-site parking for residents (CD 4.4).
 - The City shall pursue a variety of housing choices in Districts including both rental and ownership (CD 6.1).
 - Iconic, high quality urban design and architecture should be pursued with new projects all the Districts in order to improve the aesthetics of the City (CD 6.1).
 - New development in Districts will be designed and developed to achieve a high level of quality and distinctive character and architecture (CD 6.2).
 - New buildings and substantial remodels in Districts will be sited and designed to enhance pedestrian activity along sidewalks (CD 6.2).
 - Design landscaping, buildings and sites to enhance the pedestrian environment and enhance the urban character of the City's Districts (CD 6.2).
 - The City will encourage innovative and quality architecture in the City with all new public and private projects (CD 8.1).
 - Ensure high quality architecture and urban design throughout the City (CD 8.1).
 - New multi-family buildings will be designed with attractive and inviting frontage on all public streets (CD 8.1).
 - The City will encourage the use of density bonuses and provide other regulatory concessions to encourage affordable housing development (HE 1.3).
3. Upon compliance with the attached conditions of approval, the subject use will not have a detrimental impact on adjacent properties.
4. This project is Categorically Exempt under Class 32 (In-fill Project) Section 15332 of the California Environmental Quality Act (CEQA). Class 32 consists of projects characterized as in-fill development meet in the conditions described as (a) The project is consistent with the applicable general plan design and regulations; (b) The proposed development occurs within city limits on a project site of no more than five acres substantially surrounded by urban uses; (c) The project site is not deemed a valuable habitat for endangered, rare or threatened species; (d) Approval of the

project would not result in any significant effects relating to traffic, noise, air quality, or water quality; and (e) The site can be adequately served by all required utilities and public services utilities and public services.

NOW, THEREFORE, BE IT RESOLVED, that the Planning Commission of the City of South Gate, pursuant to the facts noted above, does hereby recommend that the South Gate City Council approve relief from the specific development standards through the combination of incentives and waivers, as permitted by Section 11.31.050 of the South Gate Municipal Code, as specified as follows: *Waiver 1*- waive requirement that private open space be provided to at least 50% of the units; *Waiver 2*- waive requirement that the project be developed with one of the required Building Frontage Types; and *Waiver 3*- waive the requirement that trash and recycling facilities be installed outside. In return for this relief, the property owner commits to maintaining for no less than 55 years, four units (5% percent of the project's 78 units) with rents affordable to Very Low Income households in the Legacy Apartments project located at 10130 Adella Avenue, South Gate, California subject to the conditions of approval contained in Exhibit A.

BE IT FURTHER RESOLVED, that the Secretary of this Commission be directed transmit to the City Council a copy of this resolution as the report of the findings and recommendations of the Planning Commission with reference to this matter.

This Resolution was adopted by the following vote at the Planning Commission meeting of July 23, 2020.

AYES: Chairperson Perez, Vice Chairperson Inzunza, Commissioners Delgado & Sepulveda

NOES: Commissioner De La Paz

ABSENT:

NOT VOTING:

APPROVED and **ADOPTED** this 23rd day of July 2020.

CITY OF SOUTH GATE:

Joe Perez
Secretary
City Planning Commission

APPROVED:

Jenny Perez
Chairperson
City Planning Commission

ATTACHMENT D: Maps

Location & Aerial Map

10130 Adella Ave.



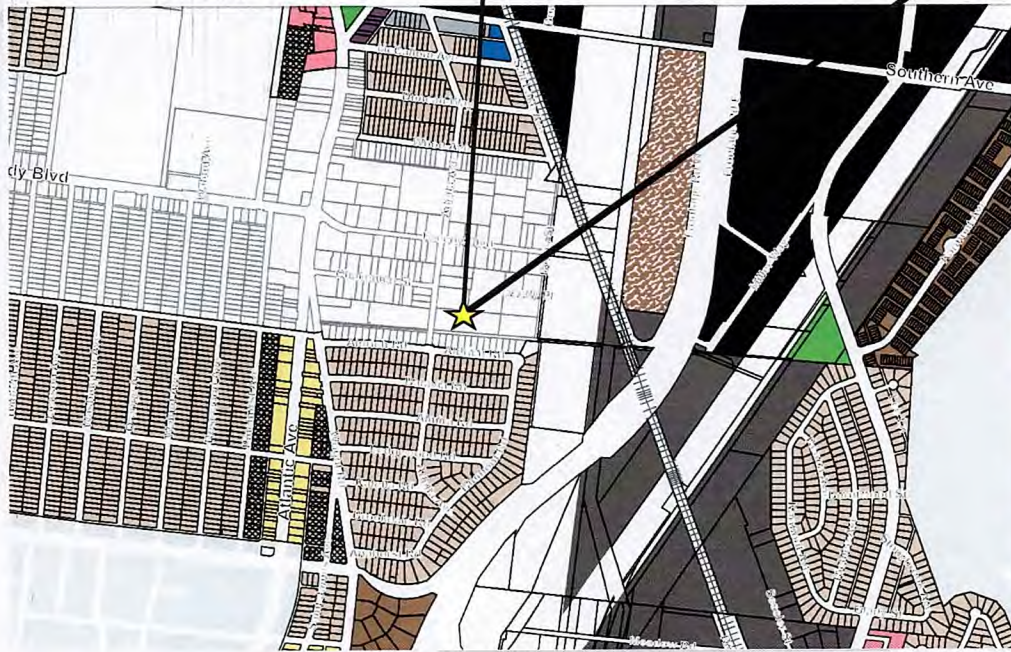
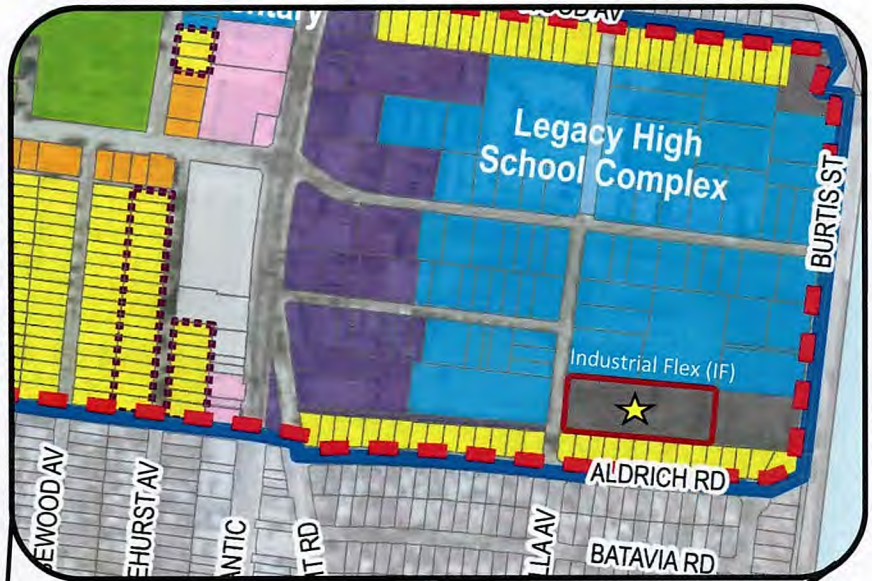
Project Boundary

Project Site

Zoning Site Map

10130 Adella Ave

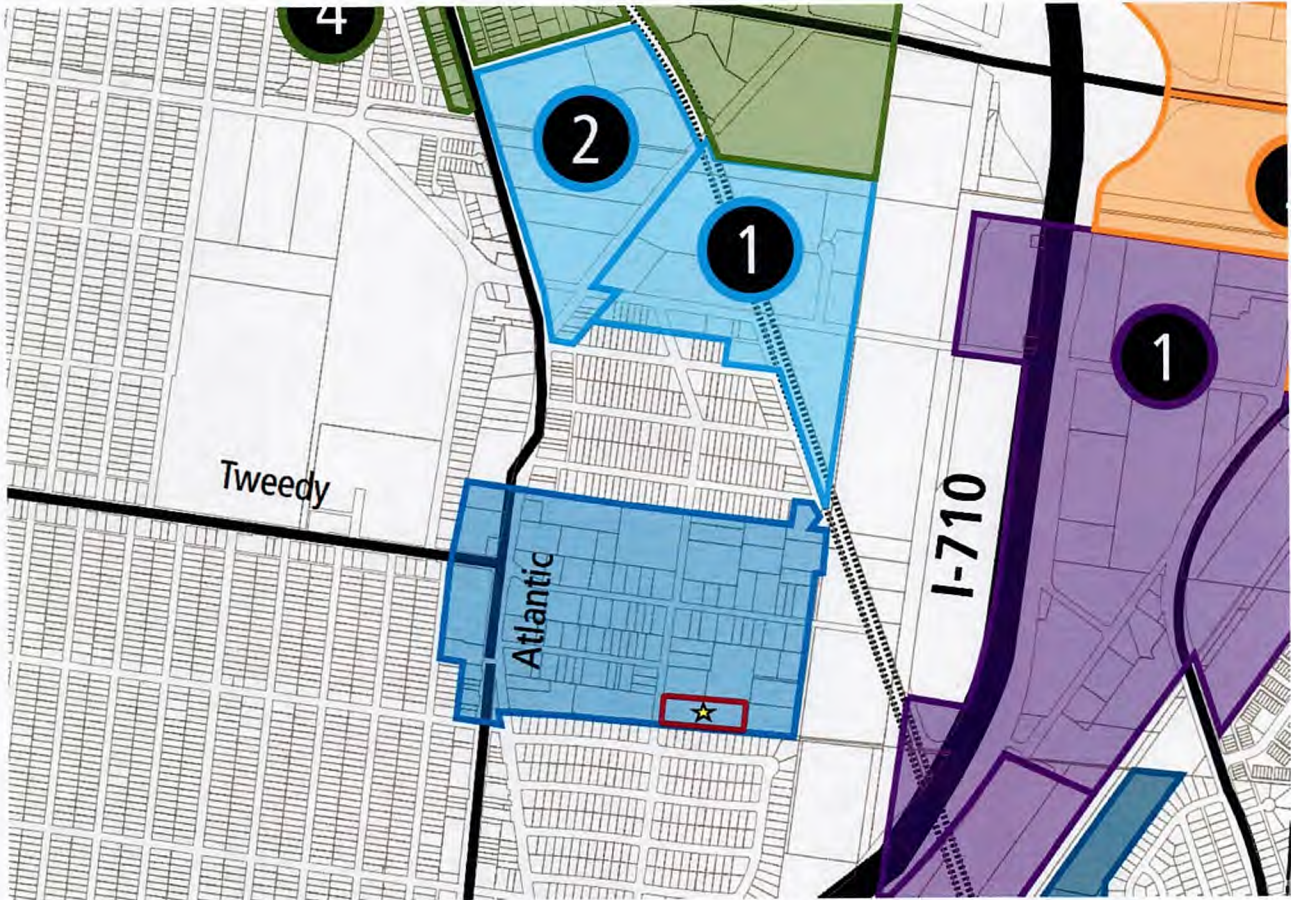
-  Project Boundary
-  Project Site
-  City of South Gate Boundary
-  Tweedy Blvd Specific Plan Area
-  Tweedy West Subarea
-  Tweedy Mile Subarea
-  Tweedy East Subarea
-  Tweedy Mixed Use-1 (TMU1) - 20 du/acre, 1.25 FAR
-  Tweedy Mixed Use-2 (TMU2) - 30 du/acre, 1.5 FAR
-  Corridor Transition Overlay
-  Active Retail Frontage
-  Light Manufacturing (M2) - 2.0 FAR
-  Industrial Flex (IF) - 2.0 FAR
-  Neighborhood Medium (NM) - 20 du/acre
-  Neighborhood Low (NL) - 5.0 du/acre
-  Civic (CV) - 1.5 FAR
-  Open Space (OS)
-  Precise Plan #18/Site Plan #283 (PP)



-  Project Site
-  City of South Gate Boundary
- Specific Plan Areas**
-  Hollydale Specific Plan Area
-  Tweedy Boulevard Specific Plan Area
- Urban Mixed-Use Zones**
-  CC - Civic Center
-  TV - Transit Village
-  IF - Industrial Flex
-  CDR1 - Corridor 1
-  CDR2 - Corridor 2
-  UN - Urban Neighborhood
-  MS - Main Street
- Residential Neighborhood Zones**
-  NL - Neighborhood Low
-  NM - Neighborhood Medium
-  MH - Mobile Home Park
-  CV - Civic
-  OS - Open Space
- Commercial Industrial Zones**
-  RC - Regional Commercial
-  LI - Light Industrial
-  M2 - Light Manufacturing
-  M3 - Heavy Manufacturing

General Plan Map : Tweedy Educational District

10130 Adella Ave



Districts

- Ardine Industrial
- Civic Center
- South Gate College [2 Sub Areas]
- El Paseo/South Gate Towne Center [3 Sub Areas]
- Firestone Industrial
- Gateway [4 Sub Areas]
- Hollydale Industrial
- Imperial [3 Sub Areas]
- Tweedy Educational District
- Rayo Industrial [2 Sub Areas]
- South Gate Triangle [2 Sub Area]
- Southwest Industrial

ATTACHMENT E: Photos

PROPOSED SITE



EAST OF SITE



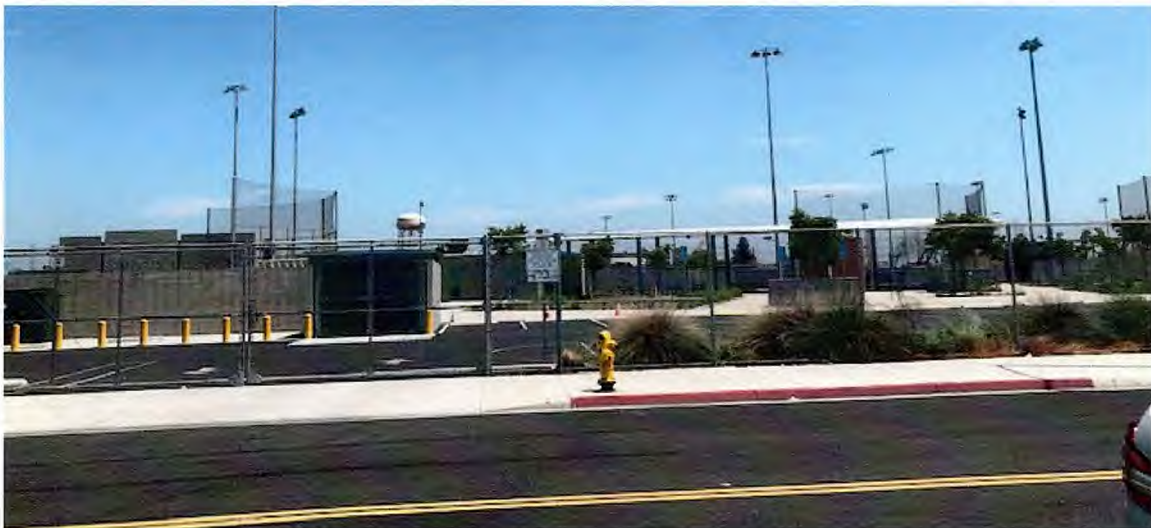
WEST OF SITE



K-RAILS ON ADELLA



ACROSS STREET FROM SITE



ATTACHMENT F: Project Plans

LEGACY APARTMENTS

4 STORY TYPE VA MULTI-FAMILY HOUSING
10130 ADELLA AVE., SOUTH GATE, CA 90280

NEWPORT PROPERTY VENTURES
3585 CADILLAC AVE
COSTA MESA, CA 92626

PROJECT DESCRIPTION

NEW CONSTRUCTION OF 4 STORY TYPE VA RESIDENTIAL BUILDING WITH 76 UNITS (5% AFFORDABLE).

LEGAL DESCRIPTION

SITE ADDRESS 10136 ADELLA AVENUE
ZIP CODE 90280
LOT/ PARCEL AREA (CALCULATED) 67,591.2 SF
ASSESSOR PARCEL NO. (APN) 6221-026-020
TRACT 2778 S 192.57 FT MEASURED ON W AND W 537.32 FT MEASURED ON S EX STS LOT 9
MAP REFERENCE M B 30-84
LOT 20
MAP SHEET 6221 26

APPLICABLE CODES

PROJECT SHALL BE IN COMPLIANCE WITH ALL COMPONENTS OF THE FOLLOWING

2019 CALIFORNIA GREEN BUILDING CODE

2019 CALIFORNIA MECHANICAL CODE

2019 CALIFORNIA ELECTRIC CODE

2019 CALIFORNIA PLUMBING CODE

FAIR HOUSING ACT DESIGN MANUAL 1994

AFFORDABLE UNITS SHALL COMPLY WITH
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN W HUD EXCEPTIONS

PROVISIONS OF THE CBC CHAPTER 11(B) AND TITLE III OF THE AMERICANS WITH DISABILITIES ACT (2010)

HUD SECTION 504

AFFORDABLE HOUSING

5% VERY LOW INCOME = 1 INCENTIVE (50MC TABLE 11.31-3)

| ZONING CODE ANALYSIS | |
|---------------------------------|----------------------------------|
| LOT | 20 |
| PARCEL / APN NO. | APN NO. 6221-026-020 |
| ZONE | IF (INDUSTRIAL FLEX) |
| TOTAL LOT AREA | 67,591.2 SF |
| BASE FAR | 2.0 |
| PROPOSED FAR | .48 |
| ALLOWABLE FLOOR AREA | LOT AREA x (2/FAR) = 195,982 SF |
| PROPOSED FLOOR AREA | 87,991 x 2 = 195,982 SF |
| MIN AREA PER DWELLING UNIT | 600 SF (3010X10 / 1-BEDROOM) |
| BASE DENSITY PERMITTED | 40 UNITS / ACRES = 30 UNITS |
| PROPOSED DENSITY | 76 UNITS |
| HEIGHT LIMIT | 50 FT |
| PROPOSED BUILDING HEIGHT | 45-47 |
| FRONT SETBACK (ADELLA AVE) | 0 FT - 20 FT |
| PROPOSED FRONT SETBACK | 8'-3" |
| SIDE SETBACK (LEGACY AVE) | 0 FT - 25 FT |
| PROPOSED SIDE SETBACK | 0'-11" |
| REAR SETBACK (SCE ROW) | 0 FT - 10 FT THIRD FLOOR SETBACK |
| PROPOSED REAR SETBACK (SCE ROW) | 0' - 0' |
| INTERIOR SETBACK (EAST) | 0 FT - 15 FT |
| PROPOSED REAR SETBACK (EAST) | 76'-78" |

| ZONING CODE ANALYSIS - UNIT MIX | |
|--|------------------------|
| DWELLING UNITS | ONE BEDROOM - 46 UNITS |
| | TWO BEDROOM - 32 UNITS |
| TOTAL UNITS | 78 UNITS |
| AFFORDABLE UNITS WITH MOBILITY FEATURE | (15%) 12 UNITS |

AUTOMATIC FIRE EXTINGUISHING SYSTEM

AN AUTOMATIC FIRE EXTINGUISHING SYSTEM SHALL BE PROVIDED THROUGHOUT BUILDING (INCLUDING OPEN PARKING GARAGES).

AUTOMATIC FIRE EXTINGUISHING SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13.

FIRE DEPARTMENT NOTES

1. PROVIDE PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2A OR 2A:10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING ON EACH FLOOR, ALSO DURING CONSTRUCTION. (L.A.M.C. 57.14)
2. PROVIDE PORTABLE FIRE EXTINGUISHER WITH A RATING NOT LESS THAN 10BC FOR KITCHEN ELECTRICAL ROOM, MECHANICAL ROOM, OR PARKING GARAGE.
3. PROVIDE FIRE EXTINGUISHER AS REQUIRED BY FIRE DEPARTMENT FIELD INSPECTOR.
4. PROVIDE AN APPROVED FIRE ALARM SYSTEM.
5. PROVIDE SINGLE STATION SMOKE DETECTOR WITHIN SLEEPING AREAS AND AREAS GIVING ACCESS TO SLEEPING AREAS AND ON TOP CENTER OF STAIRS LEADING THERETO.
6. SMOKE DETECTORS SHALL SOUND AN ALARM AUDIBLE IN ALL SLEEPING AREAS OF THE DWELLING UNIT IN WHICH THEY ARE LOCATED. (C.C.R. TITLE 24, PART 9)
7. MEANS OF EGRESS SHALL BE ILLUMINATED AT A MINIMUM INTENSITY OF 1 FOOT-CANDLE AT FLOOR LEVEL.
8. MEANS OF EGRESS ILLUMINATION SHALL BE PROVIDED FROM AN EMERGENCY POWER SYSTEM.

PROJECT SUSTAINABLE BUILDING METHODS

THE PROJECT WILL EMPLOY OUTDOOR WATER CONSERVATION MEASURES THAT INCLUDE:
1.) USE NATIVE OR DROUGHT-TOLERANT PLANTS FOR A MINIMUM OF 75% OF LANDSCAPING AREA.
2.) LIMIT CONVENTIONAL GRASS / TURF TO 25% OF LANDSCAPED AREA.
3.) GROUP PLANTS WITH SIMILAR WATERING NEEDS (HYDROZONES).
4.) INSTALL HIGH EFFICIENCY IRRIGATION SYSTEM WITH SMART IRRIGATION CONTROLS FOR ALL LANDSCAPING.

AT MINIMUM THE PROJECT SHALL RECYCLE AND/OR SALVAGE 70% OF NON-HAZARDOUS CONSTRUCTION AND DEMOLITION DEBRIS.

THE PROJECT PROVIDES AN EASILY ACCESSIBLE RECYCLING AREA FOR TENANT USE THAT SERVES THE ENTIRE BUILDING.

UNDER SEPARATE PERMIT OR APPROVAL

THIS BUILDING SHALL BE PROVIDED AUTOMATIC SPRINKLER SYSTEM COMPLYING WITH PROVISIONS OF CBC 903.3.1.1 (NFPA-13)

PROVIDE EMERGENCY RESPONSE RADIO CONVERGENCE IN ACCORDANCE WITH L.A.P.D. (CBC 916.1)

FUTURE SOLAR PHOTOVOLTAIC SYSTEMS



DRAWING INDEX

| SHEET | DESCRIPTION |
|---------------|-------------------------------------|
| GENERAL | |
| G0.01 | GENERAL PROJECT INFORMATION |
| G0.02 | GENERAL PROJECT INFORMATION |
| G0.02 | BUILDING CODE ANALYSIS - OPEN SPACE |
| ARCHITECTURAL | |
| A1.01 | SITE PLAN |
| A2.11A | FIRST FLOOR PLAN BLDG A |
| A2.12B | FIRST FLOOR PLAN BLDG B |
| A2.23A | SECOND FLOOR PLAN BLDG A |
| A2.22B | SECOND FLOOR PLAN BLDG B |
| A2.33A | THIRD FLOOR PLAN BLDG A |
| A2.32B | THIRD FLOOR PLAN BLDG B |
| A2.43A | FOURTH FLOOR PLAN BLDG A |
| A2.42B | FOURTH FLOOR PLAN BLDG B |
| A2.51A | ROOF PLAN BLDG A |
| A2.51B | ROOF PLAN BLDG B |
| A3.01 | EXTERIOR ELEVATIONS BLDG A |
| A3.02 | EXTERIOR ELEVATIONS BLDG B |
| A3.03 | EXTERIOR ELEVATIONS BLDG A & BLDG B |
| A3.04 | EXTERIOR ELEVATIONS - BLDG B |
| A3.05 | EXTERIOR ELEVATIONS BLDG B |
| A4.10 | BUILDING SECTIONS BLDG A |
| A4.11 | BUILDING SECTIONS BLDG A |
| A4.12 | BUILDING SECTIONS BLDG B |
| A4.13 | BUILDING SECTIONS BLDG B |

PROJECT DIRECTORY

OWNER
NEWPORT PROPERTY VENTURES
3585 CADILLAC AVE
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P (562) 236-5500
gsolaas@nempbro.com

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F (626) 568-8026
abalaran@gonzalezgoodale.com

CIVIL ENGINEER
BRANDOW & JOHNSTON
100 SOUTH FLORENCE ST., SUITE 1800
LOS ANGELES, CA 90017
ED MELD
P (213) 596-4550
ed.meld@bjsc.com

LANDSCAPE ARCHITECT
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1835 ROYAL OAKS DR.
BRADURRY, CA 91108
ANNA ARMSTRONG
P (626) 357-4599
armstrongwalker@gmail.com

STRUCTURAL ENGINEER
MING YANG YEH & ASSOCIATES, INC.
131 WEST GREEN STREET, SUITE A
PASADENA, CA 91105
MING YANG YEH, SE
P (626) 449-9886 ext. 111
ming@myia.com

MECHANICAL / PLUMBING / ELECTRICAL ENGINEER
GREEN ENGINEERING
1983 WEST 190TH ST., SUITE 200
TORRANCE, CA 90504
DES MAHONY, PE, LEED AP
P (310) 464-8404
F (310) 464-8409
dmahony@greeneng.com

VICINITY MAP



LEGACY APARTMENTS

10130 ADELLA AVE,
SOUTH GATE, CA 90280

PROJECT NO. 1888

This sheet and those herein submitted hereto, and those hereon, if prepared by a registered professional engineer, architect, or contractor, shall be held responsible for the accuracy and correctness of the information contained herein, and the engineer, architect, or contractor shall be held responsible for the accuracy and correctness of the information contained herein.

ISSUE DATE DESCRIPTION
08/20/2020 CITY COUNCIL REVIEW

REVISION DATE DESCRIPTION

DRAWING TITLE

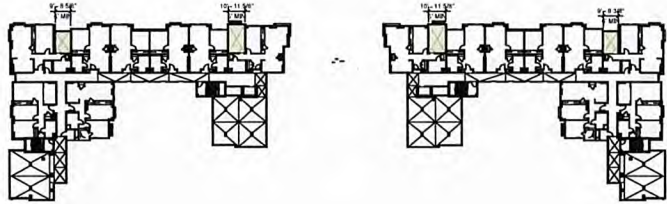
GENERAL PROJECT
INFORMATION

G0.01

PL07 DATE: 08/20/2020 8:12 AM



GONZALEZ GOODALE ARCHITECTS
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 138 WEST GREEN ST SUITE 200
 PASADENA, CALIFORNIA 91065



LEGEND
 COMMON OUTDOOR OPEN SPACE
 COMMON INDOOR OPEN SPACE
 PRIVATE OPEN SPACE

LANDSCAPE REQUIREMENTS
 REQUIRED COMMON OPEN SPACE: 4,686 SF
 REQUIRED LANDSCAPE: 1,172 SF
 PROVIDED LANDSCAPE AREA: 12,570 SF
 TOTAL NUMBER OF UNITS: 78
 REQUIRED TREES (1 TREE/4 UNITS): 20
 PROVIDED TREES: 53

OPEN SPACE REQUIREMENTS
 (SOUTH GATE ZONING ORDINANCE TABLE 11.23-1 OPEN SPACE REQUIREMENTS)
 -COMMON OUTDOOR OPEN SPACE FOR LOT SIZES GREATER THAN 30,000 SF AND PROJECTS WITH 21+ RESIDENTIAL UNITS SHALL BE A MINIMUM OF 20% OF THE LOT AREA
 -COMMON INDOOR OPEN SPACE OR COMMUNITY ROOMS SHALL BE A MINIMUM OF 500 SF
 -PRIVATE OPEN SPACE SHALL BE PROVIDED FOR A MINIMUM OF 50% OF ALL RESIDENTIAL UNITS WITH 36 SF MINIMUM PER UNIT

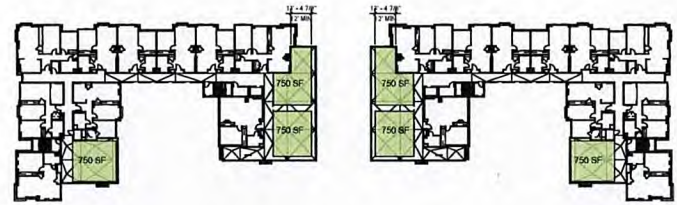
OPEN SPACE REQUIRED

| | | |
|----------------------------|-------------------------------|------------------------------------|
| TOTAL COMMON OUTDOOR SPACE | 87,991.2 SF (LOT SIZE) X .2 = | 17,598 S.F. |
| COMMON INDOOR OPEN SPACE | 500 S.F. MINIMUM* | 500 S.F. |
| PRIVATE OPEN SPACE | (78 / 2 UNITS) X 36 SF = | 1,404 S.F. (NOT INCLUDED IN TOTAL) |
| TOTAL OPEN SPACE REQUIRED | | 18,059 S.F. |

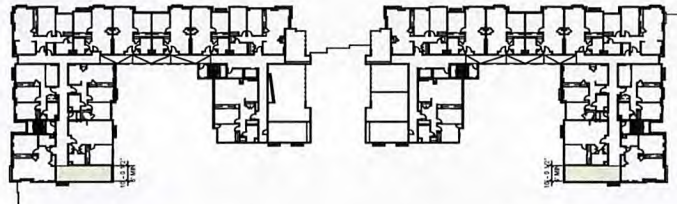
OPEN SPACE PROVIDED

| | |
|---------------------------------|------------------------------------|
| TOTAL COMMON OUTDOOR OPEN SPACE | 17,900 S.F. |
| COMMON INDOOR OPEN SPACE | 908 S.F. |
| PRIVATE OPEN SPACE | 1,449 S.F. (NOT INCLUDED IN TOTAL) |
| TOTAL OPEN SPACE PROVIDED | 19,800 S.F. |

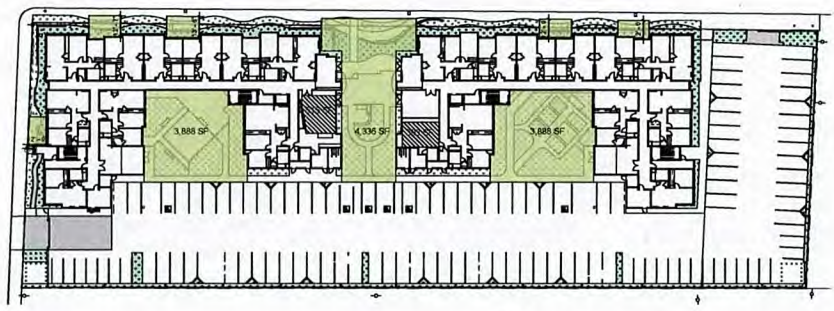
4 LEVEL 4 - OPEN SPACE DIAGRAM
 1/32" = 1'-0"
 LEVEL 4
 PRIVATE OPEN SPACE: 682 SF



3 LEVEL 3 - OPEN SPACE DIAGRAM
 1/32" = 1'-0"
 LEVEL 3
 COMMON OUTDOOR OPEN SPACE: 4,500 SF



2 LEVEL 2 - OPEN SPACE DIAGRAM
 1/32" = 1'-0"
 LEVEL 2
 PRIVATE OPEN SPACE: 722 SF



1 LEVEL 1 - OPEN SPACE DIAGRAM
 1/32" = 1'-0"
 LEVEL 1
 COMMON OUTDOOR OPEN SPACE: 13,400 SF
 COMMON INDOOR OPEN SPACE: 908 SF

*1/4" steel is smaller than 3/8" high by 4/8" wide than it has been reduced.

LEGACY APARTMENTS

1310 ADELLA AVE.
 SOUTH GATE, CA 90260

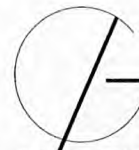
PROJECT NO. 1988

This plan and drawings are prepared for the project, as shown, and are not to be used for any other project without the written consent of Gonzalez Goodale Architects.

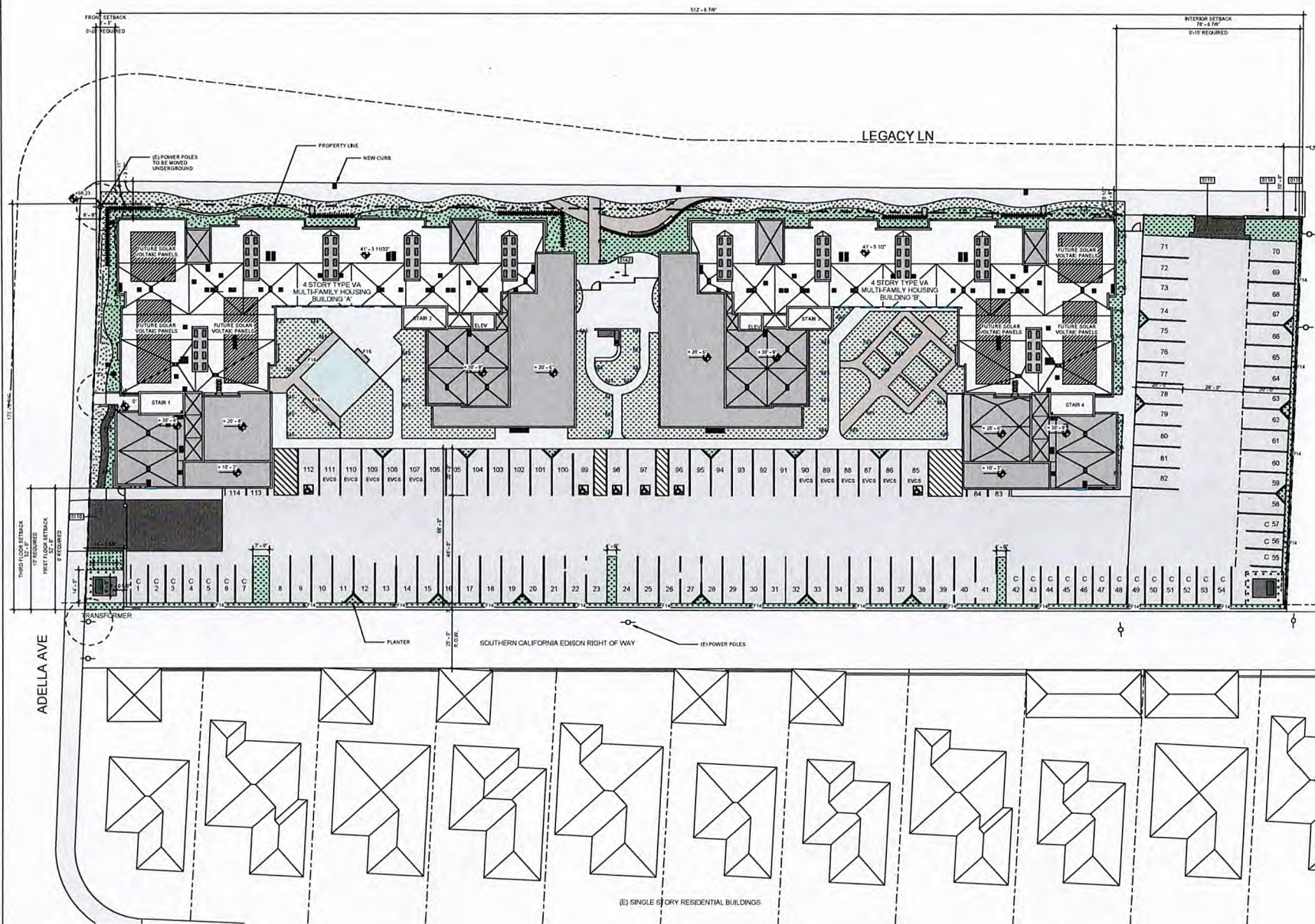
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DRAWING TITLE
BUILDING CODE ANALYSIS - OPEN SPACE

G1.02
 PLOT DATE: 7/26/2023 3:14:18 PM



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LEGACY APARTMENTS

10308 ADELLA AVE
SOUTH GATE, CA 90260

PROJECT NO. 19886

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ISSUE DATE DESCRIPTION
02/20/2020 CITY COUNCIL REVIEW

REVISION DATE DESCRIPTION



DRAWING TITLE

SITE PLAN

A1.01

PLOT DATE: 7/26/2020 3:14:47 PM

1 SITE PLAN
5/16" = 1'-0"

KEYNOTE LEGEND
0110 STAMPED CONCRETE
0138 BICYCLE RACK
0142 DECORATIVE BICYCLE RACK

LIGHTING LEGEND

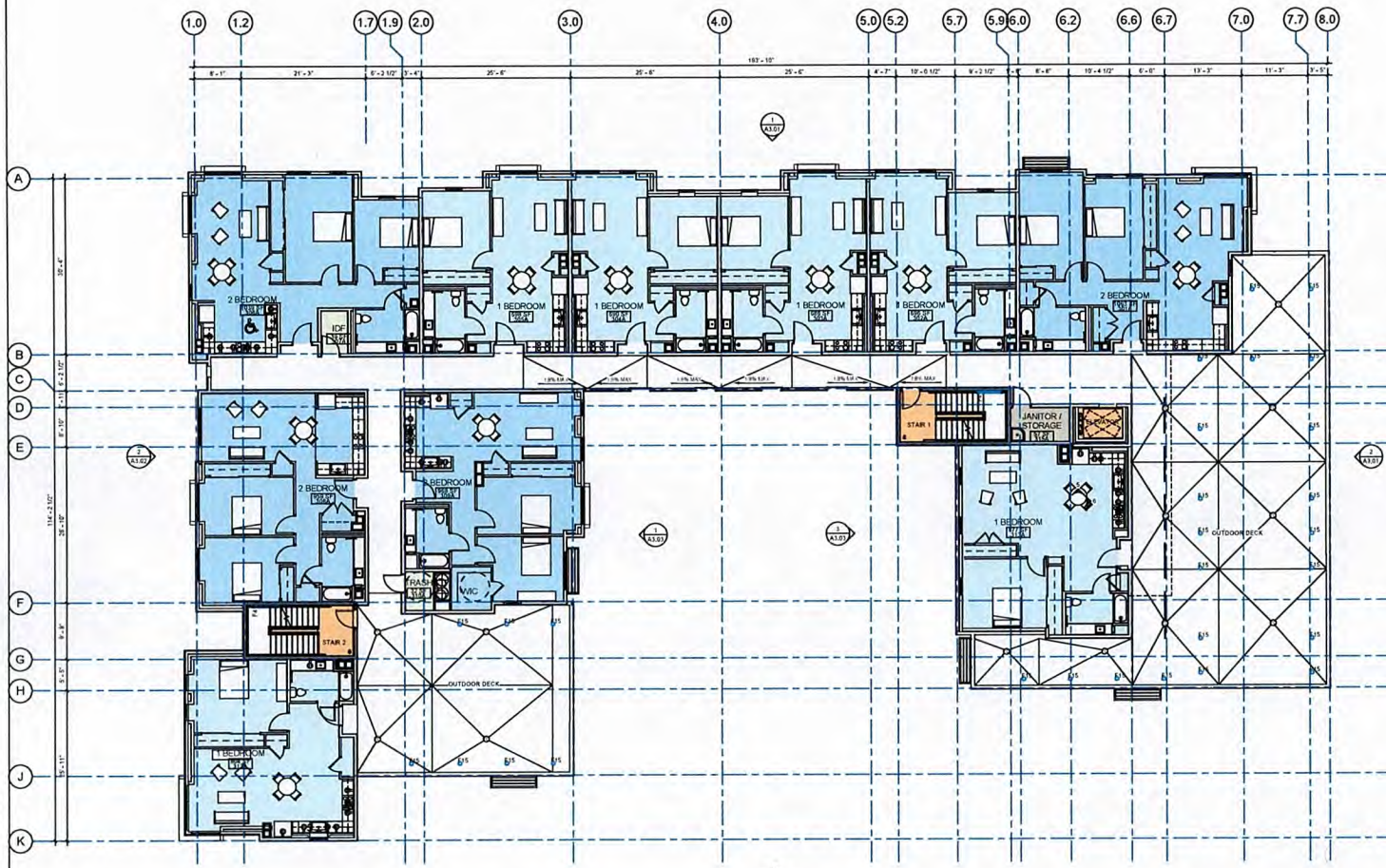
- BOLLARD PATH LIGHT
- PARKING LOT LIGHT POLE
- EXTERIOR WALL MOUNTED LIGHT
- RECESSED PATH LIGHT (EMBEDDED IN CONCRETE BENCH)
- EXTERIOR DOWNLIGHT (ABOVE METAL SCREENS)

LEGEND

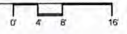
- - - PROPERTY LINE
- LANDSCAPED AREA

78 UNITS TOTAL
46 1-BEDROOM UNITS
32 2-BEDROOM UNITS
TYPE VA, 4 STORY BUILDING
114 PARKING SPACES
23 COMPACT SPACES

*This sheet is smaller than 30" high by 42" wide than it has been reduced.



1 THIRD FLOOR PLAN BLDG A
1/8" = 1'-0"



KEYNOTE LEGEND



LEGACY APARTMENTS

15133 ADELIA AVE
SOUTH GATE, CA 90260

PROJECT NO. 1988

This case and design represented herein and the drawings, all prepared by Gonzalez Goodale Architects, are for the use of the client and subject to the approval of the City of Pasadena. Any other use, including reproduction, without the written consent of Gonzalez Goodale Architects is prohibited.

DATE DESCRIPTION
12/20/2018 CITY COUNCIL REVIEW

REVISION DATE DESCRIPTION



DRAWING TITLE

THIRD FLOOR PLAN
BLDG A

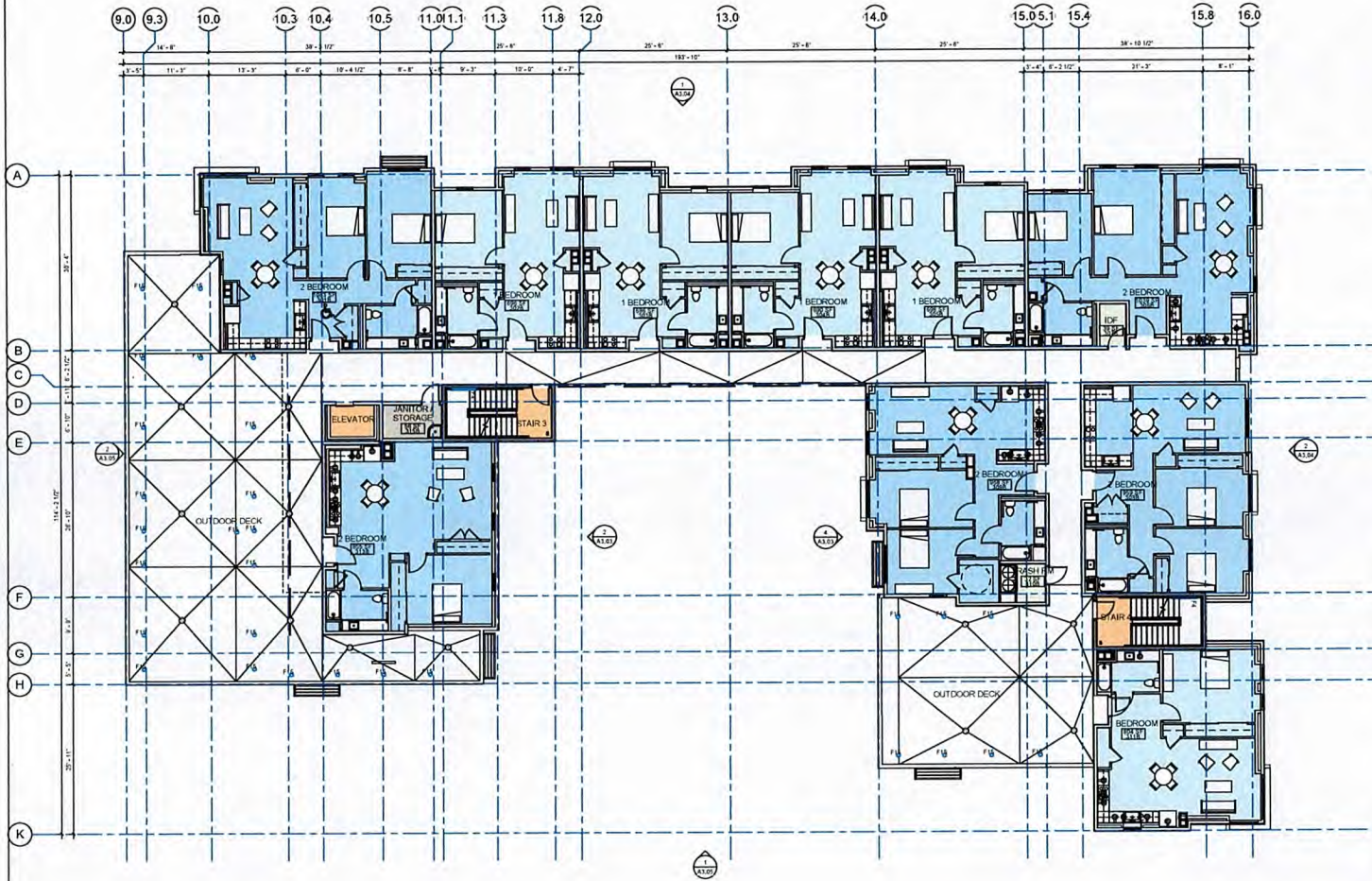
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PLOT DATE: 7/26/2020 2:21:13 PM

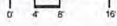
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**GONZALEZ GOODALE
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1 03 LEVEL 3 BLDG B
1/8" = 1'-0"



If this sheet is smaller than 30" high by 42" wide then it has been reduced.

LEGACY APARTMENTS

15150 ADELIA AVE.
SOUTH GATE, CA 90220

PROJECT NO. 1988

The owner and designer represent that they are the authors of the design and content of this document. Gonzalez Goodale Architects, Inc. is not responsible for the project and content. Gonzalez Goodale Architects, Inc. is not responsible for the project and content. Gonzalez Goodale Architects, Inc. is not responsible for the project and content.

ISSUE DATE DESCRIPTION
02/21/2021 CITY COUNCIL REVIEW

REVISION DATE DESCRIPTION

DRAWING TITLE

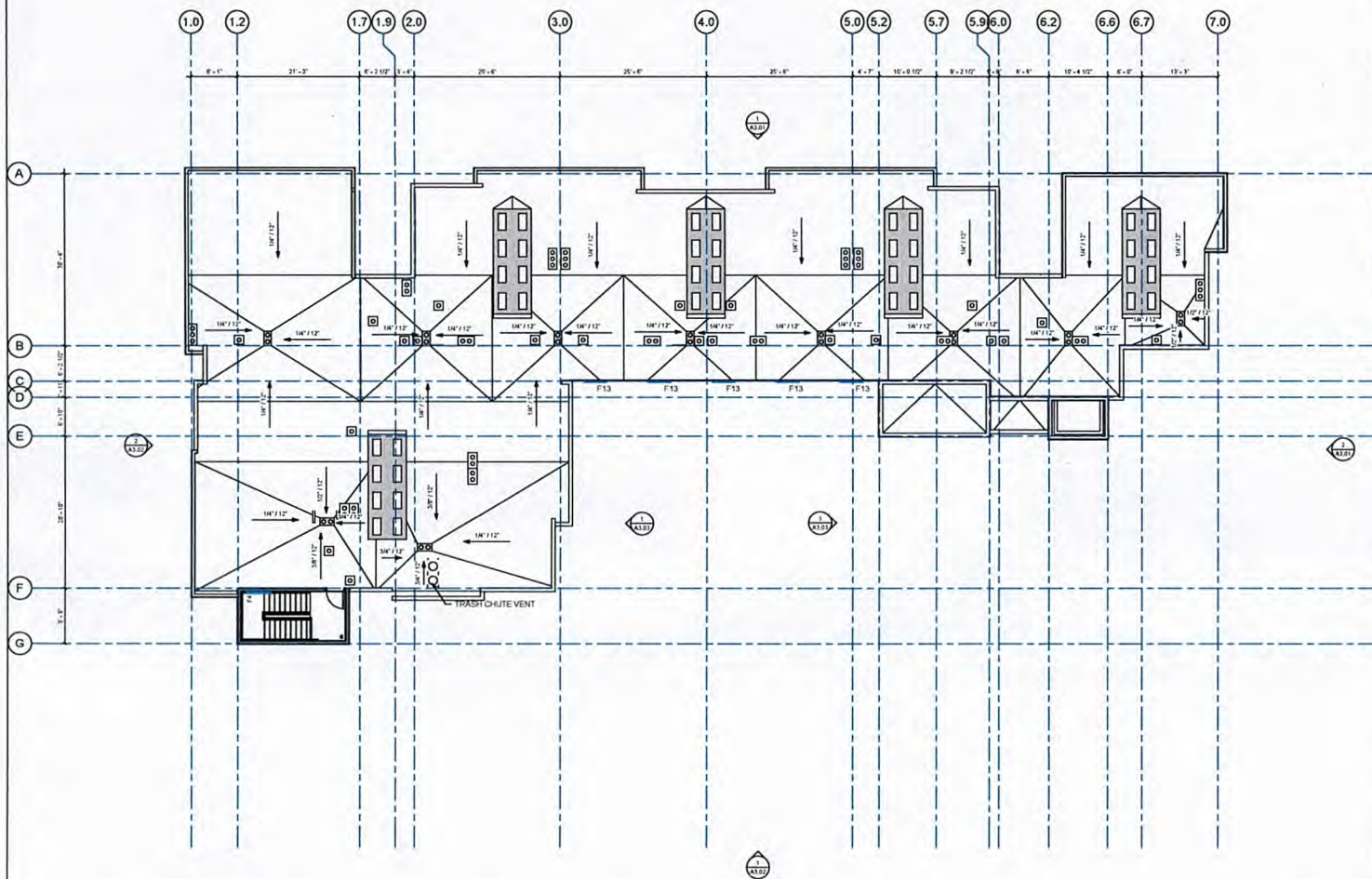
**THIRD FLOOR PLAN
BLDG B**

A2.32B

PLOT DATE: THURSDAY 2:31:20 PM



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PASADENA, CALIFORNIA 91105



1 ROOF PLAN BLDG A
1/4" = 1'-0"



If this sheet is smaller than 30" high by 42" wide than it has been reduced.

LEGACY APARTMENTS

16130 ADELIA AVE.
SOUTH GATE, CA 90260

PROJECT NO. 1886

The floor and finish requirements herein and the amount of materials are intended to provide a guide for the contractor and shall not be used as a basis for any other purpose without the prior written consent of the architect.

ISSUE DATE DESCRIPTION
REVISION - CITY COUNCIL REVIEW

REVISION DATE DESCRIPTION

DRAWING TITLE

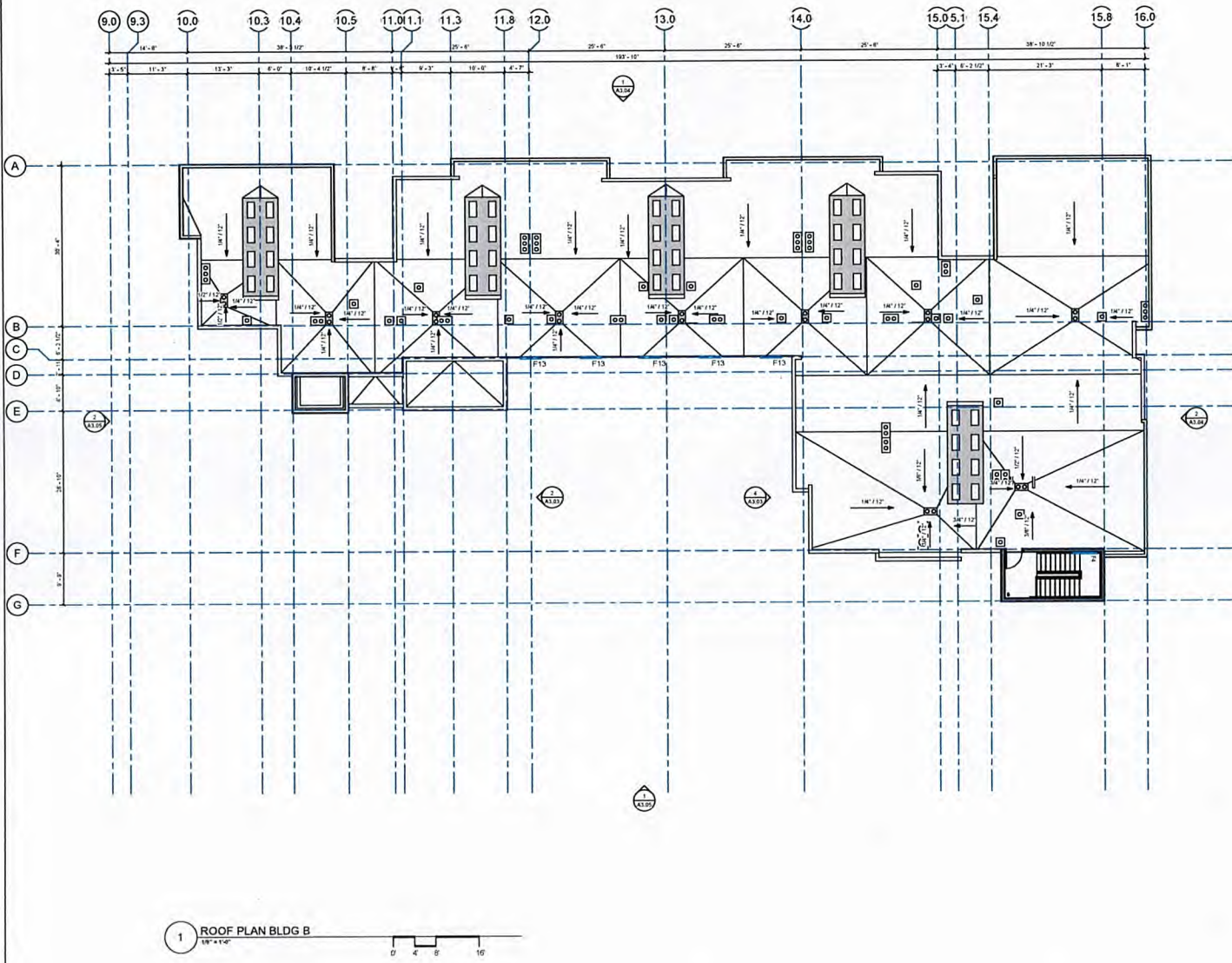
ROOF PLAN BLDG A

A2.51A

PLOT DATE: THURSDAY 2:31:39 PM



**GONZALEZ GOODALE
ARCHITECTS**
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135 WEST GREEN ST SUITE 200
PASADENA, CALIFORNIA 91105



1 ROOF PLAN BLDG B
1/8" = 1'-0"

LEGACY APARTMENTS

10138 ADELIA AVE.
SOUTH GATE, CA 90906

PROJECT NO. 1888

This plan and figures represented herein are the work of the undersigned and are not to be used for any other project without the written consent of the undersigned. Gonzalez Goodale Architects, Inc. is not responsible for the accuracy of the information provided by others.

| ISSUE DATE | DESCRIPTION |
|------------|---------------------|
| 8/27/2024 | CITY COUNCIL REVIEW |

| REVISION DATE | DESCRIPTION |
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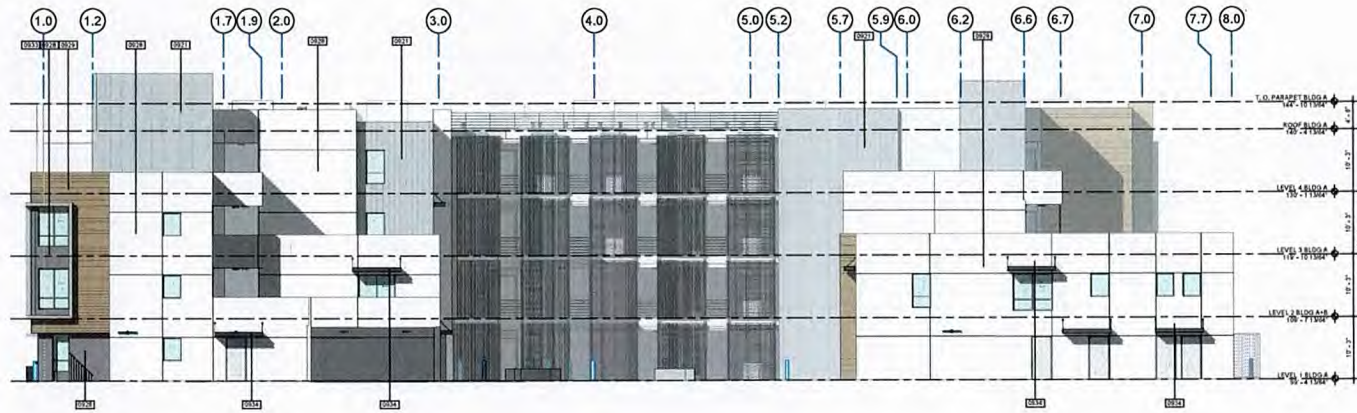
DRAWING TITLE

ROOF PLAN BLDG B

A2.51B

PLOT DATE: 7/26/2024 2:21:42 PM

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

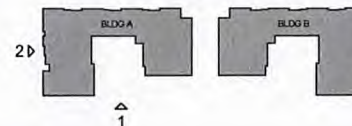


1 SOUTH ELEVATION - BLDG A
1/8" = 1'-0"



2 WEST ELEVATION - BLDG A
1/8" = 1'-0"

SITE LEGEND



- KEYNOTE LEGEND
- 0148 EXTERIOR GREEN WALL
 - 0106 PLASTER FINISH LOW WALL
 - 0508 METAL TRELLIS
 - 0201 METAL STANDING SEAM SIDING
 - 0928 EXTERIOR 2000 PLASTER
 - 0929 NICHIA OR APPROVED EQUIVALENT RAINSCREEN SIDING
 - 0303 METAL PANEL
 - 0934 METAL AWNING
 - 0974 BOLLARD LIGHT
 - 1009 FDC CONNECTION, UNDER SEPARATE PERMIT



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PASADENA, CALIFORNIA 91105

LEGACY APARTMENTS

1510 ASHLEA AVE.
SOUTH GATE, CA 90260

PROJECT NO. 1888

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REVISION DATE DESCRIPTION

REVISION DATE DESCRIPTION

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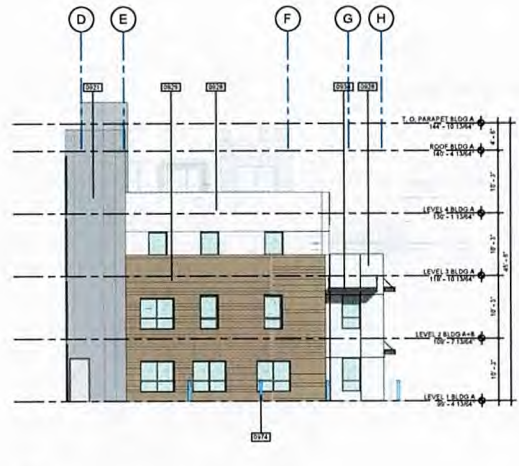
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ELEVATIONS BLDG A

A3.02

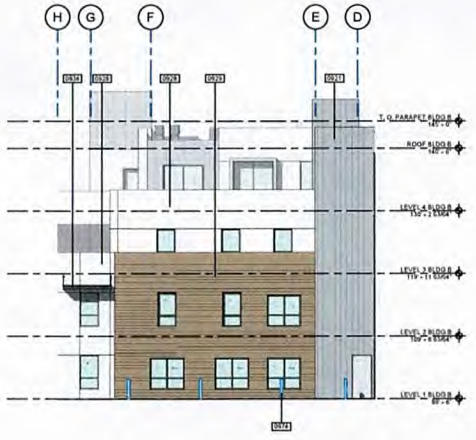
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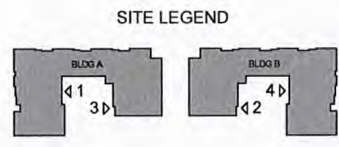
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1/8" = 1'-0"



4 COURTYARD EAST - BLDG B
1/8" = 1'-0"



- KEYNOTE LEGEND
- 0921 METAL STANDING SEAM SIDING
 - 0928 EXTERIOR 2000 PLASTER
 - 0929 NICHHA OR APPROVED EQUIVALENT RAINSCREEN SIDING
 - 0933 METAL PANELS
 - 0934 METAL AWNING
 - 0974 BOLLARD LIGHT
 - 1259 BOLLARD LIGHT
 - 1260 FIXED SEATING



LEGACY APARTMENTS

1515 ADILLA AVE.
SOUTH GATE, CA 90305

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REVISION CITY COUNCIL REVIEW

REVISION DATE DESCRIPTION

DRAWING TITLE
EXTERIOR
ELEVATIONS BLDG A
& BLDG B

A3.03

PLOT DATE: 7/26/2022 2:24:21 PM

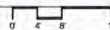
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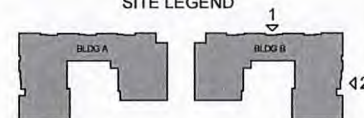
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2 EAST ELEVATION - BLDG B
1/8" = 1'-0"



SITE LEGEND



- KEYNOTE LEGEND
- 0001 DIVISION 00 - CONTRACTING REQUIREMENTS (use these for general notes / instructions to the Contractor)
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 - 0606 PLASTER FINISH LOW WALL
 - 0908 METAL TRELLIS
 - 0921 METAL STANDING SEAM SIDING
 - 0928 EXTERIOR 2500 PLASTER
 - 0929 NICHHA OR APPROVED EQUIVALENT RAINSCREEN SIDING
 - 0933 METAL PANEL
 - 0934 METAL AWNING
 - 1260 FIXED SEATING



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LEGACY APARTMENTS

1010 ACELLA AVE.
SOUTH GATE, CA 90260

PROJECT NO. 1888

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05/20/2019 REVISE/CLARIFICATION

REVISION DATE DESCRIPTION

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**EXTERIOR
ELEVATIONS - BLDG
B**

A3.04

PLOT DATE: TOWNSHIP 23 15 59 PM

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KEYNOTE LEGEND

LEGACY APARTMENTS

15131 AGELLA AVE.
SOUTH GATE, CA 90260

PROJECT NO. 10448

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DATE DESCRIPTION
 REVISION DESCRIPTION

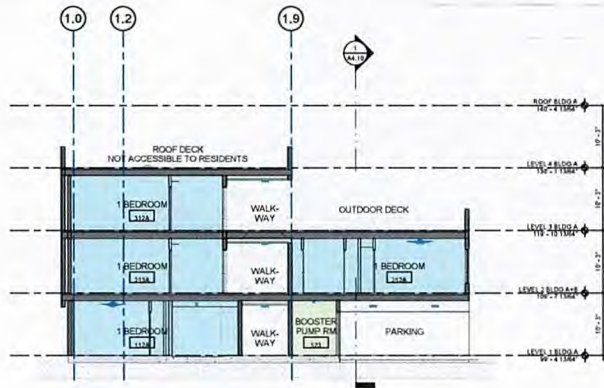
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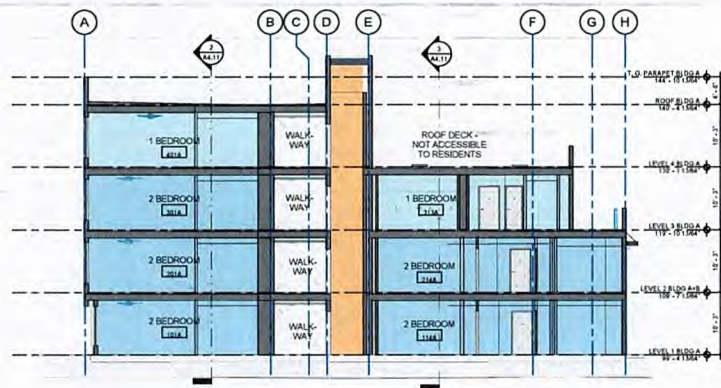
**BUILDING SECTIONS
BLDG A**

A4.11

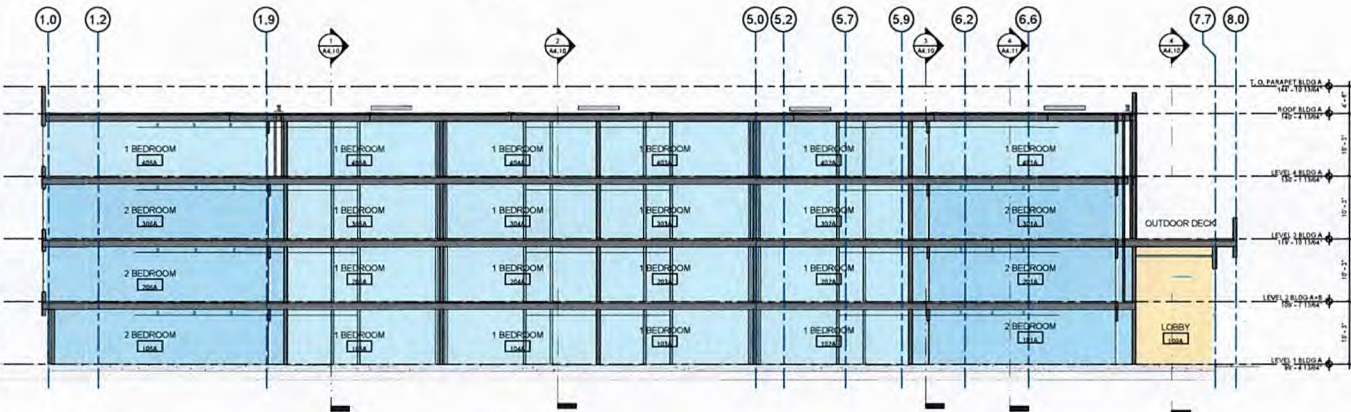
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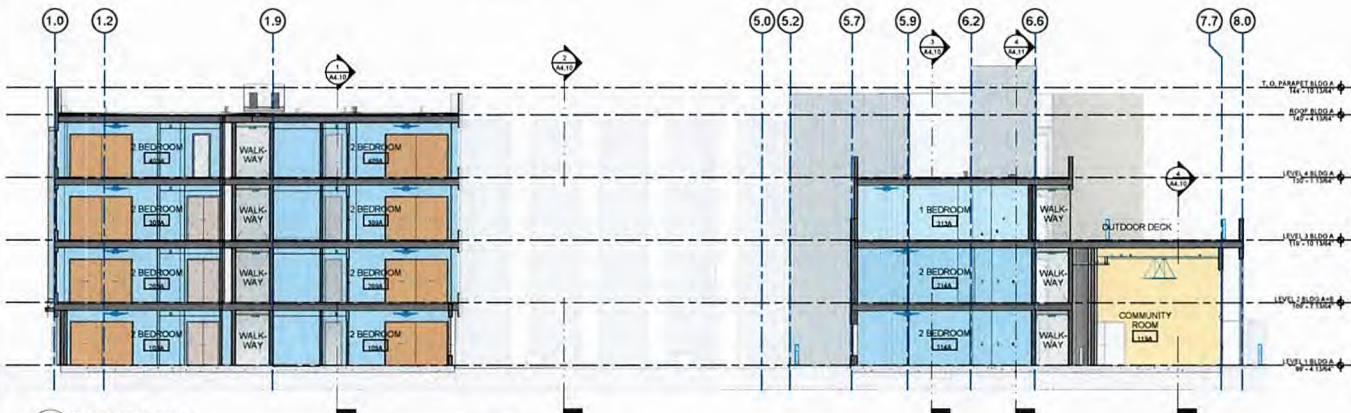
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4 BLDG A SECTION 8
18' x 14'



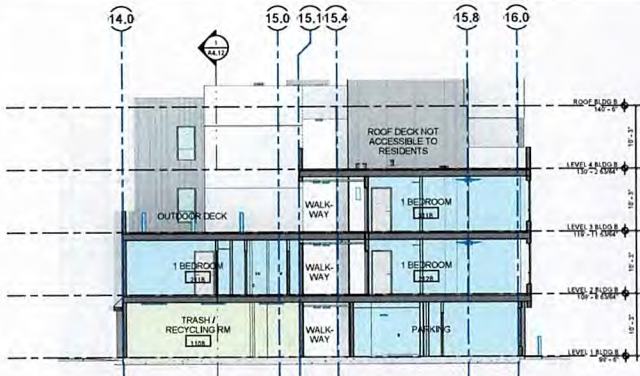
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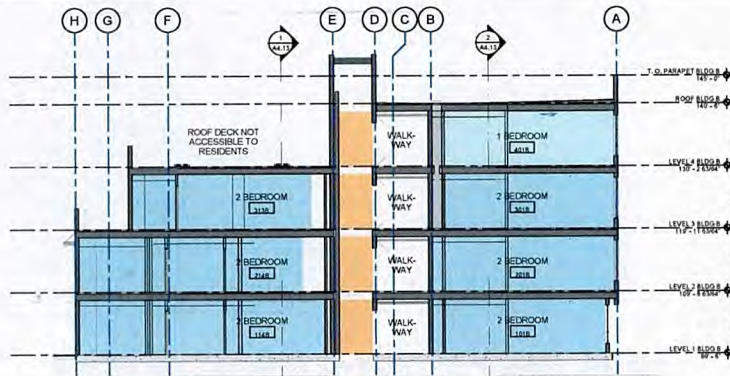
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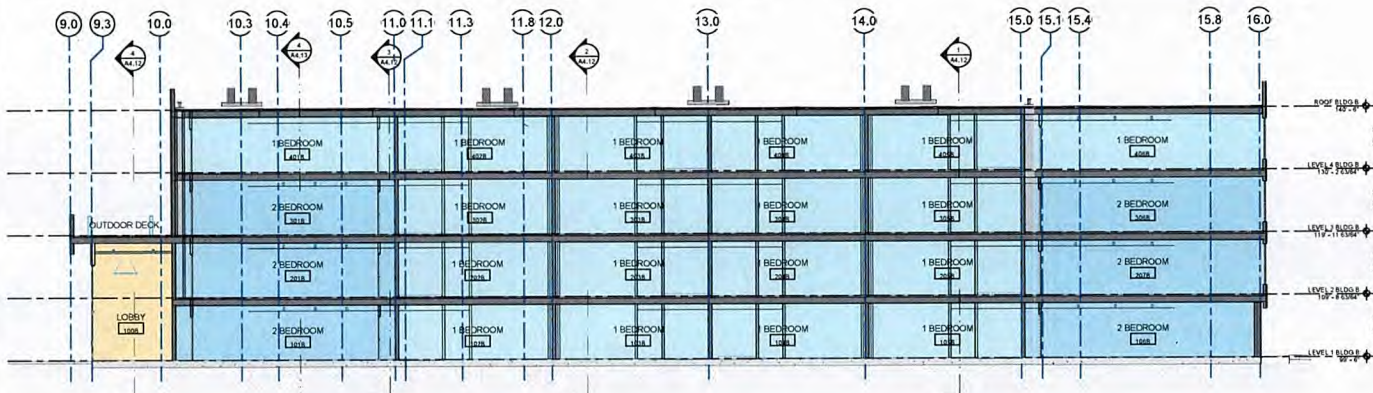
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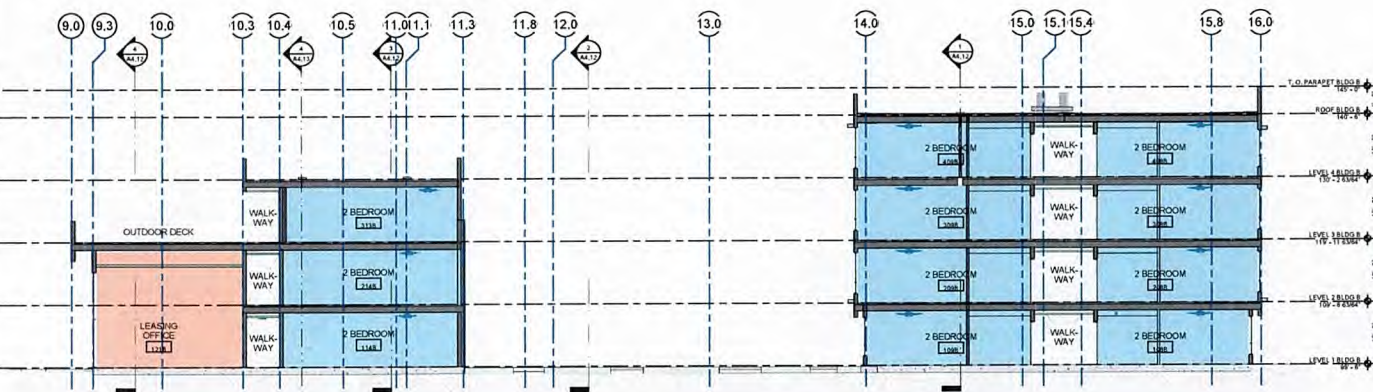
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4 BLDG B SECTION 8
18' x 14'



2 BLDG B SECTION 7
18' x 14'



1 BLDG B SECTION 6
18' x 14'

KEYNOTE LEGEND



GONZALEZ GOODALE ARCHITECTS
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 155 WEST GREEN ST SUITE 200
 PASADENA, CALIFORNIA 91105

LEGACY APARTMENTS

15115 ADELIA AVE.
 SOUTH GATE, CA 90260

PROJECT NO. 1885

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|------------|-------------|
| | |

| REVISION DATE | DESCRIPTION |
|---------------|-------------|
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DRAWING TITLE

**BUILDING SECTIONS
 BLDG B**

A4.13

PLOT DATE: 10/20/20 2:29:31 PM

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

ATTACHMENT G: Notice of Exemption

NOTICE OF CEQA EXEMPTION

TO: Los Angeles Registrar Recorder/County Clerk,
County of Los Angeles
Norwalk, California 90650

FROM: City of South Gate
Planning Division
8650 California Avenue
South Gate, California 90280

NAME: Legacy Apartments

ADDRESS: 10136 Adella Avenue, South Gate, California 90280

CITY/COUNTY: City of South Gate, Los Angeles County.

APPLICANT: Gonzales Goodale Architects. Attn: Laura Lehman. 135 W. Green Street, Suite 200,
Pasadena, California 91105

PROJECT: The project site consists of 2.02 acres (87,991 square feet) and is located near the southeast corner of Adella Avenue and Legacy Lane. The project would involve the construction and occupancy of 78 residential apartment units. Of this total number, 45 units will be one-bedroom units and 33 units will be two-bedroom units. Four units will be dedicated as affordable units for moderate income households. An Affordable Housing Agreement is required.

EXEMPTION: The project qualifies as exempt pursuant to Section 15132 (Infill Exemption).

STATUS:

- Ministerial (Section 21080 (b)(1); (Section No. _____));
- Declared Emergency (Section 21080 (b)(3); (Section No. _____));
- Emergency Project (Section 21080 (b)(4); (Section No. _____));
- Statutory Exemption (Section No. _____);
- Categorical Exemption (Section No. 15332, Infill Exemption [Class 32]);
- The activity is not subject to CEQA (Section No. _____);
- Other

CITY CONTACT Ms. Candida Neal, Planning Consultant
City of South Gate
8650 California Avenue
South Gate, California 90280

Name: Marc Blodgett

Date: July 16, 2020

1. INTRODUCTION

The applicant, Newport Property Ventures, Inc. in proposed to construct a four-story, 78-unit residential building in the City of South Gate. The address of the proposed project includes 10136 Adella Avenue in the City of South Gate. For this project, the City of South Gate has reviewed the proposed project and has determined that it is categorically exempt and qualifies for a Class 32 Infill Exemption.¹ While this Categorical Exemption (CE) has been prepared with the assistance of an environmental consultant, the findings of the analysis represent the independent judgment of the City of South Gate, in its capacity as Lead Agency for the project. Questions and/or comments should be submitted to the following contact person:

Ms. Candida Neal, Planning Consultant
City of South Gate
8650 California Avenue
South Gate, California 90280
cneal@sogate.org

This environmental document and all comments received shall be a part of the environmental record and review of the project. The following annotated outline summarizes the format and content of this CE:

- *Section 1 - Introduction*, provides the procedural context surrounding this Categorical Exemption's preparation and insight into its composition.
- *Section 2 - Project Information*, provides an overview of the affected area along with a description of the proposed project.
- *Section 3 - CEQA Findings in Support of Categorical Exemptions*, identifies the applicable exemptions along with supporting justification for using this exemption.

An Appendix (Appendix A) provides the technical analysis that supports the findings that the proposed project will not lead to any environmental impacts. Pursuant to the CEQA Guidelines, a CE may be filed if the City of South Gate, in its capacity as the Lead Agency, determines that a proposed action or project is exempt from CEQA. According to the CEQA Guidelines, a CE must contain the following information:

- A brief description of the project;
- The location of the project (either by street address and cross street for a project in an urbanized area or by attaching a specific map);
- A finding that the project is exempt from CEQA, including a citation to the State Guidelines section or statute under which it is found to be exempt;
- A brief statement of reasons to support the finding; and,
- The applicant's name.²

¹ CEQA Guidelines California Code of Regulations, Title 14, Division 6, Chapter 3, Article 19. Categorical Exemptions. (Section 15332).

² Ibid., (Section 15300).

This CE provides a description of the proposed project, indicates the applicable sections of CEQA that support the findings for the CEQA exemption, and discusses the Lead Agency's findings that are applicable to the proposed project. This CE represents the independent judgment and position of the City of South Gate, acting as the Lead Agency. The Applicant for the proposed project is Newport Property Ventures, Inc, 3585 Cadillac Avenue, Costa Mesa, California, 92626. An environmental assessment is provided in Appendix A that includes an environmental analysis of key issue areas to support the conclusion that the proposed project will not result in any significant environmental impacts associated with the proposed project's implementation.

The preparers of this document, Blodgett Baylois Environmental Planning (BBEP), determined that a Notice of Exemption is appropriate based on the findings contained herein. The analysis further determined that the project is categorically exempt and qualifies for a Class 32 Infill Development Project (CEQA Guidelines §15332). The Class 32 exemption consists of projects characterized as infill developments that meet the following conditions:³

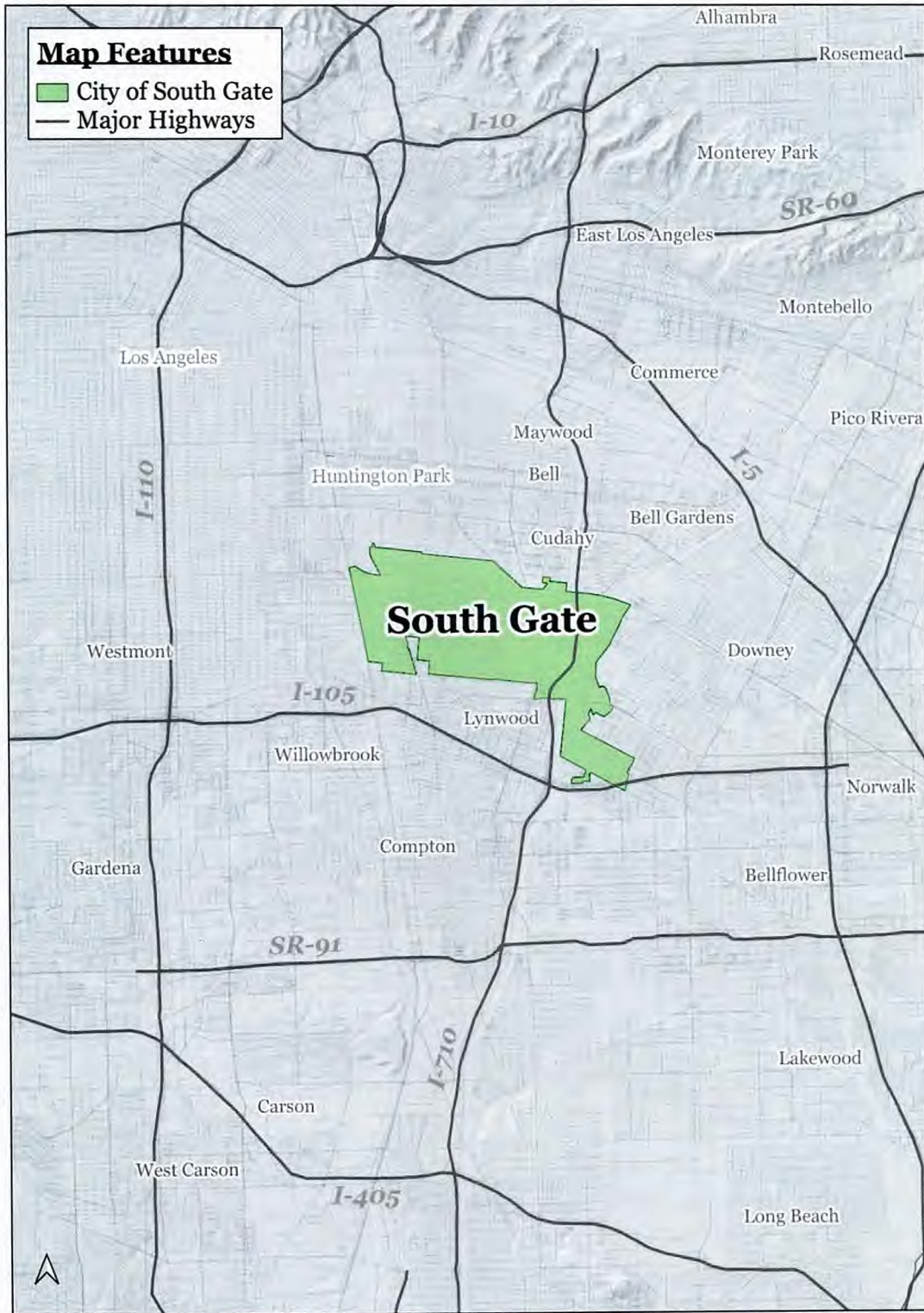
- The project is consistent with the applicable General Plan designation and all applicable General Plan policies as well as with applicable zoning designation and regulations;
- The proposed undertaking will occur within the City limits on a project site of not more than five acres that is substantially surrounded by urban uses;
- The project site has no value as habitat for endangered, rare, or threatened species;
- The approval of the project would not result in any significant effects relating to traffic, noise, air quality, or water quality; and,
- The site can be adequately served by all required utilities and public services.

2. PROJECT LOCATION

The proposed project site is located in the City of South Gate, an incorporated community that is part of the Gateway Cities region in southeastern Los Angeles County. South Gate is located approximately 7 miles southeast of Downtown Los Angeles, 14.3 miles north of the Ports of Los Angeles and Long Beach, and 13.3 miles east of the Los Angeles International Airport. The City of South Gate is bounded by Huntington Park, Cudahy and Bell Gardens to the north, Downey to the east, Lynwood and Paramount to the south, and Compton to the west. Regional access to the City of South Gate is provided by two major highways: the Long Beach Freeway (Interstate 710), which extends in a north to south orientation through the City of South Gate less than a mile east of the project site, and Century Freeway (Interstate 105) extending in an east to west orientation approximately one mile south of the City's southern boundary. The location of South Gate, in a regional context, is shown in Exhibit 1. A citywide map is provided in Exhibit 2.

The address of the proposed project includes 10136 Adella Avenue in the City of South Gate. The proposed project site is located in the southeastern portion of the City. The applicable Assessor's Parcel Number is 6221-026-020. Vehicular access to the project would be provided by a driveway connection with Legacy Lane and a driveway connection with Adella Avenue. The location of South Gate, in a regional context, is shown in Exhibit 1. A citywide map is provided in Exhibit 2. The address of the proposed project includes 10136 Adella Avenue. A local map is provided in Exhibit 3.

³ CEQA Guidelines California Code of Regulations, Title 14, Division 6, Chapter 3, Article 19. Section 153332.



**EXHIBIT 1
REGIONAL MAP**

SOURCE: BLODGETT BAYLOSIS ENVIRONMENTAL PLANNING



EXHIBIT 2 CITYWIDE MAP

SOURCE: BLODGETT BAYLOSIS ENVIRONMENTAL PLANNING



**EXHIBIT 3
VICINITY MAP**

SOURCE: BLODGETT BAYLOSIS ENVIRONMENTAL PLANNING

CATEGORICAL EXEMPTION • CITY OF SOUTH GATE
LEGACY APARTMENTS • 10136 ADELLA AVENUE



Note: Buildings shown within the parcel boundary have been removed, and the proposed project site is currently vacant.

EXHIBIT 4
AERIAL MAP
SOURCE: GOOGLE MAPS

3. ENVIRONMENTAL SETTING

The project site is located on a vacant property that was formerly occupied by a steel fabrication facility that has since been demolished. The proposed project site's applicable Zoning and General Plan land use designation of *Industrial Flex (IF)*. An aerial photograph of the project site is provided in Exhibit 4. The surrounding land uses include the following:

- *North of the Site:* Legacy Lane extends along the north side of the project site. Further north, on the north side of Legacy Lane, is a large vacant property that is part of the International Studies Learning Center Middle School (ISLCMS). This area is being used by the nearby school as athletic fields.⁴
- *South of the Site:* A Southern California Edison transmission corridor abuts the project's south property line. Eleven residential lots about the SCE corridor. The existing homes have frontage on Aldrich Road.⁵
- *West of the Site:* Adella Avenue intersects with Legacy Lane at the northwest corner of the site and extends along the project site's west side. A portion of the ISLCMS property is located on the west side of this segment of Adella Avenue.⁶ K-rails extend from the southeast corner of the site across Adella Avenue blocking vehicular traffic from the residential neighborhood to the south.
- *East of the Site:* Smaller and older industrial uses are located to the west of the proposed project site. The current occupant is Right Way Express, Inc. (10111 Burtis Street). The Los Angeles River is located further west. The river channel is not visible from the project site due to a berm that extends along the channel.⁷

4. PROJECT DESCRIPTION

The project site consists of 2.02 acres (87,991 square feet) and would involve the construction and occupancy of 78 residential apartment units. The key elements of the proposed project are described below.

- *Site Plan.* As indicated previously, the proposed project site has a total land area of 87,991 square feet or 2.02 acres. The 78 rental units will be located in two, four level buildings that will extend along the south side of Legacy Lane. The two new buildings will be referred to as *Building A* and *Building B*. Surface parking will be provided along the buildings' south and east sides with access to the parking area provided by a driveway connection with Legacy Lane in the northeast corner of the site and Adella Avenue in the southwest corner.⁸
- *Building A.* This building will be located in the northwest corner of the site. This building will contain a total of 39 apartment units. Of this total, 23 units would be one-bedroom units and 16 units would be two-bedroom units. Building A will also include a community room, laundry room on the first floor, two rooftop community patios on the third floor and another two rooftop community patios on the fourth floor.⁹

⁴ Google Maps. Website accessed on May 20, 2020.

⁵ Ibid.

⁶ Ibid.

⁷ Ibid.

⁸ Gonzales Goodale Architects. *Planning Design Submittal, General Project Information. GO-1.* July 29, 2020.

⁹ Ibid.

- *Building B.* This building will be located near the northeast corner of the site, east of Building A. This building will contain a total of 39 apartment units. Of this total, 22 units would be one-bedroom units and 17 units would be two-bedroom units. Building B will also include a leasing office, fitness room, laundry room, on the first floor, two rooftop community patios on the third floor and another two rooftop community patios on the fourth floor.¹⁰
- *Apartment Units.* As indicated previously, the proposed project will contain 78 apartment units within Building A and Building B. Of this total, 45 units would be one-bedroom units and 33 units would be two-bedroom units. Each individual rental unit will include a living room, kitchen/dining area, and a bathroom. Five percent of the units (4 units) will be reserved for very low-income households.¹¹
- *Development Characteristics.* The 78 units will be included in the two, four level structures. The proposed project's floor area ratio (FAR) will be 1.86 (the base maximum permitted FAR is 2.0).¹² As indicated previously, the proposed project site has a total land area of 87,991 square feet or 2.02 acres. The proposed project's total floor area will be 195,982 square feet. The proposed project's development density will be 40 units per acre. The maximum building height of the two buildings will be 47 feet (the maximum permitted height is 50 feet).¹³
- *Circulation & Access.* Vehicular access to the proposed project site would be provided by two driveways. The first driveway connection is located on the east side of Adella Avenue. The second driveway is located in the northeast corner of the proposed project site and would connect with the south side of Legacy Lane. Both driveways and the drive aisle that extends along the site's east and south sides are 26-feet wide.¹⁴
- *Parking.* Vehicular parking spaces will be provided along the east and south sides of the project site. The proposed project will provide a total of 114 parking spaces. Of this total, 91 spaces would be standard spaces and 23 spaces would be compact spaces. The proposed project would also provide 5 ADA spaces along with 11 spaces for electric vehicle parking/charging. Finally, a total of 16 bicycle racks will be provided.¹⁵
- *Landscaping & Open Space.* Landscaping would be provided along the proposed project's street frontages with Adella Avenue and Legacy Lane and around the proposed new buildings. Landscaping will total 17,598 square feet of land area and would account for 20% of the total lot area. The project does not include any *private* open space, only *common* open space. The project Applicants will be required to obtain a waiver for the private open space requirement as part of their affordable housing agreement.¹⁶

The site plan for the proposed project is provided in Exhibit 4. The proposed building elevations are provided in Exhibit 5.

¹⁰ Gonzales Goodale Architects. *Planning Design Submittal, General Project Information. GO-1. July 29, 2020.*

¹¹ Ibid.

¹² The floor area ratio (FAR) is simply the ratio of a building's total floor area to the total site area on which the building is located. For example a 10,000 square foot building located on a 20,000 square foot lot has a FAR of 0.50.

¹³ Gonzales Goodale Architects. *Planning Design Submittal, General Project Information. GO-1. July 29, 2020.*

¹⁴ Ibid.

¹⁵ Ibid.

¹⁶ Ibid.



NORTH EAST PERSPECTIVE BUILDING A (BUILDING B SIMILAR)



NORTH ELEVATION BUILDING A



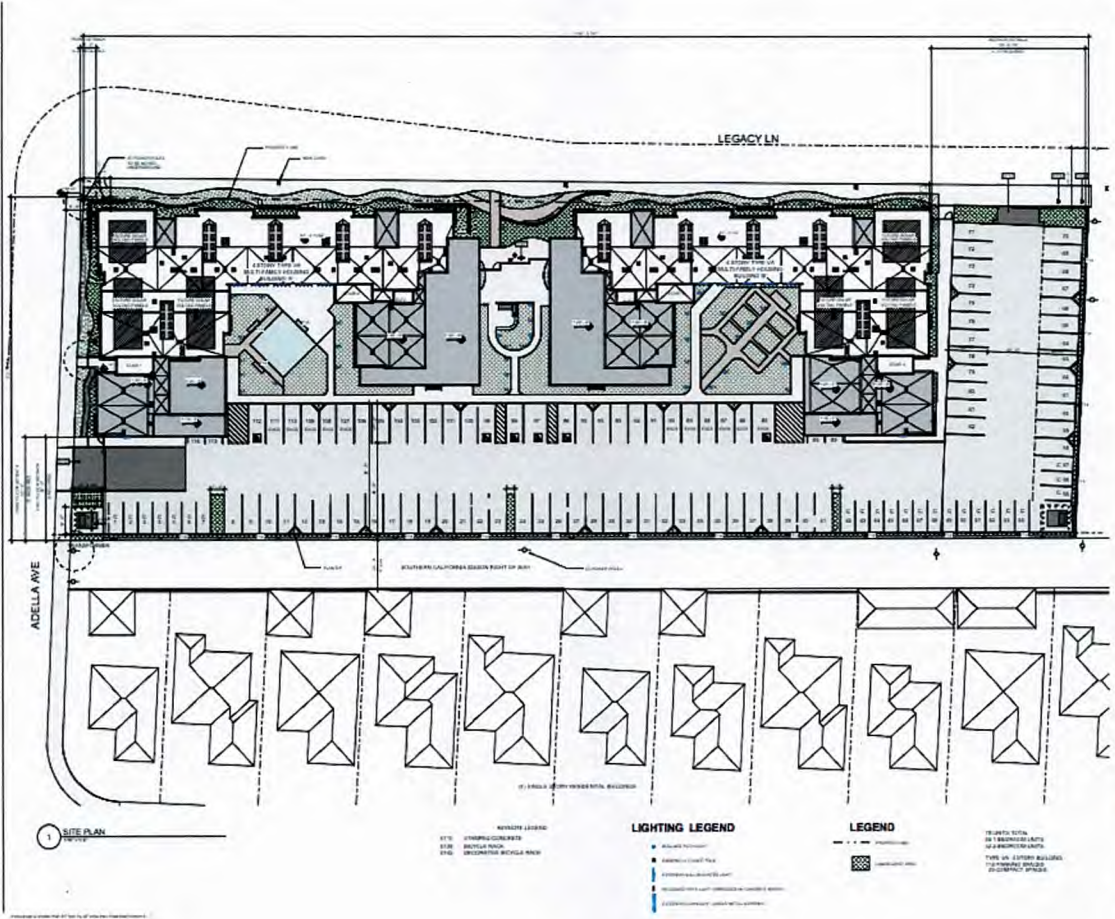
WEST PERSPECTIVE BUILDING A



SOUTH PERSPECTIVE BUILDING A

EXHIBIT 5
BUILDING ELEVATIONS
SOURCE: GONZALES GOODALE ARCHITECTS

CATEGORICAL EXEMPTION • CITY OF SOUTH GATE
 LEGACY APARTMENTS • 10136 ADELLA AVENUE



GONZALES GOODALE ARCHITECTS
 2000 W. 10TH ST. SUITE 100
 SOUTH GATE, CA 90260

LEGACY APARTMENTS

SITE PLAN

A1.01

EXHIBIT 6
SITE PLAN
 SOURCE: GONZALES GOODALE ARCHITECTS

5. CEQA FINDINGS IN SUPPORT OF THIS CATEGORICAL EXEMPTION

The City of South Gate determined, following a preliminary evaluation of the proposed project, that the proposed project would not result in any significant effects on the environment. This finding is supported by the analysis provided in the remainder of this section and in the appendices. The City of South Gate makes the following findings in support of the Class 32 Infill Exemption (refer to CEQA Guidelines §15332):¹⁷

- *The project is consistent with the applicable General Plan designation and all applicable General Plan policies as well as with applicable zoning designation and regulations.*

The project site is located on a vacant property that was formerly occupied by a steel fabrication facility that has been demolished. The proposed project site's applicable Zoning and General Plan land use designation of *Industrial Flex (IF)*. The corresponding analysis is provided herein in Appendix A, Land Use and Planning.

- *The approval of the proposed project would not result in any significant effects relating to traffic, noise, air quality, or water quality.*

The proposed project consists of 78 rental units. The projected peak hour trips will be under the amount the Los Angeles County Congestion Management Program (CMP). The number of trips that will be created by the proposed project will be less than the number which would typically be created by a conventional manufacturing use. The proposed infill development will also translate into a reduction in the number of vehicle miles traveled (VMT). The proposed residential project will not generate excessive operational or roadway impacts that could affect sensitive receptors. The corresponding analysis is provided herein in Appendix A, Air Quality, Noise, and Transportation.

- *The site can be adequately served by all required utilities and public services.*

The City's utility providers are aware of the project and concluded that the project's demand for utility services such as waste, water, sewage, and electricity could be accommodated without the expansion or construction of new facilities other than those needed to serve the project site itself. The Los Angeles County Fire Department and the South Gate Police Department has reviewed the project application and provided development requirements that the Applicant must adhere to. The corresponding analysis is provided herein in Appendix A, Public Services and Utilities.

Furthermore, the City of South Gate makes the following additional findings in support of a CEQA exemption for the proposed project.

- *The proposed project will be limited to the project site and no dislocation of off-site structural improvements will be required to accommodate the proposed project.*

The project's implementation will be restricted to the project site and no off-site improvements other than those required to serve the project, will be required. The corresponding analysis is provided herein in Appendix A, Utilities.

¹⁷ CEQA Guidelines California Code of Regulations, Title 14, Division 6, Chapter 3, Article 19. Categorical Exemptions. (Section 153332).

- *The project site does not contain any sensitive environmental resources.*

The site was formerly developed and occupied as a metal fabrication facility that was demolished. The surrounding area is urbanized. No sensitive habitats (e.g., wetlands, vernal pools, critical habitats for sensitive species, etc.) were observed on-site during the field investigations. The site's utility as a habitat is further constrained by the on-site disturbance and the surrounding development. The corresponding analysis is provided herein in Appendix A, Biological Resources.

- *The project site is located within an urbanizing area of the City of South Gate. No scenic resources or scenic corridors will be affected by the proposed project.*

The project site was previously developed and the surrounding parcels are currently developed. The project site is primarily surrounded by urban uses. No natural or sensitive habitats are located within or adjacent to the property. As a result, the project will not result in any impacts to sensitive visual resources in the area. The corresponding analysis is provided herein in Appendix A, Aesthetics.

- *The project site is not located within an area, nor does it include a site, the Department of Toxic Substances Control (DTSC) and the Secretary for Environmental Protection has identified as being affected by hazardous wastes.*

The project site is not located on the California Department of Toxic Substances Control's Hazardous Waste and Substances Site List - Site Cleanup (Cortese List). The corresponding analysis is provided herein in Appendix A, Hazards and Hazardous Materials.

- *The proposed project will not result in any adverse impacts on historic resources.*

The proposed project site is currently undeveloped though it was formerly occupied by a steel fabrication plant that has been demolished. A review of the U.S. National Park Service's National Register of Historic Places and the State registrar indicated that there are no Federal- or State-recognized historic structures or sites located within the project site. The corresponding analysis is provided herein in Appendix A, Cultural Resources.

- *The proposed development will not require any review by a State trustee or responsible agency.*

No State trustee and responsible agencies are required as part of this project's environmental review.

Based on the analysis provided in this Notice of Exemption, the project meets and complies with the conditions and requirements of CEQA Guidelines Section 15332 (Class 32 Infill Exemption) and will not have any significant environmental impacts.

APPENDIX A
ENVIRONMENTAL ANALYSIS & CHECKLIST

AESTHETICS

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|---|--------------------------------|--|------------------------------|-----------|
| a) Except as provided in Public Resources Code Section 21099, would the project have a substantial adverse effect on a scenic vista? | | | | X |
| b) Except as provided in Public Resources Code Section 21099, would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway? | | | | X |
| c) Except as provided in Public Resources Code Section 21099, would the project, in non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publically accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality? | | | | X |
| d) Except as provided in Public Resources Code Section 21099, would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area? | | | | X |

Discussion of Findings

- A.** The project would involve the construction and occupancy of 78 residential apartment units. Of this total number, 45 units will be one-bedroom units and 33 units will be two-bedroom units. The project site is located on a vacant property that was formerly occupied by a steel fabrication facility that has been demolished. The proposed project site’s applicable Zoning and General Plan land use designation of *Industrial Flex (IF)*. Legacy Lane extends along the north side of the project site. Further north, on the north side of Legacy Lane, is a large vacant property that is part of the International Studies Learning Center Middle School (ISLCMS). This area is being used as athletic fields. Residential uses are located along the south side of the project site. These existing homes have frontage on Aldrich Road. A portion of the ISLCMS property is located on the west side of this segment of Legacy Lane. Finally, smaller and older industrial uses are located to the west of the proposed project site. The current occupant is Right Way Express, Inc. (10111 Burtis Street). The Los Angeles River is located further west. The river channel is not visible from the project site due to a berm that extends along the west side of the river channel. The views from the project site are dominated by urban development in the surrounding area. The new development will be an improvement over the industrial buildings that formerly occupied the project site. As a result, no impacts will occur.
- B.** According to the California Department of Transportation, none of the streets located adjacent to the proposed project site (Adella Avenue or Legacy Lane) are designated scenic highways and there are no state or county designated scenic highways in the vicinity of the project site. According to the California Department of Transportation (Caltrans), the nearby section of Interstate 710 is not a designated scenic highway and there are no State or County designated scenic highways adjacent to the project site. The project site is vacant and undeveloped, with no scenic resources including trees or rock outcroppings that would be affected by the proposed project. In addition, the site does not contain any

APPENDIX A
CATEGORICAL EXEMPTION • CITY OF SOUTH GATE
LEGACY APARTMENTS • 10136 ADELLA AVENUE

buildings listed in the State or National registrar. Lastly, the project site does not contain any buildings listed in the State or National registrar. As a result, no impacts will occur.

- C. There are no protected views in the vicinity of the City and the City does not contain any scenic vistas. The proposed project site's applicable Zoning and General Plan land use designation of *Industrial Flex (IF)*. The proposed project is generally consistent with the site's Zoning and General Plan designation. In addition, the City does not have any zoning regulations or other regulations governing scenic quality. As a result, no impacts will occur.
- D. The nearest light sensitive receptors to the propose project site include the residential uses located south of the SCE transmission corridor. No light sensitive land uses are located in the area. Project-related sources of nighttime light would include street lights, security lighting, and vehicular headlights. The proposed project will not expose any sensitive receptors to daytime or nighttime light trespass since the project will be in conformance with the light regulations described in Title 7, Chapter 7.45 Light Emissions which prohibits the shining of light into nearby light sensitive uses. As a result, the impacts will be less than significant.

SOURCES

Blodgett Baylosis Environmental Planning. *Site Survey*. The survey was conducted on April 17, 2020.

California Department of Transportation. *California Scenic Highway Mapping System*. http://www.dot.ca.gov/hq/LandArch/scenic_highways/

AGRICULTURE & FORESTRY RESOURCES

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|--|--------------------------------|--|------------------------------|-----------|
| a) Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use? | | | | X |
| b) Would the project conflict with existing zoning for agricultural use, or a Williamson Act Contract? | | | | X |
| c) Would the project conflict with existing zoning for or cause rezoning of, forest land (as defined in Public Resources Code section §12220(g)), timberland (as defined by Public Resources Code section §4526), or timberland zoned Timberland Production (as defined by Government Code section §51104(g))? | | | | X |
| d) Would the project result in the loss of forest land or the conversion of forest land to a non-forest use? | | | | X |
| e) Would the project involve other changes in the existing environment which, due to their location or nature, could result in the conversion of farmland to non-agricultural use or the conversion of forest land to a non-forest use? | | | | X |

Discussion of Findings

- A. The project would involve the construction and occupancy of 78 residential apartment units. The project site is located on a vacant property that was formerly occupied by a steel fabrication facility that has been demolished. The proposed project site's applicable Zoning and General Plan land use designation of *Industrial Flex (IF)*. According to the California Department of Conservation, the project site contains areas of Farmland of Statewide Importance. Even though the site is vacant (it was formerly occupied by an industrial use), no agricultural uses are located onsite or in the area. Since the implementation of the proposed project will not involve the conversion of prime farmland, unique farmland, or farmland of statewide importance to urban uses, no impacts would occur.
- B. The project site is currently zoned as *Industrial Flex (IF)*. The property was formerly developed as an industrial use. There are currently no agricultural uses located within the site that would be affected by the project's implementation. According to the California Department of Conservation Division of Land Resource Protection, the project site is not subject to a Williamson Act Contract. As a result, no impacts on existing Williamson Act Contracts will result from the proposed project's implementation.
- C. The project site is located in the midst of an urbanized area and no forest lands are located within the site. While the site is vacant, it was formerly occupied by a manufacturing use. Furthermore, the site's existing zoning designation does not contemplate forest land uses. As a result, no impacts will result.

APPENDIX A
CATEGORICAL EXEMPTION • CITY OF SOUTH GATE
LEGACY APARTMENTS • 10136 ADELLA AVENUE

- D. No forest lands are located within the project site within adjacent properties. As a result, no loss or conversion of forest lands to urban uses will result from the proposed project's implementation.
- E. The project would not result in a loss of farmland to nonagricultural use or conversion of forest land to non-forest use because the project site is not located in close proximity to farm land or forest land. As a result, no farmland conversion impacts will result from the implementation of the proposed project.

SOURCES

Blodgett Baylosis Environmental Planning. *Site Survey*. The survey was conducted on April 17, 2020.

California Department of Conservation, Division of Land Resource Protection, Farmland Mapping, and Monitoring Program. *Important Farmland in California 2010*.

California Department of Conservation. *State of California Williamson Act Contract Land*. <ftp://ftp.consrv.ca.gov/pub/dlrp/WA/2012>

California Department of Conservation. *State of California Williamson Act Contract Land*.

City of South Gate Municipal Code. *Title 11 – Zoning, Chapter 11.21 (Land Use Types)*, Table 11.21-3 Allowed Land Uses, Urban Mixed-Use Zones

AIR QUALITY

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|--|--------------------------------|--|------------------------------|-----------|
| a) Would the project conflict with or obstruct implementation of the applicable air quality plan? | | | X | |
| b) Would the project violate any air quality standard or contribute substantially to result in a cumulatively considerable net increase in an existing or projected air quality violation? | | | X | |
| c) Would the project expose sensitive receptors to substantial pollutant concentrations? | | | | X |
| d) Would the project result in substantial emissions (such as odors or dust) adversely affecting a substantial number of people? | | | | X |

Discussion of Findings

A. The project would involve the construction and occupancy of 78 residential apartment units. The project site is located on a vacant property that was formerly occupied by a steel fabrication facility that has been demolished. The proposed project site's applicable Zoning and General Plan land use designation of *Industrial Flex (IF) allows residential uses*. The project site is located within the South Coast Air Basin and is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). According to the SCAQMD, a project is non-conforming if it conflicts with or delays implementation of any applicable attainment or maintenance plan. A project is conforming if it complies with all applicable District rules and regulations, complies with all proposed control measures that are not yet adopted from the applicable plan(s), and is consistent with the growth forecasts in the applicable plan(s) (or is directly included in the applicable plan). Conformity with growth forecasts can be established by demonstrating that the project is consistent with the land use plan that was used to generate the growth forecast. The proposed project is consistent with the City of South Gate General Plan and Zoning Ordinance.

The proposed project's long-term (operational) airborne emissions will be below levels that the SCAQMD considers to be a significant impact (refer to the analysis included in Appendix B where the long-term stationary and mobile emissions for the proposed project are summarized in CalEEMod computer models. In addition, the project's construction emissions would be below the thresholds of significance established by the SCAQMD (the project's construction emissions are also summarized in Appendix B). As a result, the potential impacts are will be less than significant.

B. According to the SCAQMD, any project is significant if it triggers or exceeds the most appropriate evaluation criteria. The project's construction period is expected to last approximately 15 months and would include site preparation, grading, erection of the new mixed-use development, and the finishing of the project (e.g. painting, landscaping, paving of parking area). The analysis of daily construction and operational emissions was prepared utilizing the California Emissions Estimator Model (CalEEMod V. 2016.3.2). As shown in Table A-1, daily construction emissions will not exceed the SCAQMD significance thresholds.

APPENDIX A
 CATEGORICAL EXEMPTION • CITY OF SOUTH GATE
 LEGACY APARTMENTS • 10136 ADELLA AVENUE

Table A-1
Estimated Daily Construction Emissions

| Construction Phase | ROG | NO _x | CO | SO ₂ | PM ₁₀ | PM _{2.5} |
|-------------------------------------|--------------|-----------------|--------------|-----------------|------------------|-------------------|
| Demolition (on-site) | 1.99 | 19.69 | 14.49 | 0.02 | 1.04 | 0.97 |
| Demolition (off-site) | 0.05 | 0.03 | 0.48 | -- | 0.14 | 0.03 |
| Total Demolition | 2.04 | 19.72 | 14.97 | 0.02 | 1.18 | 1.00 |
| Site Preparation (on-site) | 1.54 | 18.28 | 10.74 | 0.02 | 0.74 | 0.65 |
| Site Preparation (off-site) | 0.03 | 0.02 | 0.30 | -- | 0.09 | 0.02 |
| Total Site Preparation | 1.57 | 18.30 | 11.04 | 0.02 | 0.83 | 0.67 |
| Grading (on-site) | 1.82 | 20.2 | 9.67 | 0.02 | 3.29 | 2.13 |
| Grading (off-site) | 0.04 | 0.02 | 0.37 | -- | 0.11 | 0.03 |
| Total Grading | 1.86 | 20.04 | 10.04 | 0.02 | 3.40 | 2.16 |
| Building Construction (on-site) | 2.04 | 16.02 | 14.56 | 0.02 | 0.81 | 0.78 |
| Building Construction (off-site) | 0.25 | 0.91 | 2.29 | -- | 0.68 | 0.18 |
| Total Building Construction | 2.29 | 16.93 | 16.85 | 0.02 | 1.49 | 0.96 |
| Paving (on-site) | 1.06 | 10.64 | 11.77 | 0.01 | 0.58 | 0.53 |
| Paving (off-site) | 0.06 | 0.04 | 0.56 | -- | -- | 0.04 |
| Total Paving | 1.12 | 10.68 | 12.33 | 0.01 | 0.58 | 0.57 |
| Architectural Coatings (on-site) | 13.98 | 1.52 | 1.81 | -- | 0.09 | 0.09 |
| Architectural Coatings (off-site) | 0.04 | 0.03 | 0.41 | -- | 0.12 | 0.03 |
| Total Architectural Coatings | 14.02 | 1.55 | 2.22 | -- | 0.21 | 0.12 |
| Maximum Daily Emissions | 16.33 | 27.63 | 29.19 | 0.05 | 3.40 | 2.16 |
| Daily Thresholds | 75 | 100 | 550 | 150 | 150 | 55 |

Source: CalEEMod V. 2016.3.2.

Long-term emissions refer to those air quality impacts that will occur once the proposed project has been constructed and is operational. These impacts will continue over the operational life of the project. The long-term air quality impacts associated with the proposed project include mobile emissions associated with vehicular traffic. The analysis of long-term operational impacts also used the CalEEMod V. 2016.3.2 computer model. Table A-2 depicts the estimated operational emissions generated by the proposed project.

Table A-2
Estimated Operational Emissions in lbs/day

| Emission Source | ROG | NO ₂ | CO | SO ₂ | PM ₁₀ | PM _{2.5} |
|-------------------------|--------------|-----------------|--------------|-----------------|------------------|-------------------|
| Area-wide (lbs/day) | 22.52 | 1.69 | 46.10 | 0.10 | 5.99 | 5.99 |
| Energy (lbs/day) | 0.03 | 0.32 | 0.13 | -- | 0.02 | 0.02 |
| Mobile (lbs/day) | 0.97 | 4.97 | 12.99 | 0.04 | 4.09 | 1.12 |
| Total (lbs/day) | 23.52 | 6.98 | 59.13 | 0.14 | 10.10 | 7.13 |
| Daily Thresholds | 55 | 55 | 550 | 150 | 150 | 55 |

Source: CalEEMod 2016.3.2.

As indicated in Table A-2, the projected long-term emissions are below thresholds considered to represent a significant adverse impact. Since the project area is located in a non-attainment area for Ozone and particulates, the contractors will be required to ensure that the grading and building contractors adhere to all pertinent provisions of SCAQMD Rule 403 pertaining to the generation of

fugitive dust during grading and/or the use of equipment on unpaved surfaces. The contractors will be responsible for being familiar with, and implementing any pertinent best available control measures. Therefore, less than significant impacts will occur.

- C. According to the SCAQMD, residences, schools, daycare centers, playgrounds, and medical facilities are considered sensitive receptor land uses. Sensitive receptors are shown in Exhibit A-1. Legacy Lane extends along the north side of the project site. Further north, on the north side of Legacy Lane, is a large vacant property that is part of the International Studies Learning Center Middle School (ISLCMS). This area is being used as athletic fields. Residential uses are located along the south side of the project site, to the south of the existing SCE easement. These existing homes have frontage on Aldrich Road. A portion of the ISLCMS property is located on the west side of this segment of Legacy Lane. Finally, smaller and older industrial uses are located to the west of the proposed project site. The current occupant is Right Way Express, Inc. (10111 Burtis Street). The Los Angeles River is located further west. The project would involve the construction and occupancy of 78 residential apartment units. The project site is located on a vacant property that was formerly occupied by a steel fabrication facility that has been demolished. The proposed project site's applicable Zoning and General Plan land use designation of *Industrial Flex (IF)*. The proposed project is a sensitive receptor. As a result, no impacts will occur.
- D. The proposed residential development will not generate any odors that would affect surrounding development. As a result, no impacts are anticipated.

SOURCES

Blodgett Baylosis Environmental Planning. *Site Survey*. The survey was conducted on April 17, 2020.

Blodgett Baylosis Environmental Planning. Calculation of Air Emissions (The computer model, California Emission Estimator Model Version 2016.3.1[CalEEMod], developed by the California Air Resources Board was used in the analysis). *Please Note: The computer work sheets are included in Appendix A.*

South Coast Air Quality Management District, *Final 2016 Air Quality Plan*, Adopted March 2017.

South Coast Air Quality Management District. *CEQA Air Quality Handbook*. April 1993 [as amended 2009]. Table 11-4.

South Coast Air Quality Management District. *AQMD Rules and Regulation Handbook*. Rule 1155 adopted December 4, 2009.

Southern California Association of Governments. *Growth Forecast. Regional Transportation Plan 2016- 2040*. Adopted on April 7, 2016.

United States Census Bureau. *State & County QuickFacts, South Gate (city), California*.

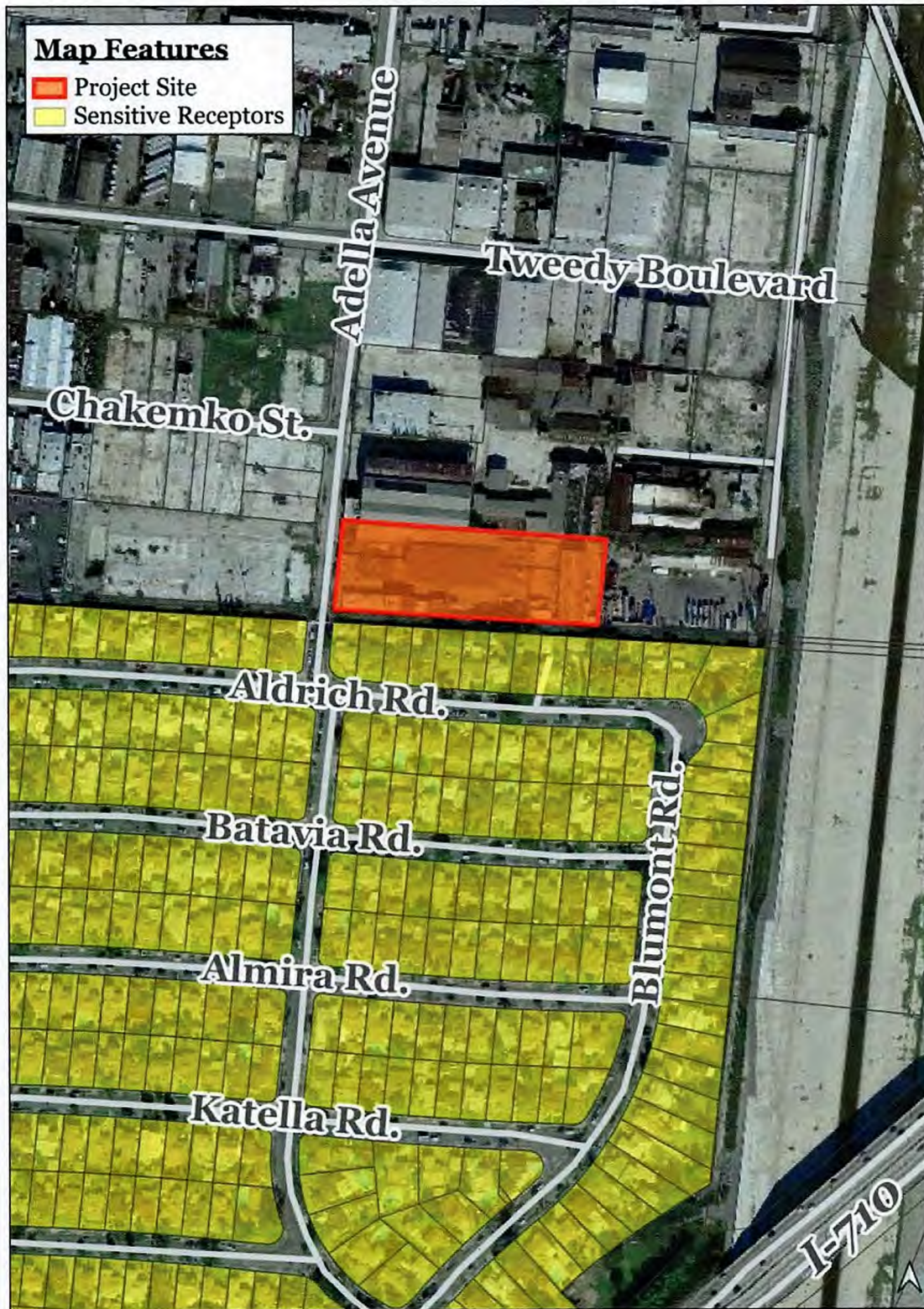


EXHIBIT A-1
SENSITIVE RECEPTORS
SOURCE: BLODGETT BAYLOSIS ENVIRONMENTAL PLANNING

BIOLOGICAL RESOURCES

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|---|--------------------------------|--|------------------------------|-----------|
| a) Would the project, either directly or through habitat modifications, have a substantial adverse effect on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U. S. Fish and Wildlife Service? | | | | X |
| b) Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural communities identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service? | | | | X |
| c) Would the project have a substantial adverse effect on State or Federally protected wetlands as defined (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means? | | | | X |
| d) Would the project interfere substantially with the movement of any native resident or migratory fish, wildlife species or with established native resident or migratory life corridors, or impede the use of native wildlife nursery sites? | | | | X |
| e) Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? | | | | X |
| f) Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plans? | | | | X |

Discussion of Findings

- A.** The project would involve the construction and occupancy of 78 residential apartment units. The project site is located on a vacant property that was formerly occupied by a steel fabrication facility that has been demolished. The proposed project site’s applicable Zoning and General Plan land use designation of *Industrial Flex (IF)*. Multifamily homes are a permitted use in the IF zoning district. Given the site’s disturbed character, the proposed project is not expected to have an impact on wildlife which may inhabit or traverse the adjacent developed properties. The site’s utility as a habitat is constrained by the presence of an adjacent roadways and the surrounding development that is present on-site and in the surrounding areas. As a result, no impacts are anticipated.
- B.** A review of the U.S. Fish and Wildlife Service National Wetlands Inventory, Wetlands Mapper confirmed that there are no wetlands or riparian habitat present within the project site. The nearest wetland to the project site is the Los Angeles River which is concrete lined and used for flood control.¹⁸ This conclusion is supported by the field survey of the proposed project site and the surrounding areas. In addition, there is no riparian habitat located on-site or in the surrounding areas. No off-site

¹⁸ U.S. Fish and Wildlife Service. National Wetlands Inventory – V2. <https://www.fws.gov/Wetlands/data/Mapper.html>. Website accessed May 2, 2020.

riverine areas will be affected by the proposed development since the project's construction will be limited to the project site. As a result, no impacts are anticipated.

- C. No sensitive habitats (e.g., wetlands, vernal pools, critical habitats for sensitive species, etc.) were observed on the site during the field investigations. While the site is currently undeveloped, it was formerly occupied by a metal fabrication plant. As a result, no impacts are anticipated.
- D. There are no areas of *natural* open space or areas of significant biological value within or adjacent to the proposed project site. Furthermore, the construction of the project will not require the removal or trimming of trees. There are no trees located within the proposed project site. In addition, there are no bodies of water located within the project site that could provide a habitat for migratory birds. Therefore, the proposed project will not infringe upon any bodies of water or habitats. The project site does not function as a migratory corridor for the movement of native or migratory animals. Constant disturbance (noise and vibration) from vehicles traveling on the adjacent roadways further limit the project site's utility as a migration corridor. The proposed project will not affect wildlife migration in the area or otherwise impede the use of native wildlife nursery sites. As a result, no impacts will occur.
- E. There are no sensitive habitats located onsite or with the adjacent properties. Although the proposed project site is currently vacant and undeveloped, the site was formerly occupied by a metal fabrication plant that has since been demolished. In addition, the surrounding area is highly urbanized. The site's utility as a species habitat is constrained by the presence of the adjacent roadways, the SCE transmission corridor and the surrounding development. As a result, no impacts would occur.
- F. The proposed project's implementation would not be in conflict with the provisions of any adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plans. As a result no impacts are anticipated.

SOURCES

Blodgett Baylois Environmental Planning. *Site Survey*. The survey was conducted on April 17, 2020.

Refer to Exhibit 6 included on Page 13. South Gate General Plan 2035. *Chapter 6 Green City, Conservation and Enhancement of Natural and Biological Resources*.

U.S. Fish and Wildlife Service. Wetlands Mapper. <http://www.fws.gov/wetlands/data/mapper.HTML>.

CULTURAL RESOURCES

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|--|--------------------------------|--|------------------------------|-----------|
| a) Would the project cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5 of the CEQA Guidelines? | | | | X |
| b) Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5 of the CEQA Guidelines? | | | | X |
| c) Would the project disturb any human remains, including those interred outside of dedicated cemeteries? | | | | X |

Discussion of Findings

- A.** The project would involve the construction and occupancy of 78 residential apartment units. The project site is located on a vacant property that was formerly occupied by a steel fabrication facility that has been demolished. The proposed project site's applicable Zoning and General Plan land use designation of *Industrial Flex (IF)*. Historic structures and sites are defined by local, State, and Federal criteria. The State, through the State Historic Preservation Office (SHPO), maintains an inventory of those sites and structures that are historically significant. Finally, the U.S. Department of Interior has established specific Federal guidelines and criteria that indicate the manner in which a site, structure, or district is to be defined as having historic significance and in the determination of its eligibility for listing on the National Register of Historic Places.¹⁹ The State regulations that govern historic resources and structures include Public Resources Code (PRC) Section 5024.1 and CEQA Guidelines Sections 15064.5(a) and 15064.5(b). In addition, California law protects Native American burials, skeletal remains, and associated grave goods regardless of the antiquity and provides for the sensitive treatment and disposition of those remains. CEQA, as codified at PRC Sections 21000 et seq., is the principal statute governing the environmental review of projects in the State. The proposed project site is presently vacant and undeveloped. The site is not present on any local historic list or the list of historic resources identified by the State Office of Historic Preservation (SHPO).²⁰ Since the project's implementation will not impact any Federal, State, or locally designated historic resources, no impacts will occur.
- B.** Although the proposed project site is currently vacant and undeveloped, the surrounding area is urbanized. The site was formerly occupied by an industrial use (a metal fabrication facility) that has been demolished. No significant impacts related to archaeological or historical resources is anticipated and no further investigations are recommended for the proposed project site. As a result, no impacts will occur.

¹⁹ U.S. Department of the Interior, National Park Service. *National Register of Historic Places*. <http://nrhp.focus.nps.gov>. 2020.

²⁰ California Department of Parks and Recreation. *California Historical Resources*. Website <http://ohp.parks.ca.gov/ListedResources>. Website accessed on May 15, 2020.

APPENDIX A
CATEGORICAL EXEMPTION • CITY OF SOUTH GATE
LEGACY APARTMENTS • 10136 ADELLA AVENUE

- C. There are no dedicated cemeteries located within the vicinity of the project site. No new construction will occur. Since no grading will occur, no impacts are anticipated.

SOURCES

Blodgett Baylosis Environmental Planning. *Site Survey*. The survey was conducted on April 17, 2020.

California Department of Parks and Recreation. *California Historical Resources*. <http://ohp.parks.ca.gov/ListedResources>.

McCawley. *The First Angelinos, The Gabrieleño Indians of Los Angeles County*. 1996.

Google Earth. Site accessed April 17, 2020.

ENERGY

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|---|--------------------------------|--|------------------------------|-----------|
| a) Would the project result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy, or wasteful use of energy, resources, during project construction or operation? | | | X | |
| b) Would the project conflict with or obstruct a State or local plan for renewable energy or energy efficiency? | | | X | |

Discussion of Findings

- A.** The project would involve the construction and occupancy of 78 residential apartment units. The project site is located on a vacant property that was formerly occupied by a steel fabrication facility that has been demolished. The proposed project site’s applicable Zoning and General Plan land use designation of *Industrial Flex (IF)*. The proposed project is anticipated to consume 1,540 kWh of electricity and 1,330 cubic feet of natural gas on a daily basis. The project Applicant will work with the local electrical utility company to identify existing and future strategies that will be effective in reducing energy consumption. With this standard condition, the impact will be less than significant.
- B.** The California Code of Regulations (CCR) Title 24, Part 11: California Green Building Standards (Title 24) became effective to aid efforts to reduce GHG emissions associated with energy consumption. Title 24 now requires that new buildings reduce water consumption, employ design measures to increase building system efficiencies, divert construction waste from landfills, and install low pollutant-emitting finish materials. The 2016 version of the standards became effective as of January 1, 2017. The new tenant improvements, including the electrical upgrades, will conform to all state and local building code and lighting regulations. As a result, the potential impacts will be less than significant.

SOURCES

Energy Commission, GIS Open Source Data. California Electric Infrastructure App. Website accessed April 14, 2020. <https://cecgis-caenergy.opendata.arcgis.com/app>

GEOLOGY & SOILS

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|--|--------------------------------|--|------------------------------|-----------|
| a) Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving rupture of a known earthquake fault, strong seismic ground shaking, seismic-related ground failure, including liquefaction, or landslides? | | | X | |
| b) Would the project result in substantial soil erosion or the loss of topsoil? | | | X | |
| c) Would the project be located on a soil or geologic unit that is unstable, or that would become unstable as a result of the project, and potentially result in on-site or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse? | | | X | |
| d) Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (2012) creating substantial direct or indirect risks to life or property? | | | | X |
| e) Would the project be located on soils that are incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater? | | | | X |
| f) Would the project directly or indirectly destroy a unique paleontological resource or site or unique geological feature? | | | | X |

Discussion of Findings

A. The City of South Gate is located in a seismically active region. Earthquakes from several active and potentially active faults in the Southern California region could affect the proposed project site. In 1972, the Alquist-Priolo Earthquake Zoning Act was passed in response to the damage sustained in the 1971 San Fernando Earthquake. The Alquist-Priolo Earthquake Fault Zoning Act's main purpose is to prevent the construction of buildings used for human occupancy on the surface trace of active faults. A list of cities and counties subject to the Alquist-Priolo Earthquake Fault Zones is available on the State's Department of Conservation website. The City of South Gate is not on the list. According to the California Department of Conservation, the City of South Gate is not located within an Alquist-Priolo Fault Zone. Even though the City is not on the list, there are known faults within proximity to the City. The biggest threat to both the City and the project site is the Newport Inglewood Fault, located approximately five miles southwest of the City. Other nearby significant faults include the Whittier and Palos Verdes faults. The potential impacts related to ground shaking and fault rupture are less than significant since the risk is no greater in and around the project site than for the rest of the area. The project site is located in an area that is at an elevated risk for liquefaction. According to the United States Geological Survey, liquefaction is the process by which water-saturated sediment temporarily loses strength and acts as a fluid. Essentially, liquefaction is the process by which the ground soil loses strength due to an increase in water pressure following seismic activity. The risk of liquefaction is no greater for the project site than the rest of the area. In addition, compliance with

the most recent State and Local building codes will minimize potential impacts related to liquefaction. Lastly, the project site is not at risk for landslides and is at no greater risk for ground shaking, fault rupture, and liquefaction than the rest of the area. In addition, the proposed project would not include any subterranean parking. All of the parking would consist of surface parking which will further reduce the potential risk. Therefore, the impacts are expected to be less than significant. According to the United States Geological Survey, liquefaction is the process by which water-saturated sediment temporarily loses strength and acts as a fluid. The risk for liquefaction is no greater on-site than it is for the region. As a result, the potential impacts in regard to liquefaction and landslides are less than significant.

- B.** According to the soil mapping data prepared by the University of California, Davis, the project site is underlain with soils belonging to the *Urban Land-Huenene, drained-San Emigdio complex (0 – 2% slope)*. “Urban land” refers to soils that are and mostly covered by streets, parking lots, buildings, and other structures of urban areas. The Hueneme-San Emigdio group are generally alluvial soils resulting from stream deposition. In general, these soils are somewhat poorly drained. Soils belonging to this soils association have a moderate to high wind erosion risk, although construction activities (paving and the installation of lights and fencing) and the placement of “permanent vegetative cover” will reduce the soil’s erosion risk. These soils are described as being used almost exclusively for urban development, as evident by the current level of development present within the surrounding areas.²¹ As a result, the potential impacts are considered to be less than significant.
- C.** The site’s development will not result in soil erosion since the project’s contractors must implement the construction best management practices (BMPs) identified in the mandatory SWPPP. The BMPs will minimize soil erosion and the discharge of sediment off-site. Additionally, the project site is level and is not located within an area that could be subject to landslides or liquefaction. As a result, the potential impacts are will be less than significant.
- D.** The soils that underlie the project site are not prone to shrinking and swelling. Shrinking and swelling is influenced by the amount of clay present in the underlying soils. Soils with higher clay composition will be more prone to shrinking and swelling. According to the U.C. Davis Soils Web, clay is not present in the composition of *Urban Land-Huenene, drained-San Emigdio complex (0 – 2% slope)*. As a result, no impacts related to expansive soils are anticipated.
- E.** No septic tanks will be used as part of the proposed project implementation. The proposed project will connect to the City’s sanitary sewer system. As a result, no impacts associated with the use of septic tanks will occur as part of the proposed project’s implementation.
- F.** The surface deposits in the proposed project area are composed entirely of younger Quaternary Alluvium because of the Los Angeles River. This younger Quaternary Alluvium is unlikely to contain significant vertebrate fossils, at least in the uppermost layers. The very limited and shallow excavations associated with the proposed project’s construction, are not likely to uncover significant vertebrate fossil remains. As a result, no impacts will occur.

²¹ U. C. Davis <https://casoilresource.lawr.ucdavis.edu/gmap/>. Website accessed on July 7, 2020.

APPENDIX A
CATEGORICAL EXEMPTION • CITY OF SOUTH GATE
LEGACY APARTMENTS • 10136 ADELLA AVENUE

SOURCES

California Department of Conservation. Table 4, Cities and Counties Affected by Alquist-Priolo Earthquake Fault Zones as of January 2010.

Subsidence Support. *What Causes House Subsidence?*
<http://www.subsidencesupport.co.uk/what-causes-subsidence.html>

Natural Resources Conservation Service Arizona.
Soil Properties Shrink /Swell Potential. <http://www.nrcs.usda.gov>

United States Department of Agriculture, Soil Conservation Service. *Report and General Soil Map, Los Angeles County, California.* Revised 1969.

GREENHOUSE GAS EMISSIONS

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|---|--------------------------------|--|------------------------------|-----------|
| a) Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? | | | X | |
| b) Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing emissions of greenhouse gases? | | | X | |

Discussion of Findings

A. The project would involve the construction and occupancy of 78 residential apartment units. Greenhouse gas (GHG) emissions, or gases that trap heat in the atmosphere, are emitted by both natural processes and human activities. Examples of GHG include carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). Carbon dioxide equivalent, or CO₂E, is a term that is used for describing different greenhouse gases in a common and collective unit. These emissions were calculated using the computer model CalEEMod V.2016.3.1. The SCAQMD has recommended several GHG thresholds of significance. These thresholds include 1,400 metric tons of CO₂E (MTCO₂E) per year for commercial projects, 3,500 MTCO₂E per year for residential projects, 3,000 MTCO₂E per year for mixed-use projects, and 10,000 MTCO₂E per year for industrial projects. Table A-3 summarizes annual greenhouse gas (CO₂E) emissions from build-out of the proposed project.²² Carbon dioxide equivalent, or CO₂E, is a term that is used for describing different greenhouse gases in a common and collective unit. As indicated in Table A-3, the operational emissions total CO₂E for the project is 7,665.92 pounds per day or 3.06 MTCO₂E per day which is below the threshold for residential projects (refer to Table A-3 and Appendix B).

**Table A-3
 Greenhouse Gas Emissions Inventory**

| Source | GHG Emissions (Lbs/Day) | | | |
|---------------------------------------|-------------------------|-----------------|------------------|-------------------|
| | CO ₂ | CH ₄ | N ₂ O | CO ₂ E |
| Construction Phase - Demolition | 2,322.71 | 0.59 | -- | 2,337.56 |
| Construction Phase - Site Preparation | 2,372.88 | 0.76 | -- | 2,392.06 |
| Construction Phase - Grading | 1,995.61 | 0.64 | -- | 2,011.74 |
| Construction Phase - Construction | 2,228.93 | 0.45 | -- | 2,300.19 |
| Construction Phase - Paving | 1,709.11 | 0.54 | -- | 1,722.65 |
| Construction Phase - Coatings | 281.44 | 0.01 | -- | 281.93 |
| Long-term Area Emissions | 2,146.20 | 2.19 | 0.04 | 2,215.73 |
| Long-term Energy Emissions | 410.79 | -- | -- | 413.23 |
| Long-term Mobile Emissions | 5,031.18 | 0.23 | -- | 5,036.96 |
| Total Long-term Emissions | 7,588.17 | 2.42 | 0.04 | 7,665.92 |

Source: CalEEMod V.2016.3.2.

²² The CalEEMod Air Quality Worksheets are provided in Appendix B.

This figure (3.06 MTCO₂E) does not take into account the implementation of Low Impact Development (LID) requirements (drought tolerant landscaping, water efficient appliances, and energy efficient appliances) and compliance to Transportation Demand Management (TDM) requirements. As indicated in the table, the great majority of the GHG emissions will be generated from mobile sources. For this reason, the project's use of trip reduction incentives (the use of alternative forms of transportation, the installation of electric vehicle charging stations and bicycle racks, and other TDM measures will be important). The project is also an infill development within an urban area. Therefore, the project's GHG impacts are less than significant.

- B.** The South Gate General Plan established objectives, policies and implementation actions to reduce greenhouse gases by encouraging the use of alternative energy sources, reducing vehicle miles traveled, conserving parks/open space, developing public education programs emphasizing green building practices and promoting innovative approaches to reduce harmful impacts to the atmosphere. The implementation of the proposed project will not conflict with the policies outlined in the Green City Element of the General Plan. The project will involve the reuse of an existing urban property and “infill development” is seen as an important strategy in reducing regional GHG emissions. The potential impacts are less than significant given the project's minor GHG emissions and its conformity with state and local goals of promoting infill development. Therefore, the potential impacts are considered to be less than significant.

SOURCES

Blodgett Baylois Environmental Planning. Calculation of Air Emissions (The computer model, California Emission Estimator Model Version 2016.3.1. [CalEEMod], developed by the California Air Resources Board was used in the analysis).

California, State of. OPR Technical Advisory – *CEQA and Climate Change: Addressing Climate Change through the California Environmental Quality Act (CEQA) Review*. June 19, 2008.

HAZARDS & HAZARDOUS MATERIALS

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|---|--------------------------------|--|------------------------------|-----------|
| a) Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials? | | | | X |
| b) Would the project create a significant hazard to the public or the environment or result in reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? | | | | X |
| c) Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances or waste within one-quarter mile of an existing or proposed school? | | | | X |
| d) Would the project be located on a site which is included on a list of hazardous material sites compiled pursuant to Government Code §65962.5, and as a result, would it create a significant hazard to the public or the environment? | | | | X |
| e) For a project located within an airport land use plan, or where such a plan has not been adopted, within two miles of a public airport or a public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area? | | | | X |
| f) Would the project impair implementation of, or physically interfere with an adopted emergency response plan or emergency evacuation plan? | | | | X |
| g) Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires? | | | X | |

Discussion of Findings

- A.** The project would involve the construction and occupancy of 78 residential apartment units. Given the residential nature of the proposed development, the use of any hazardous materials will be limited to those that are commercially available and typically used for routine cleaning and maintenance. The project will not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. As a result, no impacts will result.

The project site is located on a vacant property that was formerly occupied by a steel fabrication facility that has been demolished. The proposed project site's applicable Zoning and General Plan land use designation of *Industrial Flex (IF)*. A Phase I Environmental Site Assessment (ESA) for the project site has been prepared and is dated January 18, 2019. The results of the investigation indicated that the site historically consisted of vacant land that was partially occupied by a horse track in the 1930s and 1940's. Between the 1950's and early 2000's, the site has been occupied by an industrial steel-fabrication facility. Industrial operations at the facility included steel cutting, welding, punching, and painting. Underground storage tanks (USTs) containing gasoline were removed from the Site in 1991. The Site was not in operation at the time of the Phase I ESA.

APPENDIX A
CATEGORICAL EXEMPTION • CITY OF SOUTH GATE
LEGACY APARTMENTS • 10136 ADELLA AVENUE

Historic Site operations have included an industrial steel-fabrication facility that performed steel cutting, welding, punching and painting operations from the 1950s through the early 2000s. Hazardous materials have historically been stored, generated, and handled at the site and have included oils and other petroleum products, solvents, and gasoline stored in USTs. Environmental investigations previously performed at the Site in the 1990s related to the removal and closure of the gasoline USTs and other operations have indicated the presence of residual petroleum hydrocarbon contamination in soil and elevated levels of lead in soil at the site. However, environmental investigations have not been conducted in other areas of the site including the waste oil storage area, the former maintenance area, and areas with spills observed during the site reconnaissance. Long-term operation of the site as a steel-fabrication facility is a land use reasonably associated with the potential release of lead, petroleum and other volatile contaminants and/or other hazardous materials.

Two former USTs used for the storage of gasoline, one 10,000-gallon and one 2,000-gallon, were removed from the site in 1991. Approximately 330.5 cubic yards of impacted soil were excavated and removed from the Site at that time. Based on environmental investigations conducted between 1992 and 1995 to determine the extent of impacts to soil and groundwater related to releases from the USTs consultants concluded that hydrocarbon-impacted soils had been largely removed and that groundwater contaminant concentrations appeared to be diminishing. Regulatory closure was provided by the Regional Water Quality Control Board – Los Angeles Region (RWQCB) on September 6, 1996 based on these findings. The Phase I ESA also identified the possibility that asbestos containing materials (ACMs) and lead based paints (LBP) are potentially present in building materials within the structures due to the age of the structures. Based on the results of the Phase I ESA performed by Northgate dated January 18, 2019, Northgate recommended that a Phase II ESA be performed to update and further define the current extent of soil, soil vapor, and groundwater impacts related to the historic industrial steel-fabrication operations at the site.

Based on the results of the concrete samples, approximately 194 tons of concrete was removed from the site and transported to Peck Road and Gravel in Monrovia, California. The balance of the concrete was crushed on site for reuse. The elevated concentrations of lead and cobalt were detected across portions of the property are likely due to former use as a steel fabrication facility. Based on the results of the investigation, it is estimated that approximately 5,100 cubic yards of lead-impacted soil are present at the site. The lead impacts were primarily located in the surface soils to depths of approximately 1.5 feet below the ground surface (bgs) although deeper impacts were noted in isolated areas (Table 5 and Figures 6 and 7). At approximately 3 feet bgs, lead impacted soils exceeded the residential screening criteria in three areas: in the vicinity of the historic steel fabrication areas in the central portion of the site, in the former work shop area located along the southern border of the site, and by the southern portion of the former shop building. At approximately 5 feet below the ground surface (bgs), lead impacted soil exceeded the residential screening levels in the vicinity of the historic steel fabrication areas in the central portion of the site and east of the former USTs along the southern border of the site. Concentrations of lead increased with depth however, borings advanced in this area were met with refusal indicating the potential presence of a subgrade structure. The results of the soluble threshold limit concentration (STLC), toxicity characteristic leaching procedures (TCLP), and total threshold limit concentration (TTLC) analyses were used to estimate the volumes of lead impacted soil within the classifications of hazardous waste for disposal during future redevelopment activities at the site. Approximately 3,900 cubic yards of lead-impacted soil is classified as California (non-RCRA) hazardous waste and approximately 1,000 cubic yards of soil is classified as RCRA-hazardous waste. The remaining approximately 200 cubic yards is classified as non-hazardous waste.

There were several fuel-related volatile organic chemicals (VOCs) detected in soil vapor near the former hazardous waste storage area next to Adella Avenue and along the southern property near the SCE easement associated with former USTs and shop/storage areas. However, all concentrations were low and well below current screening levels. PCE was detected beneath the solvent storage area, the former UST area, the former workshop area, and the hazardous materials storage area. PCE concentrations were relatively low and below current screening levels. However, the screening levels are currently being revised to lower values. It is anticipated that PCE concentrations beneath the solvent storage area, the former workshop area, and the hazardous materials storage area will exceed the new proposed levels scheduled to be published prior to the end of 2019. Based on the results of the Phase II ESA, a State-certified regulatory agency was recommended to review the Phase II ESA reporting, provide comments, and work jointly towards a remedial approach, the development of a remedial plan, and regulatory closure of the site. Given the relatively straight-forward approach to remediation of the site (excavation and removal of impacted soil) the environmental consultant (Northgate) recommended that the Los Angeles County Fire Department – Site Mitigation Unit (SMU) as an appropriate oversight agency. Northgate has approached the SMU and the Site has been put on a waiting list for oversight. In the interim, Northgate recommended the following:

- Conduct a backhoe excavation in the vicinity HA8 where lead is present at depth and boring refusal was encountered to determine what structure is below the surface and the vertical extent of lead in this area;
- Work with Kemp. Bros to better understand the proposed development configuration and how that will dovetail with remedial activities;
- Develop risk-based clean-up goals (for worker and groundwater protection) for lead that may be left in place that exceeds residential SLs; and
- Prepare remedial planning documents in conformance with SMUs corrective action guidance.

B. The *Cortese List*, also referred to as the Hazardous Waste and Substances Sites List or the California Superfund List, is a planning document used by the State and other local agencies to comply with CEQA requirements that require the provision of information regarding the location of hazardous materials release sites. California Government Code section 65962.5 requires the California Environmental Protection Agency to develop and update the Cortese List on annually basis. A search of the Hazardous Waste and Substances Site List website was completed to identify whether the Planning Area is listed in the database as a Cortese site. The project site is not included on a hazardous sites list compiled pursuant to California Government Code Section 65962.5. Five Cortese sites are located in the City including the following:

- Firestone Parcel 1B (2525 E. Firestone Boulevard);
- Firestone Parcel 3N (8809 Calden Avenue);
- Firestone Parcel 3S (2405 Southern Avenue);
- Los Angeles Chemical Company (4545 Ardine Street); and,
- Firestone Engle Southern Parcel (8440 Alameda Street).

The construction and subsequent occupancy of the proposed residential development implementation would not create a significant hazard to the public or the environment or result in reasonably

APPENDIX A
CATEGORICAL EXEMPTION • CITY OF SOUTH GATE
LEGACY APARTMENTS • 10136 ADELLA AVENUE

foreseeable upset and accident conditions involving the release of hazardous materials into the environment. As a result, no impacts will result.

- C. The International Studies Learning Center Middle School (ISLCMS). This area is currently being used as athletic fields. Residential uses are located south of the project site. These existing homes have frontage on Aldrich Road. A portion of the ISLCMS property is located on the west side of this segment of Legacy Lane. The Legacy Apartments are a residential use and will not create a hazard to any local school. The hazardous chemicals that will be used correspond to those that would be commonly used in a household setting and used for routine maintenance and cleaning. As a result, no impacts are anticipated.
- D. The *Cortese List*, also referred to as the Hazardous Waste and Substances Sites List or the California Superfund List, is a planning document used by the State and other local agencies to comply with CEQA requirements that require the provision of information regarding the location of hazardous materials release sites. A search was conducted through the California Department of Toxic Substances Control Envirostor website to identify whether the project site is listed in the database as a Cortese site. The project site is not identified as a Cortese site. Therefore, no impacts will occur.
- E. The project site is not located within an airport land use plan and is not located within two miles of a public airport or public use airport. The nearest airport to the site is the Compton-Woodley Airport located approximately 5.1 miles southwest of the project site. The project will not introduce a structure that will interfere with the approach and take off of airplanes utilizing any regional airports. As a result, the proposed project will not result in a safety hazard for people residing or working in the City and no impacts will occur.
- F. At no time will any adjacent streets be completely closed to traffic. As a result, no impacts are associated with the proposed project's implementation.
- G. The project site is not located within a "very high fire hazard severity zone." As a result, no impacts will result.

SOURCES

Blodgett Baylosis Environmental Planning. *Site Survey*. The survey was conducted on April 17, 2020.

United States Environmental Protection Agency. *Envirofacts Database, Multisystem Search*.
www.epa.gov/envirofw/

California, State of, Department of Toxic Substances Control, *DTSC's Hazardous Waste and Substances Site List - Site Cleanup Cortese List*, 2020.

Google Earth. Website accessed April 17, 2020.

CalEPA. *Cortese List Data Resources*. <http://www.calepa.ca.gov/sitecleanup/corteselist/>

HYDROLOGY & WATER QUALITY

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|---|--------------------------------|--|------------------------------|-----------|
| a) Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality? | | | X | |
| b) Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin? | | | | X |
| c) Would the project substantially alter the existing drainage pattern of the site or area, including the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would result in substantial erosion or siltation on- or off-site, substantially increase the rate or amount of surface runoff in a manner in which would result in flooding on- or off-site, create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff, or impede or redirect flood flows? | | | | X |
| d) Would the project, in flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation? | | | X | |
| e) Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan? | | | | X |

Discussion of Findings

A. The project would involve the construction and occupancy of 78 residential apartment units. The project site is located on a vacant property that was formerly occupied by a steel fabrication facility that has been demolished. The proposed project site's applicable Zoning and General Plan land use designation of *Industrial Flex (IF)*. Title 6 – Health and Sanitation, Chapter 6.67 – Storm Drains of the City of South Gate Municipal Code regulates the discharge of stormwater within the City. According to the aforementioned chapter, the project Applicant shall submit a low impact development (LID) plan to the department of community development prior to the submittal of an application for the first planning or building approval for a new planning priority project development project. The LID plan shall include measures designed to control pollutants, pollutant loads, and runoff volume to the maximum extent feasible by minimizing impervious surface area and controlling runoff from impervious surfaces through infiltration, evapotranspiration, bio-retention and/or rainfall harvest and use. The project applicant shall prepare a LID plan which implements set LID standards and practices for stormwater pollution mitigation and provides documentation to demonstrate compliance with the municipal NPDES permit on the plans and permit application submitted to the City. The existing surface pavement will be removed to accommodate the proposed project, thereby exposing barren earth and soil. Adherence to the construction BMPs identified in the Low Impact Development (LID) will reduce potential construction related impacts to levels that are less than significant. The implementation of the proposed project will not result in a violation in water quality

standards or discharge requirements because the project Applicant will be required to implement the construction and operational Best Management Practices (BMPs) identified in the mandatory LID plan. As a result, the potential impacts are considered to be less than significant.

- B.** The project site is located within the Central Basin Pressure Area of the Central Groundwater Basin. The area is overlain by the Downey Plain and gently slopes to the south. The following description of the geology and hydrogeology is based on Bulletin 104 by the Department of Water Resources. Regionally, the geology of the Central Basin Pressure Area from youngest to oldest consists of the Recent Alluvium, the Lakewood Formation and the San Pedro Formation. The Recent Alluvium is present over most of the Central Basin Pressure Area and includes the Semi Perched Aquifer, Bellflower Aquiclude, and the Gaspar Aquifer. The Lakewood Formation is present throughout the Central Basin Pressure Area and contains part of the Bellflower Aquiclude and the Artesia, Exposition, Gage and Gardena Aquifers. The San Pedro Formation is encountered throughout the Central Basin Pressure Area and includes the Hollydale, Jefferson, Lynwood, Silverado, and Sunnyside Aquifers. Locally, the upper Site hydrogeology from shallowest to deepest consists of the Semi Perched Aquifer, the Bellflower Aquiclude, and the Exposition Aquifer. The Exposition Aquifer ranges from approximately 80 to 100 feet beneath the site. Groundwater was encountered at a depth of approximately 35 feet bgs during an on-Site investigation. Native soil consisted of fine sands and silts above the water table and alternating layers of silty fine-grained, silt, and fine-grained sand in the saturated zone. No new direct construction-related impacts to groundwater supplies, or groundwater recharge activities would occur. Furthermore, the construction and post-construction BMPs will address contaminants of concern from excess runoff, thereby preventing the contamination of local groundwater. As a result, no impacts will occur.
- C.** The project's construction will be restricted to the designated project site and the project will not alter the course of any stream or river that would lead to on- or off-site siltation or erosion. No additional undisturbed land will be affected. As a result, no impacts will result.
- D.** According to the Federal Emergency Management Agency (FEMA) flood insurance maps obtained for the City of South Gate, the proposed project site is located in Zone X. Properties in Zone X are by definition outside the 500-year flood zone and protected by levees from 100- year. The project is not in an area subject to flood hazard. The proposed project site is not located in an area that is subject to inundation by seiche or tsunami.²³ In addition, the project site is located inland approximately 15 miles from the Pacific Ocean and the project site would not be exposed to the effects of a tsunami. As a result, the potential impacts will be less than significant.
- E.** Once constructed, the project will not introduce polluted runoff into the existing storm drain system. In addition, the project will not create excess runoff that will exceed the capacity of the existing storm water drainage system. The project contractors will be required to implement operational BMPs identified in the mandatory LID plan. These operational BMPs will reduce the amount of stormwater runoff discharged into the streets. Furthermore, the contractors must adhere to the construction BMPs identified in the mandatory LID plan. Implementation of the previously mentioned BMPs will reduce potential impacts to levels that are less than significant.

²³ A seiche is a standing wave in an enclosed or partially enclosed body of water such as a bay, lake or reservoir. A seiche is most often caused by seismic activity or strong winds.

APPENDIX A
CATEGORICAL EXEMPTION • CITY OF SOUTH GATE
LEGACY APARTMENTS • 10136 ADELLA AVENUE

SOURCES

Blodgett Baylosis Environmental Planning. *Site Survey*. The survey was conducted on April 17, 2020
Federal Emergency Management Agency. Intranetix Viewer. <http://map1.msc.fema.gov>.
United States Army Corps of Engineers, Los Angeles District. Dam Safety Program.
<http://www.spl.usace.army.mil/Media/FactSheets/tabid/1321/Article/477349/dam-safety-program.aspx>.

FEMA. *Flood Zones, Definition/Description*. <http://www.fema.gov/floodplain-management/flood-zones>

City of Paramount. *Final Environmental Impact Report [for the] City of Paramount General Plan Update*. August 2007. The authors of this initial study compiled this information as part of the City's General Plan Update. Paramount is located south and adjacent to South Gate.

LAND USE & PLANNING

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|--|--------------------------------|--|------------------------------|-----------|
| a) Would the project physically divide an established community? | | | | X |
| b) Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect? | | | | X |

Discussion of Findings

- A.** The project would involve the construction and occupancy of 78 residential apartment units. The project site is located on a vacant property that was formerly occupied by a steel fabrication facility that has been demolished. The proposed project site’s applicable Zoning and General Plan land use designation of *Industrial Flex (IF)* which allow multi-family residences as a permitted use. The applicable land use designations are shown in Exhibit A-2. Legacy Lane extends along the north side of the project site. Further north, on the north side of Legacy Lane, is a large vacant property that is part of the International Studies Learning Center Middle School (ISLCMS). This area is being used as athletic fields. Residential uses are located along the south side of the project site. These existing homes have frontage on Aldrich Road. A portion of the ISLCMS property is located on the west side of this segment of Legacy Lane. Finally, smaller and older industrial uses are located to the west of the proposed project site. This issue is specifically concerned with the expansion of an inconsistent land use into an established neighborhood. The proposed project will be confined within the project site’s boundaries. The granting of the requested entitlements will not result in any expansion of the use beyond the current boundaries. As a result, the project will not lead to any division of an existing established neighborhood and no impacts will occur.
- B.** The proposed use is permitted by right within the proposed project site. No zone change or general plan amendment will be required to implement the proposed project. As a result, no impacts will occur.

SOURCES

Blodgett Baylosis Environmental Planning. *Site Survey*. The survey was conducted on April 17, 2020.

City of South Gate Municipal Code. Chapter 11.21. Website accessed April 17, 2020.

APPENDIX A
 CATEGORICAL EXEMPTION • CITY OF SOUTH GATE
 LEGACY APARTMENTS • 10136 ADELLA AVENUE



EXHIBIT A-2
TWEEDY BLVD. SPECIFIC PLAN LAND USE DESIGNATIONS
 SOURCE: BLODGETT BAYLOSIS ENVIRONMENTAL PLANNING

MINERAL RESOURCES

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|--|--------------------------------|--|------------------------------|-----------|
| a) Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the State? | | | | X |
| b) Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan? | | | | X |

Discussion of Findings

- A.** The project site is not located in a Significant Mineral Aggregate Resource Area (SMARA) nor is it located in an area with active mineral extraction activities. A review of California Division of Oil, Gas, and Geothermal Resources well finder indicates that there are no wells located within the project site. As indicated previously, the site is vacant though it was previously occupied by a metal fabrication facility. In addition, there are no active mineral extraction activities occurring on-site or on adjacent properties. As a result, no impacts to mineral resources will occur.

- B.** As previously mentioned, no mineral, oil, or energy extraction and/or generation activities are located within the project site. Moreover, the proposed project will not interfere with any resource extraction activity. Therefore, no impacts will result from the implementation of the proposed project.

SOURCES

Blodgett Baylosis Environmental Planning. *Site Survey*. The survey was conducted on April 17, 2020.

California, State of. Department of Conservation. *California Oil, Gas, and Geothermal Resources Well Finder*. <http://maps.conservation.ca.gov/doggr/#close>

California Department of Conservation. *San Gabriel Valley P-C Region Showing*

NOISE

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|---|--------------------------------|--|------------------------------|-----------|
| a) Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? | | | X | |
| b) Would the project result in generation of excessive ground-borne vibration or ground-borne noise levels? | | | X | |

Discussion of Findings

- A.** The project would involve the construction and occupancy of 78 residential apartment units. The project site is located on a vacant property that was formerly occupied by a steel fabrication facility that has been demolished. The proposed project site's applicable Zoning and General Plan land use designation of *Industrial Flex (IF)*. The proposed residential land use is a noise sensitive land use. Legacy Lane extends along the north side of the project site. Further north, on the north side of Legacy Lane, is a large vacant property that is part of the International Studies Learning Center Middle School (ISLCMS). This area is being used as athletic fields. Residential uses are located along the south of the SCE transmission corridor that abuts the south boundary of the project site. These existing homes have frontage on Aldrich Road. A portion of the ISLCMS property is located on the west side of this segment of Legacy Lane. Because of the proposed project's residential character, the proposed project will not expose sensitive receptors to excessive noise levels. As a result, the potential impacts are less than significant.
- B.** Ground vibrations associated with construction activities using modern construction methods and equipment rarely reach the levels that result in damage to nearby buildings though vibration related to construction activities may be discernible in areas located near the construction site. Compliance with the City's noise control requirements will minimize any potential noise impacts to levels considered to be less than significant. In addition, the number of trips that will be generated by the proposed project will not be enough to result in a doubling of traffic volumes. A doubling of traffic volumes usually results in an increase of 3-5 dBA. As a result, the potential impacts would be less than significant.

SOURCES

Bugliarello, et. al., *The Impact of Noise Pollution*, Chapter 127, 1975.

Blodgett Baylosis Environmental Planning. *Site Survey*. The survey was conducted on April 17, 2020.

POPULATION & HOUSING

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|---|--------------------------------|--|------------------------------|-----------|
| a) Would the project induce substantial unplanned population growth in an area, either directly or indirectly? | | | | X |
| b) Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere? | | | | X |

Discussion of Findings

A. The project would involve the construction and occupancy of 78 residential apartment units. The project site is located on a vacant property that was formerly occupied by a steel fabrication facility that has been demolished. Assuming an average household size of 4.15 persons per unit, the proposed project would potentially result in 324 new residents. This is likely a high number given the majority of the units will consist of one and two-bedroom units. Of the 78 total units, 45 units would be one-bedroom units and 33 units would be two-bedroom units. Assuming 2 persons per unit for 45 one-bedroom units and 4 persons per unit for the 33 two-bedroom units, the total potential population could be as high as 222 persons. Growth-inducing impacts are generally associated with the provision of urban services to an undeveloped or rural area. Growth-inducing impacts include the following:

- *New development in an area presently undeveloped and economic factors which may influence development.* The project site was previously developed. The site is currently being developed as a 78 unit apartment complex.
- *Extension of roadways and other transportation facilities.* The project site is currently developed. No new roadways will be required to accommodate the proposed project.
- *Extension of infrastructure and other improvements.* The project site was previously developed and the existing infrastructure can accommodate the proposed infill development.
- *Major off-site public projects (treatment plants, etc.).* The project's increase in demand for services can be accommodated without the construction or expansion of new public facilities including landfills, water treatment plants, or wastewater treatment plants.
- *The removal of housing requiring replacement housing elsewhere.* The project site was previously developed with industrial uses and there are no housing units located on-site. Since no housing units are located onsite, no replacement housing will be required.
- *Additional population growth leading to increased demand for goods and services.* The project will result in a limited increase in population. Assuming an average household size of 4.15 persons per unit, the proposed project would potentially result in 324 new residents. This is likely a high number given that the majority of the units will consist of one- and two-bedroom

APPENDIX A
CATEGORICAL EXEMPTION • CITY OF SOUTH GATE
LEGACY APARTMENTS • 10136 ADELLA AVENUE

units. This is likely a high number given the majority of the units will consist of one and two-bedroom units. Of the 78 total units, 45 units would be one-bedroom units and 33 units would be two-bedroom units. Assuming 2 persons per unit for 45 one-bedroom units and 4 persons per unit for the 33 two-bedroom units, the total potential population could be as high as 222 persons.

- *Short-term growth-inducing impacts related to the project's construction.* The project will result in temporary employment though this increase can be accommodated by the existing local labor pool.

The proposed project will not result in the expansion of urban development into an undeveloped area leading to unplanned growth. Therefore, no impacts will result.

- B.** No housing units will be displaced as a result of the proposed project's implementation. Therefore, no housing displacement impacts will result.

SOURCES

Blodgett Baylosis Environmental Planning. *Site Survey*. The survey was conducted on April 17, 2020.

Southern California Association of Governments. *Growth Forecast. Regional Transportation Plan 2016-2040*. Adopted on April 7, 2016.

United States Census Bureau. *Quickfacts*. <https://www.census.gov/quickfacts/table/>

PUBLIC SERVICES

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|--|--------------------------------|--|------------------------------|-----------|
| a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, the construction of which would cause significant environmental impacts in order to maintain acceptable service ratios, response times, or other performance objectives in <i>fire protection services</i> ? | | | X | |
| b) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, the construction of which would cause significant environmental impacts in order to maintain acceptable service ratios, response times, or other performance objectives in <i>police protection services</i> ? | | | X | |
| c) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, the construction of which would cause significant environmental impacts in order to maintain acceptable service ratios, response times, or other performance objectives in <i>school services</i> ? | | | X | |
| d) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, the construction of which would cause significant environmental impacts in order to maintain acceptable service ratios, response times, or other performance objectives in <i>other public facilities</i> ? | | | X | |

Discussion of Findings

A. The project would involve the construction and occupancy of 78 residential apartment units. The project site is located on a vacant property that was formerly occupied by a steel fabrication facility that has been demolished. Assuming an average household size of 4.15 persons per unit, the proposed project would potentially result in 324 new residents. This is likely a high number given the majority of the units will consist of one and two-bedroom units. Of the 78 total units, 45 units would be one-bedroom units and 33 units would be two-bedroom units. Assuming 2 persons per unit for 45 one-bedroom units and 4 persons per unit for the 33 two-bedroom units, the total potential population could be as high as 222 persons. The proposed project site's applicable Zoning and General Plan land use designation of *Industrial Flex (IF)*. The City of South Gate contracts with the Los Angeles County Fire Department for fire protection and emergency services. The residential development, once occupied, will be periodically inspected by the Los Angeles County Fire Department. In addition, the Fire Department will review the development plans to ascertain the nature and extent of any additional measures that may be required to meet any Fire Code requirements. The Fire Department currently reviews all new development plans, and future development will be required to conform to all fire protection and prevention requirements, including, but not limited to, building setbacks, emergency access, fire hydrants, interior sprinklers, and et cetera. With this review, the impacts will be less than significant.

APPENDIX A
CATEGORICAL EXEMPTION • CITY OF SOUTH GATE
LEGACY APARTMENTS • 10136 ADELLA AVENUE

- B.** Law enforcement services in South Gate are provided by the South Gate Police Department. The proposed multiple-family residential development will potentially result in an incremental increase in the demand for law enforcement services. The Police Department is located in the Civic Center complex. The proposed 78 unit residential project would only place an incremental demand on police protection services since the project is not anticipated to be an attractor for crime due to the lack of unsecure vacant space. The building and layout design of the residential development would include crime prevention features, such as nighttime security lighting and secure parking facilities. To ensure the proposed residential project elements adhere to the City's security requirements, the City of South Gate Police Department will review the site plan for the proposed project to ensure that the development adheres to the Department requirements, including, but not limited to, photometric plan review. Adherence to the abovementioned requirement will reduce potential impacts to levels that are less than significant.
- C.** The project site is located within the service boundaries of the Los Angeles Unified School District (LAUSD) and the proposed 78 units that will be constructed will contribute to overall school enrollments. The proposed residential development will include 45 one-bedroom units and 33 two-bedroom units. There is a potential for 14 students based on the following LAUSD student generation rates:
- *45 one-bedroom units* (0.0573 elementary students/unit; 0.0289 middle school students/unit; and 0.0289 high school students/unit) will result in 2 elementary school students, 1 middle school student, and 1 high school student.
 - *33 two-bedroom units* (0.113 elementary students/unit; 0.076 middle school students/unit; and 0.082 high school students/unit) will result in 4 elementary school students, 3 middle school students, and 3 high school students.

Based on the LAUSD student enrollment rates, the 78 unit development will potentially result in 6 new elementary students, 4 new middle school students, and 4 new high school students. Pursuant to SB-50, payment of fees to the applicable school district is considered full mitigation for project-related impacts. The proposed project's school enrollment impacts will be off-set by the school fees that will be paid by the developer and as a result, less than significant impacts will occur.

- D.** No new governmental services will be needed, and the proposed project is not expected to have any impact on existing governmental services. As a result, less than significant impacts are anticipated.

RECREATION

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|--|--------------------------------|--|------------------------------|-----------|
| a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? | | | X | |
| b) Would the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment? | | | X | |

Discussion of Findings

- A.** The project would involve the construction and occupancy of 78 residential apartment units. The project site is located on a vacant property that was formerly occupied by a steel fabrication facility that has been demolished. Assuming an average household size of 4.15 persons per unit, the proposed project would potentially result in 324 new residents. This is likely a high number given the majority of the units will consist of one and two-bedroom units. Of the 78 total units, 45 units would be one-bedroom units and 33 units would be two-bedroom units. Assuming 2 persons per unit for 45 one-bedroom units and 4 persons per unit for the 33 two-bedroom units, the total potential population could be as high as 222 persons. The proposed project site’s applicable Zoning and General Plan land use designation of *Industrial Flex (IF)*. The City of South Gate Parks and Recreation Department operates nine parks and recreation facilities throughout the City. The proposed project involves the construction of a 78 unit apartment development. The proposed residential development will include 45 one-bedroom units and 33 two-bedroom units. The payment of all pertinent park development fees will reduce potential impacts to parks and recreational facilities to levels that are less than significant.
- B.** As previously indicated, the implementation of the proposed project would not affect any existing parks and recreational facilities in the City. The nearby athletic fields are being used by the adjacent school. The payment of all pertinent park development fees will reduce potential impacts to parks and recreational facilities to levels that are less than significant.

TRANSPORTATION & CIRCULATION

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|---|--------------------------------|--|------------------------------|-----------|
| a) Would the project conflict with a plan, ordinance, or policy establishing measures addressing the circulation system, including transit, roadways, bicycle lanes and pedestrian paths? | | | X | |
| b) For a land use project, would the project conflict or be inconsistent with CEQA Guidelines §15064.3 subdivision (b)(1)? | | | X | |
| c) For a transportation project, would the project conflict with or be inconsistent with CEQA Guidelines §15064.3 subdivision (b)(2)? | | | | X |
| d) Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? | | | X | |
| e) Would the project result in inadequate emergency access? | | | | X |

Discussion of Findings

A. The project would involve the construction and occupancy of 78 residential apartment units. The project site is located on a vacant property that was formerly occupied by a steel fabrication facility that has been demolished. Assuming an average household size of 4.15 persons per unit, the proposed project would potentially result in 324 new residents. This is likely a high number given the majority of the units will consist of one and two-bedroom units. Of the 78 total units, 45 units would be one-bedroom units and 33 units would be two-bedroom units. Assuming 2 persons per unit for 45 one-bedroom units and 4 persons per unit for the 33 two-bedroom units, the total potential population could be as high as 222 persons. The proposed project site's applicable Zoning and General Plan land use designation of *Industrial Flex (IF)*. Vehicular access to the proposed project site would be provided by two driveways. The first driveway connection is located on the east side of Adella Avenue. The second driveway is located in the northeast corner of the proposed project site and would connect with the south side of Legacy Lane. Both driveways and the drive aisle that extends along the site's east and south sides are 26-feet wide. Vehicular parking spaces will be provided along the east and south sides of the project site. The proposed project will provide a total of 114 parking spaces. Of this total, 91 spaces would be standard spaces and 23 spaces would be compact spaces. The proposed project would also provide 5 ADA spaces along with 11 spaces for electric vehicle parking/charging. Finally, a total of 16 bicycle racks will be provided.

The project's trip generation was estimated using trip generation rates derived from the Institute of Transportation Engineer's (ITE) 10th Edition Trip Generation Handbook. The project's daily trips are presented in Table A-4. As shown in Table A-4, the project is anticipated to generate approximately 424 trips per day, with 28 trips occurring during the morning (AM) peak hour and 34 trips occurring during the evening (PM) peak hour.

**Table A-4
 Project Trip Generation**

| Description/Variable | Average Daily Trips | AM Peak Hour | PM Peak Hour |
|---|---------------------|-----------------|-----------------|
| ITE Trip Rates for the Proposed Project (Multi-Family Residential –ITE Code 220) | | | |
| Trip Rates for Multi-Family Residential (78 units) | 5.44 trips/unit | 0.36 trips/unit | 0.44 trips/unit |
| Traffic Generation | 424 trips/day | 28 AM trips | 34 PM trips |

The nearest CMP arterial monitoring intersection to the project site is on Atlantic Avenue and Firestone Boulevard located approximately 1.2-miles from the site. Based on the project trip generation and the distance of this CMP location from the study intersections, it is not expected that 50 or more new trips per hour would be added to this location. Therefore, no further analysis of potential CMP impacts is required. As a result, the potential impacts are less than significant when considering the proposed residential development will replace a previous industrial use. The project’s construction and occupation will not result in a loss of pedestrian facilities since all sidewalks that would be affected by the project’s construction would be replaced. In addition, the project will not preclude the use of public transit stops as no stops will be relocated or eliminated. As a result, the potential impacts are considered to be less than significant.

- B.** According to CEQA Guidelines §15064.3 subdivision (b)(1), vehicle miles traveled exceeding an applicable threshold of significance may indicate a significant impact. Generally, projects within one-half mile of either an existing major transit stop or a stop along an existing high-quality transit corridor should be presumed to cause a less than significant transportation impact. The proposed project site is less than ½ mile from Atlantic Avenue. Projects that decrease vehicle miles traveled in the project area compared to existing conditions should be considered to have a less than significant transportation impact. The proposed use will occupy a developed site. The project is an “infill” development, which is seen as an important strategy in combating the release of GHG emissions. Infill development provides a regional benefit in terms of a reduction in Vehicle Miles Traveled (VMT) since the project is consistent with the regional and State sustainable growth objectives identified in the State’s Strategic Growth Council (SGC). As a result, the potential impacts are considered to be less than significant.
- C.** The proposed project is not a transportation project. As a result, no impacts on this issue will result.
- D.** The proposed project will not expose future residents to dangerous intersections or sharp curves and the proposed project will not introduce incompatible equipment or vehicles to the adjacent roads. Adequate gap time and sight distance is available along Legacy Lane and Adella Avenue. As a result, the potential impacts will be less than significant.
- E.** The project would not affect emergency access to any adjacent parcels. At no time will any local streets or parcels be closed to traffic. Adella Avenue will continue to remain closed to traffic. As a result, the proposed project’s implementation will not result in any impacts.

TRIBAL CULTURAL RESOURCES

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|---|--------------------------------|--|------------------------------|-----------|
| <p>a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k). Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1.?</p> | | | | X |

Discussion of Findings

A. The project would involve the construction and occupancy of 78 residential apartment units. The project site is located on a vacant property that was formerly occupied by a steel fabrication facility that has been demolished. Assuming an average household size of 4.15 persons per unit, the proposed project would potentially result in 324 new residents. This is likely a high number given the majority of the units will consist of one and two-bedroom units. Of the 78 total units, 41 units would be one-bedroom units and 37 units would be two-bedroom units. Assuming 2 persons per unit for 41 one-bedroom units and 4 persons per unit for the 37 two-bedroom units, the total potential population could be as high as 230 persons. A Tribal Resource is defined in Public Resources Code section 21074 and includes the following:

- Sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either of the following: included or determined to be eligible for inclusion in the California Register of Historical Resources or included in a local register of historical resources as defined in subdivision (k) of Section 5020.1.
- A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Section 5024.1. In applying the criteria set forth in subdivision (c) of Section 5024.1 for the purposes of this paragraph, the lead agency shall consider the significance of the resource to a California Native American tribe.
- A cultural landscape that meets the criteria of subdivision (a) is a tribal cultural resource to the extent that the landscape is geographically defined in terms of the size and scope of the landscape.

APPENDIX A
CATEGORICAL EXEMPTION • CITY OF SOUTH GATE
LEGACY APARTMENTS • 10136 ADELLA AVENUE

- A historical resource described in Section 21084.1, a unique archaeological resource as defined in subdivision (g) of Section 21083.2, or a “non-unique archaeological resource” as defined in subdivision (h) of Section 21083.2 may also be a tribal cultural resource if it conforms with the criteria of subdivision (a).
- Any and all archaeological/cultural documents created as a part of the project (isolate records, site records, survey reports, testing reports, etc.) shall be supplied to the applicant and Lead Agency for dissemination to the local tribes. The Lead Agency and/or applicant shall, in good faith, consult with the local tribes throughout the life of the project.

No impacts on this issue will occur given the degree of site disturbance.

UTILITIES & SERVICE SYSTEMS

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|--|--------------------------------|--|------------------------------|-----------|
| a) Would the project require or result in the relocation or construction of new or expanded water or wastewater treatment or storm water drainage, electric power, natural gas, or telecommunication facilities, the construction or relocation of which could cause significant environmental impacts? | | | X | |
| b) Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years? | | | X | |
| c) Would the project result in a determination by the wastewater treatment provider, which serves or may serve the project that it has inadequate capacity to serve the project's projected demand in addition to the provider's existing commitments? | | | X | |
| d) Would the project generate solid waste in excess of State or local standards or in excess of the capacity of local infrastructure? | | | X | |
| e) Would the project negatively impact the provision of solid waste services or impair the attainment of solid waste reduction goals? | | | | X |
| f) Would the project comply with Federal, State, and local management and reduction statutes and regulations related to solid waste? | | | | X |

Discussion of Findings

A. The project would involve the construction and occupancy of 78 residential apartment units. The project site is located on a vacant property that was formerly occupied by a steel fabrication facility that has been demolished. Assuming an average household size of 4.15 persons per unit, the proposed project would potentially result in 324 new residents. This is likely a high number given the majority of the units will consist of one and two-bedroom units. Of the 78 total units, 45 units would be one-bedroom units and 33 units would be two-bedroom units. Assuming 2 persons per unit for 45 one-bedroom units and 4 persons per unit for the 33 two-bedroom units, the total potential population could be as high as 222 persons.

The future residential development (78 units) is anticipated to consume approximately 19,500 gallons of water on a daily basis. This water consumption rate assumes a rate of 250 gallons per day, per unit. The proposed project will be required to use water efficient fixtures and appliances. The County Sanitation Districts of Los Angeles County also treats wastewater from the City of South Gate. Local sewer lines are maintained by the City of South Gate, while the Districts own, operate and maintain the large trunk sewers of the regional wastewater conveyance system. The wastewater generated in the project area is conveyed to the Los Coyotes Water Reclamation Plant (Los Coyotes WRP), which is operated by the LACSD. The Los Coyotes WRP, located at the northwest junction of the San Gabriel River and Artesia Freeway, provides primary, secondary, and tertiary treatment. The Los Coyotes WRP

APPENDIX A
CATEGORICAL EXEMPTION • CITY OF SOUTH GATE
LEGACY APARTMENTS • 10136 ADELLA AVENUE

has a design capacity of 37.5 million gallons per day (mgd) and currently processes an average flow of 31.8 mgd. The Joint Water Pollution Control Plant (JWPCP) located in the City of Carson has a design capacity of 385 mgd and currently processes an average flow of 326.1 mgd. The Long Beach WRP has a design capacity of 25 mgd and currently processes an average flow of 20.2 mgd. The future residential development contemplated under the proposed project (78 units) is anticipated to generate approximately 14,040 gallons of effluent daily. This effluent generation assumes a rate of 180 gallons per day, per unit. No new off-site *treatment facilities* will be required to meet the projected demand. As a result, the potential impacts are less than significant.

- B.** According to the City's General Plan, the City of South Gate uses groundwater from City wells as its primary source. The total capacity of both active and stand-by wells is 32.97 million gallons per day (MGD). The City's average daily demand is 9.32 mgd, while the City's maximum demand is 16.78 mgd. The future residential development (78 units) is anticipated to consume approximately 19,500 gallons of water on a daily basis. This water consumption rate assumes a rate of 250 gallons per day, per unit. The proposed project will be required to use water efficient fixtures and appliances. As a result, the potential impacts are less than significant.
- C.** The wastewater generated in the project area is conveyed to the Los Coyotes Water Reclamation Plant (Los Coyotes WRP), which is operated by the LACSD. The Los Coyotes WRP, located at the northwest junction of the San Gabriel River and Artesia Freeway, provides primary, secondary, and tertiary treatment. The Los Coyotes WRP has a design capacity of 37.5 million gallons per day (mgd) and currently processes an average flow of 31.8 mgd. The Joint Water Pollution Control Plant (JWPCP) located in the City of Carson has a design capacity of 385 mgd and currently processes an average flow of 326.1 mgd. The Long Beach WRP has a design capacity of 25 mgd and currently processes an average flow of 20.2 mgd. The future residential development contemplated under the proposed project (78 units) is anticipated to generate approximately 14,040 gallons of effluent daily. This effluent generation assumes a rate of 180 gallons per day, per unit. No new off-site *treatment facilities* will be required to meet the projected demand. As a result, the potential impacts are less than significant.
- D.** Waste Management contracts with the City of South Gate to provide waste collection service. Waste generated within the City of South Gate is taken to the following facilities: El Sobrante Landfill, Bradley Landfill, or the South Gate transfer station. The El Sobrante Landfill is a Class-III landfill that currently accepts up to 70,000 tons per week. The proposed project is anticipated to generate 976 pounds of solid waste per day. The impacts are considered to be less than significant since the amount of waste that is projected to be generated is within the permitted capacity of the aforementioned facilities.
- E.** The proposed project, like all other development in the City of South Gate, will be required to adhere to City and County ordinances with respect to waste reduction and recycling. As a result, no impacts related to State and local statutes governing solid waste are anticipated.
- F.** The proposed project, like all other development in the City, will be required to adhere to City and County ordinances with respect to waste reduction and recycling. As a result, no impacts related to State and local statutes governing solid waste are anticipated.

WILDFIRE

| Environmental Issue Areas Examined | Potentially Significant Impact | Less Than Significant Impact With Mitigation | Less Than Significant Impact | No Impact |
|--|--------------------------------|--|------------------------------|-----------|
| a) If located in or near State responsibility areas or lands classified as very high fire hazard severity zones, would the project impair an adopted emergency response plan or emergency evacuation plan? | | | | X |
| b) Would the project, due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire? | | | | X |
| c) Would the project require the installation of maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment? | | | | X |
| d) Would the project expose people or structure to significant risks, including down slope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes? | | | | X |

Discussion of Findings

- A.** The project site is located in the midst of an urbanized area. Improved surface streets serve the project site and the surrounding area. Furthermore, the proposed project would not involve the closure or alteration of any existing evacuation routes that would be important in the event of a wildfire. As a result, no impacts will occur.
- B.** The project site is located in the midst of an urbanized area. The proposed project may be exposed to particulate emissions generated by wildland fires in the mountains (the site is located approximately 20 mile south and southwest of the San Gabriel and San Bernardino Mountains). However, the potential impacts would not be exclusive to the project site since criteria pollutant emissions from wildland fires may affect the entire City as well as the surrounding cities and unincorporated county areas. As a result, no impacts will occur.
- C.** The project will not require the installation of maintenance of associated infrastructure. As a result, no impacts will occur.
- D.** There is no risk from wildfire within the project site or the surrounding area given the project site's distance from any area that may be subject to a wildfire event. The surrounding areas are sparsely developed. Therefore, the project will not expose future employees to flooding or landslides facilitated by runoff flowing down barren and charred slopes and no impacts will occur.

APPENDIX B
AIR QUALITY WORKSHEETS

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

SGAT 030 - Legacy Apartments
 South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---------------------|-------|---------------|-------------|--------------------|------------|
| Apartments Low Rise | 78.00 | Dwelling Unit | 2.02 | 87,991.00 | 324 |

1.2 Other Project Characteristics

| | | | | | |
|-------------------------|----------------------------|-------------------------|-------|---------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 31 |
| Climate Zone | 9 | | | Operational Year | 2022 |
| Utility Company | Southern California Edison | | | | |
| CO2 Intensity (lb/MWhr) | 702.44 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - 324 Residents
- Construction Phase - N/A
- Construction Off-road Equipment Mitigation -
- Area Mitigation -
- Water Mitigation -

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

| Table Name | Column Name | Default Value | New Value |
|----------------------|----------------------------|---------------|------------|
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblConstructionPhase | NumDays | 10.00 | 40.00 |
| tblConstructionPhase | NumDays | 220.00 | 306.00 |
| tblConstructionPhase | NumDays | 20.00 | 42.00 |
| tblConstructionPhase | NumDays | 6.00 | 45.00 |
| tblConstructionPhase | NumDays | 10.00 | 45.00 |
| tblConstructionPhase | NumDays | 3.00 | 44.00 |
| tblConstructionPhase | PhaseEndDate | 1/12/2022 | 12/31/2021 |
| tblConstructionPhase | PhaseEndDate | 12/15/2021 | 9/4/2022 |
| tblConstructionPhase | PhaseEndDate | 1/28/2021 | 3/1/2021 |
| tblConstructionPhase | PhaseEndDate | 2/10/2021 | 7/3/2021 |
| tblConstructionPhase | PhaseEndDate | 12/29/2021 | 11/5/2021 |
| tblConstructionPhase | PhaseEndDate | 2/2/2021 | 5/2/2021 |
| tblConstructionPhase | PhaseStartDate | 12/30/2021 | 11/6/2021 |
| tblConstructionPhase | PhaseStartDate | 2/11/2021 | 7/4/2021 |
| tblConstructionPhase | PhaseStartDate | 2/3/2021 | 5/3/2021 |
| tblConstructionPhase | PhaseStartDate | 12/16/2021 | 9/5/2021 |
| tblConstructionPhase | PhaseStartDate | 1/29/2021 | 3/2/2021 |
| tblGrading | AcresOfGrading | 22.50 | 3.00 |
| tblGrading | AcresOfGrading | 66.00 | 4.50 |
| tblLandUse | LandUseSquareFeet | 78,000.00 | 87,991.00 |
| tblLandUse | LotAcreage | 4.88 | 2.02 |
| tblLandUse | Population | 223.00 | 324.00 |

2.0 Emissions Summary

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------|---------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2021 | 16.3336 | 27.6327 | 29.1944 | 0.0528 | 6.2046 | 1.4072 | 7.1211 | 3.3475 | 1.3271 | 4.1908 | 0.0000 | 5,002.2534 | 5,002.2534 | 1.0263 | 0.0000 | 5,027.9113 |
| 2022 | 2.0961 | 15.4668 | 16.4752 | 0.0330 | 0.6772 | 0.7080 | 1.3851 | 0.1807 | 0.6765 | 0.8592 | 0.0000 | 3,103.2540 | 3,103.2540 | 0.4694 | 0.0000 | 3,114.9898 |
| Maximum | 16.3336 | 27.6327 | 29.1944 | 0.0528 | 6.2046 | 1.4072 | 7.1211 | 3.3475 | 1.3271 | 4.1908 | 0.0000 | 5,002.2534 | 5,002.2534 | 1.0263 | 0.0000 | 5,027.9113 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------|---------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2021 | 16.3336 | 27.6327 | 29.1944 | 0.0528 | 2.4880 | 1.4072 | 3.4045 | 1.3236 | 1.3271 | 2.1669 | 0.0000 | 5,002.2534 | 5,002.2534 | 1.0263 | 0.0000 | 5,027.9113 |
| 2022 | 2.0961 | 15.4668 | 16.4752 | 0.0330 | 0.6772 | 0.7080 | 1.3851 | 0.1807 | 0.6765 | 0.8592 | 0.0000 | 3,103.2540 | 3,103.2540 | 0.4694 | 0.0000 | 3,114.9898 |
| Maximum | 16.3336 | 27.6327 | 29.1944 | 0.0528 | 2.4880 | 1.4072 | 3.4045 | 1.3236 | 1.3271 | 2.1669 | 0.0000 | 5,002.2534 | 5,002.2534 | 1.0263 | 0.0000 | 5,027.9113 |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 54.01 | 0.00 | 43.69 | 57.36 | 0.00 | 40.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|----------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|-----------------|------------------------|------------------------|---------------|---------------|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 22.5265 | 1.6927 | 46.1091 | 0.1015 | | 5.9939 | 5.9939 | | 5.9939 | 5.9939 | 730.6196 | 1,415,587 1 | 2,146,206 7 | 2.1900 | 0.0496 | 2,215,735 0 |
| Energy | 0.0377 | 0.3218 | 0.1369 | 2.0500e-003 | | 0.0260 | 0.0260 | | 0.0260 | 0.0260 | | 410.7984 | 410.7984 | 7.8700e-003 | 7.5300e-003 | 413.2396 |
| Mobile | 0.9722 | 4.9758 | 12.9976 | 0.0494 | 4.0580 | 0.0375 | 4.0955 | 1.0858 | 0.0350 | 1.1208 | | 5,031,182 9 | 5,031,182 9 | 0.2314 | | 5,036,968 1 |
| Total | 23.5363 | 6.9903 | 59.2436 | 0.1530 | 4.0580 | 6.0574 | 10.1154 | 1.0858 | 6.0549 | 7.1407 | 730.6196 | 6,857,588 4 | 7,588,188 0 | 2.4293 | 0.0571 | 7,665,942 7 |

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|----------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|-----------------|------------------------|------------------------|---------------|---------------|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 22.5265 | 1.6927 | 46.1091 | 0.1015 | | 5.9939 | 5.9939 | | 5.9939 | 5.9939 | 730.6196 | 1,415,587 1 | 2,146,206 7 | 2.1900 | 0.0496 | 2,215,735 0 |
| Energy | 0.0377 | 0.3218 | 0.1369 | 2.0500e-003 | | 0.0260 | 0.0260 | | 0.0260 | 0.0260 | | 410.7984 | 410.7984 | 7.8700e-003 | 7.5300e-003 | 413.2396 |
| Mobile | 0.9722 | 4.9758 | 12.9976 | 0.0494 | 4.0580 | 0.0375 | 4.0955 | 1.0858 | 0.0350 | 1.1208 | | 5,031,182 9 | 5,031,182 9 | 0.2314 | | 5,036,968 1 |
| Total | 23.5363 | 6.9903 | 59.2436 | 0.1530 | 4.0580 | 6.0574 | 10.1154 | 1.0858 | 6.0549 | 7.1407 | 730.6196 | 6,857,588 4 | 7,588,188 0 | 2.4293 | 0.0571 | 7,665,942 7 |

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|---------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 1/1/2021 | 3/1/2021 | 5 | 42 | |
| 2 | Site Preparation | Site Preparation | 3/2/2021 | 5/2/2021 | 5 | 44 | |
| 3 | Grading | Grading | 5/3/2021 | 7/3/2021 | 5 | 45 | |
| 4 | Building Construction | Building Construction | 7/4/2021 | 9/4/2022 | 5 | 305 | |
| 5 | Paving | Paving | 9/5/2021 | 11/5/2021 | 5 | 45 | |
| 6 | Architectural Coating | Architectural Coating | 11/6/2021 | 12/31/2021 | 5 | 40 | |

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 0

Residential Indoor: 178,182; Residential Outdoor: 59,394; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 1 | 8.00 | 9 | 0.56 |
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Cranes | 1 | 8.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 7.00 | 89 | 0.20 |
| Site Preparation | Graders | 1 | 8.00 | 187 | 0.41 |
| Paving | Pavers | 1 | 8.00 | 130 | 0.42 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Demolition | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 6.00 | 97 | 0.37 |
| Demolition | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Grading | Tractors/Loaders/Backhoes | 2 | 7.00 | 97 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Site Preparation | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Paving | Paving Equipment | 1 | 8.00 | 132 | 0.36 |
| Site Preparation | Scrapers | 1 | 8.00 | 367 | 0.48 |
| Building Construction | Welders | 3 | 8.00 | 46 | 0.45 |

Trips and VMT

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 5 | 13.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 3 | 8.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 4 | 10.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 8 | 56.00 | 8.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 11.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|---------|----------------|----------------|--------|-----|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.9930 | 19.6966 | 14.4925 | 0.0241 | | 1.0409 | 1.0409 | | 0.9715 | 0.9715 | | 2,322.717 1 | 2,322.717 1 | 0.5940 | | 2,337.565 8 |
| Total | 1.9930 | 19.6966 | 14.4925 | 0.0241 | | 1.0409 | 1.0409 | | 0.9715 | 0.9715 | | 2,322.717 1 | 2,322.717 1 | 0.5940 | | 2,337.565 8 |

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

3.2 Demolition - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM 10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0549 | 0.0356 | 0.4897 | 1.4400e-003 | 0.1453 | 1.0700e-003 | 0.1464 | 0.0385 | 9.9000e-004 | 0.0395 | | 143.9624 | 143.9624 | 3.8700e-003 | | 144.0592 |
| Total | 0.0549 | 0.0356 | 0.4897 | 1.4400e-003 | 0.1453 | 1.0700e-003 | 0.1464 | 0.0385 | 9.9000e-004 | 0.0395 | | 143.9624 | 143.9624 | 3.8700e-003 | | 144.0592 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM 10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.9930 | 19.6966 | 14.4925 | 0.0241 | | 1.0409 | 1.0409 | | 0.9715 | 0.9715 | 0.0000 | 2,322.7171 | 2,322.7171 | 0.5940 | | 2,337.5658 |
| Total | 1.9930 | 19.6966 | 14.4925 | 0.0241 | | 1.0409 | 1.0409 | | 0.9715 | 0.9715 | 0.0000 | 2,322.7171 | 2,322.7171 | 0.5940 | | 2,337.5658 |

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

3.2 Demolition - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0549 | 0.0356 | 0.4897 | 1.4400e-003 | 0.1453 | 1.0700e-003 | 0.1464 | 0.0385 | 9.9000e-004 | 0.0395 | | 143.9624 | 143.9624 | 3.8700e-003 | | 144.0592 |
| Total | 0.0549 | 0.0356 | 0.4897 | 1.4400e-003 | 0.1453 | 1.0700e-003 | 0.1464 | 0.0385 | 9.9000e-004 | 0.0395 | | 143.9624 | 143.9624 | 3.8700e-003 | | 144.0592 |

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.1085 | 0.0000 | 0.1085 | 0.0117 | 0.0000 | 0.0117 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.5463 | 18.2862 | 10.7496 | 0.0245 | | 0.7019 | 0.7019 | | 0.6457 | 0.6457 | | 2,372.8832 | 2,372.8832 | 0.7674 | | 2,392.0692 |
| Total | 1.5463 | 18.2862 | 10.7496 | 0.0245 | 0.1085 | 0.7019 | 0.8103 | 0.0117 | 0.6457 | 0.6574 | | 2,372.8832 | 2,372.8832 | 0.7674 | | 2,392.0692 |

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM 10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0338 | 0.0219 | 0.3014 | 8.9000e-004 | 0.0894 | 6.6000e-004 | 0.0901 | 0.0237 | 6.1000e-004 | 0.0243 | | 88.5923 | 88.5923 | 2.3800e-003 | | 88.6518 |
| Total | 0.0338 | 0.0219 | 0.3014 | 8.9000e-004 | 0.0894 | 6.6000e-004 | 0.0901 | 0.0237 | 6.1000e-004 | 0.0243 | | 88.5923 | 88.5923 | 2.3800e-003 | | 88.6518 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM 10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.0423 | 0.0000 | 0.0423 | 4.5700e-003 | 0.0000 | 4.5700e-003 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.5463 | 18.2862 | 10.7496 | 0.0245 | | 0.7019 | 0.7019 | | 0.6457 | 0.6457 | 0.0000 | 2,372.8832 | 2,372.8832 | 0.7674 | | 2,392.0692 |
| Total | 1.5463 | 18.2862 | 10.7496 | 0.0245 | 0.0423 | 0.7019 | 0.7442 | 4.5700e-003 | 0.6457 | 0.6503 | 0.0000 | 2,372.8832 | 2,372.8832 | 0.7674 | | 2,392.0692 |

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM 10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------|----------------|----------------|--------------------|-----|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0338 | 0.0219 | 0.3014 | 8.9000e-004 | 0.0894 | 6.6000e-004 | 0.0901 | 0.0237 | 6.1000e-004 | 0.0243 | | 88.5923 | 88.5923 | 2.3800e-003 | | 88.6518 |
| Total | 0.0338 | 0.0219 | 0.3014 | 8.9000e-004 | 0.0894 | 6.6000e-004 | 0.0901 | 0.0237 | 6.1000e-004 | 0.0243 | | 88.5923 | 88.5923 | 2.3800e-003 | | 88.6518 |

3.4 Grading - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM 10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.0928 | 0.0000 | 6.0928 | 3.3179 | 0.0000 | 3.3179 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8271 | 20.2135 | 9.7604 | 0.0206 | | 0.9158 | 0.9158 | | 0.8425 | 0.8425 | | 1,995.6114 | 1,995.6114 | 0.6454 | | 2,011.7470 |
| Total | 1.8271 | 20.2135 | 9.7604 | 0.0206 | 6.0928 | 0.9158 | 7.0086 | 3.3179 | 0.8425 | 4.1604 | | 1,995.6114 | 1,995.6114 | 0.6454 | | 2,011.7470 |

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

3.4 Grading - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0422 | 0.0274 | 0.3767 | 1.1100e-003 | 0.1118 | 8.2000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | | 110.7403 | 110.7403 | 2.9800e-003 | | 110.8148 |
| Total | 0.0422 | 0.0274 | 0.3767 | 1.1100e-003 | 0.1118 | 8.2000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | | 110.7403 | 110.7403 | 2.9800e-003 | | 110.8148 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.3762 | 0.0000 | 2.3762 | 1.2940 | 0.0000 | 1.2940 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8271 | 20.2135 | 9.7604 | 0.0206 | | 0.9158 | 0.9158 | | 0.8425 | 0.8425 | 0.0000 | 1,995.6114 | 1,995.6114 | 0.6454 | | 2,011.7470 |
| Total | 1.8271 | 20.2135 | 9.7604 | 0.0206 | 2.3762 | 0.9158 | 3.2919 | 1.2940 | 0.8425 | 2.1365 | 0.0000 | 1,995.6114 | 1,995.6114 | 0.6454 | | 2,011.7470 |

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

3.4 Grading - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0422 | 0.0274 | 0.3767 | 1.1100e-003 | 0.1118 | 8.2000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | | 110.7403 | 110.7403 | 2.9800e-003 | | 110.8148 |
| Total | 0.0422 | 0.0274 | 0.3767 | 1.1100e-003 | 0.1118 | 8.2000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | | 110.7403 | 110.7403 | 2.9800e-003 | | 110.8148 |

3.5 Building Construction - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.0451 | 16.0275 | 14.5629 | 0.0250 | | 0.8173 | 0.8173 | | 0.7831 | 0.7831 | | 2,288.9355 | 2,288.9355 | 0.4503 | | 2,300.1935 |
| Total | 2.0451 | 16.0275 | 14.5629 | 0.0250 | | 0.8173 | 0.8173 | | 0.7831 | 0.7831 | | 2,288.9355 | 2,288.9355 | 0.4503 | | 2,300.1935 |

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM 10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0223 | 0.7830 | 0.1811 | 2.0400e-003 | 0.0512 | 1.5400e-003 | 0.0527 | 0.0147 | 1.4700e-003 | 0.0162 | | 217.9508 | 217.9508 | 0.0132 | | 218.2804 |
| Worker | 0.2364 | 0.1533 | 2.1097 | 6.2200e-003 | 0.6260 | 4.6100e-003 | 0.6306 | 0.1660 | 4.2400e-003 | 0.1703 | | 620.1459 | 620.1459 | 0.0167 | | 620.5628 |
| Total | 0.2587 | 0.9163 | 2.2907 | 8.2600e-003 | 0.6772 | 6.1500e-003 | 0.6833 | 0.1807 | 5.7100e-003 | 0.1865 | | 838.0966 | 838.0966 | 0.0299 | | 838.8432 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM 10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.0451 | 16.0275 | 14.5629 | 0.0250 | | 0.8173 | 0.8173 | | 0.7831 | 0.7831 | 0.0000 | 2,288.9355 | 2,288.9355 | 0.4503 | | 2,300.1935 |
| Total | 2.0451 | 16.0275 | 14.5629 | 0.0250 | | 0.8173 | 0.8173 | | 0.7831 | 0.7831 | 0.0000 | 2,288.9355 | 2,288.9355 | 0.4503 | | 2,300.1935 |

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

3.5 Building Construction - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM 10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0223 | 0.7630 | 0.1811 | 2.0400e-003 | 0.0512 | 1.5400e-003 | 0.0527 | 0.0147 | 1.4700e-003 | 0.0162 | | 217.9508 | 217.9508 | 0.0132 | | 216.2804 |
| Worker | 0.2364 | 0.1533 | 2.1097 | 6.2200e-003 | 0.6260 | 4.6100e-003 | 0.6306 | 0.1660 | 4.2400e-003 | 0.1703 | | 620.1459 | 620.1459 | 0.0167 | | 620.5628 |
| Total | 0.2587 | 0.9163 | 2.2907 | 8.2600e-003 | 0.6772 | 6.1500e-003 | 0.6833 | 0.1807 | 5.7100e-003 | 0.1865 | | 838.0966 | 838.0966 | 0.0299 | | 838.8432 |

3.5 Building Construction - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM 10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------|--------------------|--------------------|---------------|-----|--------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.8555 | 14.6040 | 14.3533 | 0.0250 | | 0.7022 | 0.7022 | | 0.6731 | 0.6731 | | 2,289,281.3 | 2,289,281.3 | 0.4417 | | 2,300,323.0 |
| Total | 1.8555 | 14.6040 | 14.3533 | 0.0250 | | 0.7022 | 0.7022 | | 0.6731 | 0.6731 | | 2,289,281.3 | 2,289,281.3 | 0.4417 | | 2,300,323.0 |

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM 10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0209 | 0.7243 | 0.1711 | 2.0200e-003 | 0.0512 | 1.3300e-003 | 0.0525 | 0.0147 | 1.2700e-003 | 0.0160 | | 216.0473 | 216.0473 | 0.0127 | | 216.3646 |
| Worker | 0.2217 | 0.1385 | 1.9508 | 6.0000e-003 | 0.6260 | 4.4800e-003 | 0.6304 | 0.1660 | 4.1200e-003 | 0.1701 | | 597.9254 | 597.9254 | 0.0151 | | 598.3022 |
| Total | 0.2426 | 0.8628 | 2.1219 | 8.0200e-003 | 0.6772 | 5.8100e-003 | 0.6830 | 0.1807 | 5.3900e-003 | 0.1861 | | 813.9727 | 813.9727 | 0.0278 | | 814.6668 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM 10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.8555 | 14.6040 | 14.3533 | 0.0250 | | 0.7022 | 0.7022 | | 0.6731 | 0.6731 | 0.0000 | 2,289.2813 | 2,289.2813 | 0.4417 | | 2,300.3230 |
| Total | 1.8555 | 14.6040 | 14.3533 | 0.0250 | | 0.7022 | 0.7022 | | 0.6731 | 0.6731 | 0.0000 | 2,289.2813 | 2,289.2813 | 0.4417 | | 2,300.3230 |

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

3.5 Building Construction - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0209 | 0.7243 | 0.1711 | 2.0200e-003 | 0.0512 | 1.3300e-003 | 0.0525 | 0.0147 | 1.2700e-003 | 0.0160 | | 216.0473 | 216.0473 | 0.0127 | | 216.3646 |
| Worker | 0.2217 | 0.1385 | 1.9508 | 6.0000e-003 | 0.6260 | 4.4800e-003 | 0.6304 | 0.1660 | 4.1200e-003 | 0.1701 | | 597.9254 | 597.9254 | 0.0151 | | 598.3022 |
| Total | 0.2426 | 0.8628 | 2.1219 | 8.0200e-003 | 0.6772 | 5.8100e-003 | 0.6830 | 0.1807 | 5.3900e-003 | 0.1861 | | 813.9727 | 813.9727 | 0.0278 | | 814.6668 |

3.6 Paving - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0633 | 10.6478 | 11.7756 | 0.0178 | | 0.5826 | 0.5826 | | 0.5371 | 0.5371 | | 1,709.1107 | 1,709.1107 | 0.5417 | | 1,722.6524 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.0633 | 10.6478 | 11.7756 | 0.0178 | | 0.5826 | 0.5826 | | 0.5371 | 0.5371 | | 1,709.1107 | 1,709.1107 | 0.5417 | | 1,722.6524 |

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

3.6 Paving - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM 10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0633 | 0.0411 | 0.5651 | 1.6700e-003 | 0.1677 | 1.2300e-003 | 0.1689 | 0.0445 | 1.1400e-003 | 0.0456 | | 166.1105 | 166.1105 | 4.4700e-003 | | 166.2222 |
| Total | 0.0633 | 0.0411 | 0.5651 | 1.6700e-003 | 0.1677 | 1.2300e-003 | 0.1689 | 0.0445 | 1.1400e-003 | 0.0456 | | 166.1105 | 166.1105 | 4.4700e-003 | | 166.2222 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM 10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0633 | 10.6478 | 11.7756 | 0.0178 | | 0.5826 | 0.5826 | | 0.5371 | 0.5371 | 0.0000 | 1,709.1107 | 1,709.1107 | 0.5417 | | 1,722.6524 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.0633 | 10.6478 | 11.7756 | 0.0178 | | 0.5826 | 0.5826 | | 0.5371 | 0.5371 | 0.0000 | 1,709.1107 | 1,709.1107 | 0.5417 | | 1,722.6524 |

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

3.6 Paving - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM 10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0633 | 0.0411 | 0.5651 | 1.6700e-003 | 0.1677 | 1.2300e-003 | 0.1689 | 0.0445 | 1.1400e-003 | 0.0456 | | 166.1105 | 166.1105 | 4.4700e-003 | | 166.2222 |
| Total | 0.0633 | 0.0411 | 0.5651 | 1.6700e-003 | 0.1677 | 1.2300e-003 | 0.1689 | 0.0445 | 1.1400e-003 | 0.0456 | | 166.1105 | 166.1105 | 4.4700e-003 | | 166.2222 |

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM 10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 13.7646 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2189 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | | 0.0941 | 0.0941 | | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |
| Total | 13.9835 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | | 0.0941 | 0.0941 | | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |

APPENDIX B
 CATEGORICAL EXEMPTION • CITY OF SOUTH GATE
 LEGACY APARTMENTS • 10136 ADELLA AVENUE

CalEEMod Version: CalEEMod.2016.3.2

Page 20 of 27

Date: 7/16/2020 3:56 PM

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

**3.7 Architectural Coating - 2021
 Unmitigated Construction Off-Site**

| Category | lb/day | | | | | | | | | | | | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------|-----------------|-----------------|--------------------|-----|------|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 |
| Worker | 0.0464 | 0.0301 | 0.4144 | 1.2200e-003 | 0.1230 | 9.1000e-004 | 0.1239 | 0.0326 | 8.3000e-004 | 0.0334 | | 121.8144 | 121.8144 | 3.2600e-003 | | | 121.8963 |
| Total | 0.0464 | 0.0301 | 0.4144 | 1.2200e-003 | 0.1230 | 9.1000e-004 | 0.1239 | 0.0326 | 8.3000e-004 | 0.0334 | | 121.8144 | 121.8144 | 3.2600e-003 | | | 121.8963 |

Mitigated Construction On-Site

| Category | lb/day | | | | | | | | | | | | | | | | |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------|-----------------|-----------------|---------------|-----|------|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Archit. Coating | 13.7646 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | | 0.0000 |
| Off-Road | 0.2189 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | | 0.0941 | 0.0941 | | 281.4481 | 281.4481 | 0.0193 | | | 281.9309 |
| Total | 13.9835 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | | 0.0941 | 0.0941 | | 281.4481 | 281.4481 | 0.0193 | | | 281.9309 |

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0464 | 0.0301 | 0.4144 | 1.2200e-003 | 0.1230 | 9.1000e-004 | 0.1239 | 0.0326 | 8.3000e-004 | 0.0334 | | 121.8144 | 121.8144 | 3.2800e-003 | | 121.8963 |
| Total | 0.0464 | 0.0301 | 0.4144 | 1.2200e-003 | 0.1230 | 9.1000e-004 | 0.1239 | 0.0326 | 8.3000e-004 | 0.0334 | | 121.8144 | 121.8144 | 3.2800e-003 | | 121.8963 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM 10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|---------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.9722 | 4.9755 | 12.9976 | 0.0494 | 4.0550 | 0.0375 | 4.0955 | 1.0658 | 0.0350 | 1.1208 | | 5,031.182 | 5,031.182 | 0.2314 | | 5,036.9651 |
| Unmitigated | 0.9722 | 4.9755 | 12.9976 | 0.0494 | 4.0550 | 0.0375 | 4.0955 | 1.0658 | 0.0350 | 1.1208 | | 5,031.182 | 5,031.182 | 0.2314 | | 5,036.9651 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Apartments Low Rise | 514.02 | 558.48 | 473.46 | 1,758,388 | 1,758,388 |
| Total | 514.02 | 558.48 | 473.46 | 1,758,388 | 1,758,388 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|---------------------|------------|------------|-------------|------------|------------|-------------|----------------|-------------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diversified | Pass-by |
| Apartments Low Rise | 14.70 | 5.90 | 8.70 | 40.20 | 19.20 | 40.60 | 86 | 11 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Apartments Low Rise | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |

5.0 Energy Detail

Historical Energy Use: N

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Natural Gas Mitigated | 0.0377 | 0.3218 | 0.1369 | 2.0500e-003 | | 0.0260 | 0.0260 | | 0.0260 | 0.0260 | | 410.7984 | 410.7984 | 7.8700e-003 | 7.5300e-003 | 413.2396 |
| Natural Gas Unmitigated | 0.0377 | 0.3218 | 0.1369 | 2.0500e-003 | | 0.0260 | 0.0260 | | 0.0260 | 0.0260 | | 410.7984 | 410.7984 | 7.8700e-003 | 7.5300e-003 | 413.2396 |

5.2 Energy by Land Use - Natural Gas

Unmitigated

| | Natural Gas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------------|-----------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Apartments Low Rise | 3491.79 | 0.0377 | 0.3218 | 0.1369 | 2.0500e-003 | | 0.0260 | 0.0260 | | 0.0260 | 0.0260 | | 410.7984 | 410.7984 | 7.8700e-003 | 7.5300e-003 | 413.2396 |
| Total | | 0.0377 | 0.3218 | 0.1369 | 2.0500e-003 | | 0.0260 | 0.0260 | | 0.0260 | 0.0260 | | 410.7984 | 410.7984 | 7.8700e-003 | 7.5300e-003 | 413.2396 |

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

5.2 Energy by Land Use - Natural Gas

Mitigated

| | Natural Gas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------------|-----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/y | lb/day | | | | | | | | | | lb/day | | | | | |
| Apartments Low Rise | 3.49179 | 0.0377 | 0.3218 | 0.1369 | 2.0500e-003 | | 0.0260 | 0.0260 | | 0.0260 | 0.0260 | | 410.7984 | 410.7984 | 7.8700e-003 | 7.5300e-003 | 413.2396 |
| Total | | 0.0377 | 0.3218 | 0.1369 | 2.0500e-003 | | 0.0260 | 0.0260 | | 0.0260 | 0.0260 | | 410.7984 | 410.7984 | 7.8700e-003 | 7.5300e-003 | 413.2396 |

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 22.5265 | 1.6927 | 46.1091 | 0.1015 | | 5.9939 | 5.9939 | | 5.9939 | 5.9939 | 730.6196 | 1,415.5871 | 2,146.2067 | 2.1900 | 0.0496 | 2,215.7350 |
| Unmitigated | 22.5265 | 1.6927 | 46.1091 | 0.1015 | | 5.9939 | 5.9939 | | 5.9939 | 5.9939 | 730.6196 | 1,415.5871 | 2,146.2067 | 2.1900 | 0.0496 | 2,215.7350 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-------------------|-------------------|---------------|---------------|-------------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.1506 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.7422 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 20.4388 | 1.6184 | 39.6670 | 0.1012 | | 5.9583 | 5.9583 | | 5.9583 | 5.9583 | 730.6196 | 1,404.0000 | 2,134.6196 | 2.1789 | 0.0496 | 2,203.8685 |
| Landscaping | 0.1946 | 0.0743 | 6.4420 | 3.4000e-004 | | 0.0356 | 0.0356 | | 0.0356 | 0.0356 | | 11.5871 | 11.5871 | 0.0112 | | 11.8666 |
| Total | 22.5265 | 1.6927 | 46.1091 | 0.1015 | | 5.9939 | 5.9939 | | 5.9939 | 5.9939 | 730.6196 | 1,415.5871 | 2,146.2067 | 2.1900 | 0.0496 | 2,215.7350 |

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|--------------------|--------------------|---------------|---------------|--------------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.1508 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.7422 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 20.4388 | 1.6184 | 39.6670 | 0.1012 | | 5.9583 | 5.9583 | | 5.9583 | 5.9583 | 730.6196 | 1,404,000.0 | 2,134,619.6 | 2.1789 | 0.0496 | 2,203,868.5 |
| Landscaping | 0.1946 | 0.0743 | 6.4420 | 3.4000e-004 | | 0.0356 | 0.0356 | | 0.0356 | 0.0356 | | 11,5571 | 11,5571 | 0.0112 | | 11,8666 |
| Total | 22.5265 | 1.6927 | 46.1091 | 0.1015 | | 5.9939 | 5.9939 | | 5.9939 | 5.9939 | 730.6196 | 1,415,587.1 | 2,146,206.7 | 2.1900 | 0.0496 | 2,215,735.0 |

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

SGAT 030 - Legacy Apartments - South Coast AQMD Air District, Summer

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

Boilers

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

User Defined Equipment

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

11.0 Vegetation

**ATTACHMENT H: Responses to Traffic
Concerns (Memorandum from Blodgett Baylosis
Environmental Planning)**

BLODGETT BAYLOSIS ENVIRONMENTAL PLANNING
Planning • Environmental • Economics • Mapping • GIS

Date: August 6, 2020
To: Joe Perez Community Development Director, City of South Gate
From: Marc Blodgett, Blodgett Baylosis Environmental Planning

Subject: Information Regarding the Traffic Analysis Prepared for the Legacy Apartment Project.

The purpose of this memorandum is to provide some additional information and background concerning the traffic analysis that was prepared for the proposed Legacy Apartment development. The Planning Commission meeting and the general public raised questions concerning the proposed project's potential traffic generation and the attendant impacts. This memorandum will address those points that were raised at this meeting.

Comment #1. The proposed project would result in excessive traffic impacts.

The proposed project is a proposal to construct 78 multiple-family units. The project's trip generation was estimated using trip generation rates derived from the Institute of Transportation Engineer's (ITE) 10th Edition Trip Generation Handbook. The ITE Manual is referred to in all traffic studies to ensure that the potential traffic impacts are fairly evaluated. The project's daily trips were presented below.

Legacy Apartments - Project Trip Generation

| Description/Variable | Average Daily Trips | AM Peak Hour | PM Peak Hour |
|---|---------------------|-----------------|-----------------|
| ITE Trip Rates for the Proposed Project (Multi-Family Residential –ITE Code 220) | | | |
| Trip Rates for Multi-Family Residential (78 units) | 5.44 trips/unit | 0.36 trips/unit | 0.44 trips/unit |
| Traffic Generation | 424 trips/day | 28 AM trips | 34 PM trips |

As shown in the Table, the project is anticipated to generate approximately 424 trips per day, with 28 trips occurring during the morning (AM) peak hour and 34 trips occurring during the evening (PM) peak hour. In terms of other types of development such as commercial or industrial, multiple family residential development will result in fewer vehicle trips.

Comment #2. The proposed project would result in through traffic that would impact the neighboring residential neighborhood.

Vehicle traffic would not be permitted to travel southbound on Adella Avenue. The Adella Avenue barrier with Aldrich Road would continue to remain.

BLODGETT BAYLOSIS ENVIRONMENTAL PLANNING

Comment #3 We are concerned about spill over (on-street) parking affecting Aldrich Road.

The previous comment indicated that vehicular traffic would not be permitted to travel southbound on Adella Avenue. The Adella Avenue barrier with Aldrich Road would continue to remain. This would effectively discourage residents from parking their cars on Aldrich Road.

As indicated in the project description, the proposed project will provide a total of 114 parking spaces. Of this total, 91 spaces would be standard spaces and 23 spaces would be compact spaces. The proposed project would also provide 5 ADA spaces along with 11 spaces for electric vehicle parking/charging. The proposed project will consist of 78 rental units including 41 units would be one-bedroom units and 37 units would be two-bedroom units. As part of the leasing agreement, it will also be possible that parking spaces can be assigned to the individual units. In this way, it will be able for the management to prevent the overcrowding of units along with the attendant parking demand. Finally, Legacy Lane also provides on-street parking on both sides of the street.

Comment #4 Why did the CEQA study focus on Firestone Boulevard and Atlantic Avenue when it is so far away from the project site?

This intersection (Atlantic Boulevard and Firestone Boulevard) was discussed because this intersection is the nearest Congestion Management Program (CMP) intersection which is located approximately 1.2-miles from the site. According to the Los Angeles County CMP requirements, a traffic analysis is *not* required if it will not generate less than 50 peak hour trips at this intersection. The County Guidelines continue by indicating that no CMP traffic study is required in these instances.

Comment #5 The project will result in potentially significant impacts at local intersections, especially Atlantic Blvd./Wood Ave., Atlantic Blvd./Tweedy Blvd., and Tweedy Blvd./Legacy Ln.

The purpose of the Class 32 Residential Infill Exemption is to promote urban residential development as a means to reduce vehicular traffic in urban areas. The State of California through recent legislation, requires local governments to make findings to ensure that a project qualifies for this exemption. Even with that said, the City of South Gate considered the proposed project's traffic impacts in the environmental assessment that was prepared for the project. It is important to note that no allowance was made to the previous industrial use and the traffic that was generated when it was operational. This industrial use generated large volumes of traffic that also included trucks and employee trips.

The most critical time periods include the morning (AM) peak hour traffic period and the evening (PM) traffic period. The great majority of the project's traffic is generated during these two periods when people are going to and coming from work and school. As indicated previously, the proposed project is estimated to generate 28 trips during the morning (AM) peak hour and 34 trips occurring during the evening (PM) peak hour. The following assumptions can be made for the following intersections.

- *Tweedy Blvd./Legacy Ln.* This intersection will be used by all of the project's trips to exit or enter the project during the peak hour periods. The project will result in a total increase of 28 AM peak hour trips and 34 PM peak hour trips at this intersection. Some of the school commutes will be less because of the site's proximity.

BLODGETT BAYLOSIS ENVIRONMENTAL PLANNING

- *Atlantic Blvd./Tweedy Blvd.* This intersection will be used by all of the project's trips to exit or enter the project during the peak hour periods. Vehicles will either go northbound or southbound on Atlantic Boulevard or continue to travel on Tweedy. The project will result in a total increase of 28 AM peak hour trips and 34 PM peak hour trips at this intersection. According to the City of South Gate General Plan, this is an "Enhanced Intersection." This signalized intersection has a level of service (LOS) E for the AM peak hour and LOS D for the PM peak hour. The additional traffic from this project will not affect the LOS when considers the previous industrial uses that occupied the project site.
- *Atlantic Blvd./Wood Ave.* This intersection will be used by about 30% of the project's traffic. Vehicles will go northbound during the AM peak hour and southbound on Atlantic Boulevard during the PM peak hour. The project will result in a total increase of 9 AM peak hour trips and 11 PM peak hour trips at this intersection.

If you have any questions, I will be back in the office around 11:00 this morning.

Sincerely,

Marc Blodgett

PRINCIPAL & PROJECT MANAGER

ATTACHMENT I: Notice of Public Hearing

**CITY OF SOUTH GATE
CITY COUNCIL
NOTICE OF PUBLIC HEARING**

NOTICE IS HEREBY GIVEN that the City Council of the City of South Gate will hold a public hearing to consider approval of three (3) affordable housing waivers to provide relief from specific development standards required by the South Gate Zoning Ordinance. As permitted by Section 11.31.050 of the South Gate Municipal Code, incentives and waivers shall be adopted to maintain for no less 55 years, twelve (12) units with rents affordable to Low Income households in the Legacy Apartments project located at 10130 Adella Avenue, South Gate, California.

The item will be heard at the upcoming Regular City Council meeting as follows:

DATE OF HEARING: Tuesday, October 13, 2020

TIME OF HEARING: 6:30 pm

LOCATION OF HEARING: Members of the public wishing to observe the meeting may join through a Call-in Conference. For the updated Dial-In Number and Conference Code for the October 13th City Council meeting please visit the City's website at www.cityofsouthgate.org/AgendaCenter.

PROJECT LOCATION: The project site is located at 10130 Adella Avenue.

PROJECT DESCRIPTION: As permitted by South Gate Municipal Code Section 11.31.050, the developer of Legacy Apartments is requesting relief from the following specific provisions of the South Gate Zoning Ordinance through the adoption of three waivers.

Waivers:

- Eliminate Building Frontage Type Requirement (SGMC 11.23.080)
- Eliminate Private Open Space Requirements (SGMC 11.23.050)
- Replace required Outside Recycling Facilities with similar sized facilities within the Building (SGMC Section 11.25.080)

The relief described above will ensure that 15% of the units, 12 units in the Legacy Apartments complex, will be reserved for Low Income Households for a period of not less than 55 years. The Legacy Apartments complex will consist of two four-story courtyard buildings each with two rooftop plazas and three ground level courtyards to be used by the residents as common open space. At grade parking will be provided along the south and east property line.

ENVIRONMENTAL REVIEW: An Initial Study was prepared for the project. The Initial Study demonstrates that the proposed project qualifies for a Categorical Exemption under Section 15332 (Infill Exemption) of the California Environmental Quality Act (CEQA) Guidelines.

INVITATION TO BE HEARD: All interested persons are invited to the public hearing to be heard in favor of or in opposition to the proposed project or to provide comments. In addition, written comments may be submitted to the Community Development Department prior to the hearing. If you challenge the action taken on this proposal in court, you may be limited to raising only those issues you or someone else raised at the public hearing, described in this Notice, or in written correspondence delivered to the City of South Gate prior to or at the public hearing. Those desiring a copy of the staff report or further information related to this project should contact:

Contact: Erika Ramirez, Senior Planner
Phone: 323-563-9526
E-mail: eramirez@sogate.org
Mailing Address: Community Development Department
City of South Gate
8650 California Avenue
South Gate, CA 90280-3075

Joe Perez, Community Development Director

ESPAÑOL Información en Español acerca de esta junta puede ser obtenida llamando al 323-563-9514

Dated: September 28, 2020

**ATTACHMENT J: Letter from Applicant
Requesting Waivers**

July 12, 2020

Candida Neal
Planning Consultant
City of South Gate – Community Development
8650 California Avenue
South Gate, CA 90280

RE: LEGACY APARTMENTS – 10136 ADELLA AVENUE
DEVELOPER RESPONSE TO THE CITY OF SOUTH GATE'S
ADMINISTRATIVE PLAN REVIEW-ZONING COMPLIANCE ANALYSIS

Dear Candida,

We first want to acknowledge and thank you and the other City staff members for the time that has already been dedicated to our Legacy Apartments project. We believe we have worked together with the City on the conceptual design of what will become one of the finest multifamily projects within the City of South Gate. That being said, we are asking to use an incentive and ask for three concessions from the City as it relates to finalizing the design of our project.

SGMC Section 11.25.080 requires 1,248 sf of space for refuse and recycling facilities. Our project is proposing to dedicate 1,300 sf of area within the building to refuse and recycling facilities. Although this meets the space requirements, the City is also concerned with the transfer of bins to designated parking spaces on trash collection days. In order to alleviate this concern, we are proposing four parking stalls that are in close proximity to the refuse and recycling facilities be designated as guest parking. In order to still meet the City parking requirements. As we are providing 5% Affordable Housing within our project, we are entitled to one incentive as defined in California Government Code Section 65915. Therefore, we propose that the City accept our parking as an incentive to allow us to only assign 1 parking stall to four of our two-bedroom units, rather than the required 2 parking stalls per the SGMC.

That same SGMC Section 11.25.080 requires that recycling facilities be located outside of the buildings. Based on our design responding to other requirements within the SGMC, we are asking the City for a waiver to allow for similar required sized recycling facilities to be located within the buildings. Locating the recycling outside the building would reduce the area available for parking by 1,300 sf or approximately 7 parking spaces. This would have substantial financial impacts on our project.

SGMC Section 11.23.050 requires that the 50% of the units have a private open space area and a minimum of 36 sf with no dimension that is less than 6'. The code 11.23.050 also states open space must be dedicated to an individual unit and accessible directly from that unit. The city claims private open space is provided in the form of balconies, porches, patios, terraces or stoops. Assuming 50% of our project's 78 units provide the dedicated open space to each unit, at least 1,404 sf of rentable space would have to be removed from our project. At the projected \$31/sf of income, this would reduce the projected operating income by \$43,524. In addition, we would see an increase in cost of \$525,000 to add the balconies. These costs include the added framing, floor drains, plaster in-lieu of drywall

including exterior walls, lids and two sides of rail wall, sheet metal and flashings, electrical and lighting, scupper/emergency drain, swinging door and sidelight, waterproofing/traffic coating, clean-up, general conditions and fee. Rather than ignore this requirement, we are actually providing more private open space than is required (1,448 sf), however this open space would be private to all of the residents of our project, not dedicated to individual units. We would ask the City for a waiver in allowing us to provide the private open space sf required in the manner that we have described above.

Finally, the City believes our Initial design for the building frontage does not comply with South Gate Municipal Code (SGMC) Section 11.23.080. As discussed with the City, the non-compliance with the SGMC is driven by other design requirements we are following as well as implementing the requested security for this project. These changes would require redesign and could make the project financially infeasible. We would ask the City for a waiver in accepting our street elevations and frontage as designed.

As stated above, we have enjoyed and are very appreciative of the City's efforts to date to get us to this point of the approval process. We appreciate your consideration of our proposals above and are available for any further questions/discussions.

Sincerely,

David W. Mossman
AZTEC MUSTANG, LLC
Developer on behalf of:

Owner: 10130, LLC

**ATTACHMENT K: Email from Right Way
Express Inc.**

Erika Ramirez

Subject: RE: Legacy Apartments - Project at 10130 Adella Avenue

From: c f [<mailto:victoriaf150@gmail.com>]

Sent: Monday, September 28, 2020 12:13 PM

To: Erika Ramirez

Subject: Re: Legacy Apartments - Project at 10130 Adella Avenue

Hello Erika:

Thank you for responding with your update.

I would like to state that we are definitely in favor of the proposed project next to our property because it will not only continue to improve the area and meet the city's housing needs, but it will also detract from immediate homelessness, blithe and idle-area related crimes. The recent developments across from this project speak for the quality and inherent mutual needs envisioned by this developer, although they may not be exclusive. Let's make it happen!

Thank you for this opportunity to voice our stance.

I look forward to any information you can provide to keep us current in the project's progress.

Sincerely,

Victoria Fanale
818 259-8426c
Exec. V. P.
Right Way Express, Inc.
10111 Burtis St.
P. O. Box 4044
South Gate, CA 90280

RECEIVED

Item No. 7

OCT 7 - 2020

CITY OF SOUTH GATE
OFFICE OF THE CITY MANAGER

1:15pm

City of South Gate
CITY COUNCIL

AGENDA BILL

For the Regular Meeting of: October 13, 2020

Originating Department: Administration

City Manager: 
Michael Flad

City Manager: 
Michael Flad

SUBJECT: RESOLUTION EXTENDING THE LOCAL EMERGENCY AS A RESULT OF THE ONGOING CORONAVIRUS DISEASE 2019 PANDEMIC

PURPOSE: To extend the Local Emergency due to the ongoing Coronavirus Disease 2019 (COVID-19) pandemic.

RECOMMENDED ACTION: Adopt Resolution extending the Local Emergency within the City as a result of the ongoing Coronavirus Disease 2019 pandemic.

FISCAL IMPACT: None.

ANALYSIS: Considering the COVID-19 pandemic is still persistent and in the interest of public health and safety, the City’s Director of Emergency Services recommends that the City Council extend the Local Emergency. Adoption of the proposed Resolution will ensure authority to take necessary measures to protect and preserve public health and safety, including seeking aid from state and federal authorities as necessary.

BACKGROUND: On August 13, 2020, the City’s Director of Emergency Services issued a Proclamation extending the City’s Local Emergency due to infection rate increases, retroactively effective July 11, 2020. Thereafter on August 25, 2020, the City Council adopted Resolution No. 2020-32-CC extending the Local Emergency within the City as a result of the COVID-19 pandemic, retroactively effective July 11, 2020, to include the Local Emergency’s 60 day review from May 12, 2020.

On September 22, 2020, Governor Newsom announced the new four-tier color-coded system for tracking COVID-19 trends to determine when Counties can reopen businesses. In order to move out of a tier, there is a 21-day waiting period and there is currently not a green tier for the reopening of businesses in general.

Extending the Local Emergency is still necessary as the City still finds itself in a region that has seen COVID-19 infection rates to some of the highest in Los Angeles County. As of October 6, 2020, there are 4,569 COVID-19 cases in the City with 69 deaths, 271,371 COVID-19 cases in

Los Angeles County with 6,610 deaths, and 831,225 COVID-19 cases in California with 16,228 deaths.

Since the COVID-19 pandemic commenced, the City has been committed to stopping the spread within the community and continues to take a variety of precautionary steps to try to slow the spread of COVID-19 at City facilities. As a precautionary measure to protect the community and City employees, City Hall is still operating between 10:00 a.m. and 2:00 p.m., Monday through Thursday, by appointment only and all City services are continuously provided by phone and email.

City staff continues to be in contact with the CDC and the Los Angeles County Department of Public Health for updates on the spread of the COVID-19. The City's website provides essential COVID-19 information and hyperlinks to the Los Angeles County Department of Public Health, CDC, and Governor Newsom's Executive Orders. City updates and information regarding the Drive-Thru COVID-19 Testing Site at South Gate Park, as well as many other resources, are readily accessible on the homepage of the City's website, titled "COVID-19 Information" under "Featured Links."

City staff continues to monitor Governor Gavin Newsom's Executive Orders, and any related orders issued by the County of Los Angeles Department of Public Health, and will modify our policies and procedures accordingly.

ATTACHMENT: Proposed Resolution

RESOLUTION NO.

**CITY OF SOUTH GATE
LOS ANGELES COUNTY, CALIFORNIA**

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SOUTH GATE,
CALIFORNIA, EXTENDING THE LOCAL EMERGENCY WITHIN THE CITY
AS A RESULT OF THE ONGOING CORONAVIRUS DISEASE 2019 PANDEMIC**

WHEREAS, the City continues to find itself in a region that has seen COVID-19 infection rates to some of the highest in Los Angeles County and these trends have continued since the City's last review for need to continue the Local Emergency;

WHEREAS, on August 13, 2020, the City's Director of Emergency Services, issued a Proclamation extending the Local Emergency as a result of the COVID-19 pandemic infection rate increases to ensure authority to take measures necessary to protect and preserve public health and safety, including seeking aid from state and federal authorities as necessary, retroactively effective July 11, 2020;

WHEREAS, thereafter on August 25, 2020, the City Council adopted Resolution No. 2020-32-CC extending the Local Emergency within the City as a result of the ongoing COVID-19 pandemic, retroactively effective July 11, 2020;

WHEREAS, considering the upcoming flu season, on September 22, 2020, Governor Newsom announced the new four-tier color-coded system for tracking COVID-19 trends to determine when Counties can move forward with reopening businesses. The new four-tier color-coded system is as follows:

- Purple:** Represents counties with widespread COVID-19 cases having more than seven daily cases per 100,000 residents or positivity rate of more than 8%. Schools and most indoor nonessential businesses will remain closed in this category and only allows outdoor dining.
- Red:** Represents counties with substantial COVID-19 cases. Some nonessential businesses will remain closed. This category limits indoor dining at 25% of capacity or 100 dinners, whichever is fewer.
- Orange:** Represents counties with moderate COVID-19 cases having 1 - 3.9 daily new cases per 100,000 residents or positivity rate of 2 - 4.9%. This category limits indoor dining at 25% of capacity or 100 dinners, whichever is fewer.
- Yellow:** Represents counties with minimal COVID-19 cases having less than 1 daily new case per 100,000 residents or positivity rate of less than 2%. In this category most nonessential businesses may reopen with moderate modifications and indoor dining at 50% of capacity.

In order to move out of the above tiers, there is a 21-day waiting period. Currently there is not a green tier for the reopening of businesses in general.

WHEREAS, on October 6, 2020, Governor Newsom warned Californians to remain vigilant against COVID-19, cautioning matters could turn for the worse again as states across the country experience a small increase in COVID-19 cases;

WHEREAS, as of October 6, 2020, there are 4,569 COVID-19 cases in the City with 69 deaths, 271,371 COVID-19 cases in Los Angeles County with 6,610 deaths, and 831,225 COVID-19 cases in California with 16,228 deaths; and

WHEREAS, in the interest of public health and safety, the City desires to extend the Local Emergency within the City as a result of the ongoing COVID-19 pandemic.

NOW, THEREFORE, THE CITY COUNCIL FOR THE CITY OF SOUTH GATE DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1. After duly considering all the information presented by the Director of Emergency Services, the City Council hereby continues to find and resolve that there is a need to extend the Local Emergency within the City as a result of the ongoing COVID-19 pandemic.

SECTION 2. The City Council hereby declares and reaffirms:

1. A Local Emergency continues to exist throughout the City;
2. During the existence of said Local Emergency the powers, functions and duties of the emergency organization of the City shall be those prescribed by state law, by ordinances and resolutions of the City, as approved by the City Council;
3. During the existence of said Local Emergency, the City shall follow and impose all directives, mandates, Executive Orders and any other emergency related restrictions issued by the State of California and/or the County of Los Angeles, including any and all social distancing recommendation;
4. Should he deem it necessary, the Director of Emergency Services/City Manager is authorized to direct the immediate closure of City facilities (including City Hall) during normal business hours;
5. The Director of Emergency Services'/City Manager's purchasing authority is hereby increased to meet the needs of addressing this emergency;
6. The normal City goods and service procurement requests and purchase practices, including bidding requirements, are stayed during this period of emergency;
7. Purchases of items that are not budgeted are authorized to be purchased in order to respond during this period of emergency;

8. Authorizes all City officers and employees to take steps requested by the Director of Emergency Services/City Manager to qualify the City for reimbursement from the Federal Emergency Management Agency and for other state and federal relief as may be available to reimburse the City for the expenses it incurs in addressing this emergency;
9. Other actions deemed necessary by the Director of Emergency Services/City Manager to reasonably respond to the emergency and to effectively serve the community within the City;
10. The local emergency shall be deemed to continue to exist until its termination is proclaimed by the City Council of the City of South Gate;
11. City staff will continue to monitor Governor Gavin Newsom's Executive Orders, and any related orders issued by the County of Los Angeles Department of Public Health, and will modify the City's policies and procedures accordingly; and
12. As required by law, the City Council shall review the need to continue the state of emergency every sixty (60) days until this Resolution is terminated.

SECTION 3. The City Clerk shall certify to the adoption of this Resolution which shall be effective upon its adoption.

PASSED, APPROVED and ADOPTED this 13th day of October 2020.


CITY OF SOUTH GATE:

By: _____
Maria Davila, Mayor

ATTEST:

By: _____
Carmen Avalos, City Clerk
(SEAL)

APPROVED AS TO FORM:

By:  _____
Raul F. Salinas, City Attorney

RECEIVED

Item No. 8

OCT 6 - 2020

City of South Gate
CITY COUNCIL

CITY OF SOUTH GATE
OFFICE OF THE CITY MANAGER

1:55pm

AGENDA BILL

For the Regular Meeting of: October 13, 2020
Originating Department: Administrative Services

Department Director:


Jackie Acosta

City Manager:


Michael Flad

SUBJECT: RESOLUTION APPOINTING PAUL L. ADAMS AS INTERIM DIRECTOR OF COMMUNITY DEVELOPMENT AND APPROVING EMPLOYMENT AGREEMENT

PURPOSE: To adopt a Resolution appointing Paul L. Adams as Interim Director of Community Development and approving an Employment Agreement detailing the terms of this appointment.

RECOMMENDED ACTIONS:

- a. Adopt Resolution appointing Paul L. Adams as Interim Director of Community Development and approving Employment Agreement effective October 19, 2020; and
- b. Authorize the Mayor to execute the Employment Agreement in a form acceptable to the City Attorney.

FISCAL IMPACT: There is no impact to the General Fund. Funds are already budgeted in the Fiscal Year 2020/21 Municipal Budget for this position.

ANALYSIS: The Director of Community Development is a critical and key position in the City. Leaving this position vacant while a recruitment is conducted would have a negative impact on City operations.

BACKGROUND: The City's Director of Community Development, Joe Perez, resigned his position with the City, effective October 1, 2020. With the multitude of development projects in progress and a department of 22 full-time staff, it is critical that the position of Director of Community Development be filled on an interim basis while a recruitment process is underway. The City Manager has selected Paul L. Adams, recently retired Director of Parks & Recreation, to fill the Director of Community Development position on an interim basis. Mr. Adams has experience in Community Development operations having served as its Interim Director once before. In order to comply with CalPERS regulations regarding hiring retired annuitants, the City Council must adopt the attached proposed Resolution. Additionally, the proposed Employment Agreement setting forth the terms and conditions of Mr. Adams' interim appointment is attached for the City Council's approval.

ATTACHMENT: Proposed Resolution including Employment Agreement.

RESOLUTION _____

**CITY OF SOUTH GATE
LOS ANGELES COUNTY, CALIFORNIA**

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SOUTH GATE,
CALIFORNIA, APPOINTING PAUL L. ADAMS AS INTERIM DIRECTOR OF
COMMUNITY DEVELOPMENT AND APPROVING EMPLOYMENT AGREEMENT
EFFECTIVE OCTOBER 19, 2020**

WHEREAS, Government Code Sections 21221(h) and 7522.56 permit retired annuitants under the California Public Employees' Retirement System ("CalPERS") to be employed without reinstatement from retirement upon appointment by a governing body to fill a vacant position on an interim basis during the recruitment to permanently fill the vacant position;

WHEREAS, the City's former Director of Community Development recently resigned, such that the position is currently vacant;

WHEREAS, the City is currently conducting an open recruitment to permanently fill the position of Director of Community Development;

WHEREAS, as a CalPERS retired annuitant under Government Code Section 21221(h), Paul L. Adams possesses extensive experience as a City department director and prior work experience in the field of community development and possesses the specialized skill set to perform the required duties of Interim Director of Community Development and desires to perform the duties of, and assume responsibility for, the position of Interim Director of Community Development and acknowledges that such employment is at-will and of a limited duration for a definite period of time, as described below; and

WHEREAS, the City desires to hire Mr. Adams as an at-will, limited duration employee for the position of Interim Director of Community Development, which is a position that requires specialized skills, for a definite period of time, effective October 19, 2020.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF SOUTH GATE, CALIFORNIA, DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1. The City Council does hereby declare that the above recitals are true and correct and are incorporated herein by this reference.

SECTION 2. The City Council hereby approves the appointment of Paul L. Adams as the Interim Director of Community Development for the City of South Gate.

SECTION 3. The City Council hereby approves the Interim Director of Community Development Employment Agreement between the City of South Gate and Paul L. Adams, attached hereto as Exhibit "A".

SECTION 4. The Mayor is hereby authorized to execute the Employment Agreement on behalf of the City of South Gate.

SECTION 5. The City Clerk shall certify to the adoption of this Resolution which shall be effective upon its adoption.

PASSED, APPROVED and ADOPTED on this 13th day of October 2020.


CITY OF SOUTH GATE:

By: _____
Maria Davila, Mayor

ATTESTED:

By: _____
Carmen Avalos, City Clerk
(SEAL)

APPROVED AS TO FORM:

By:  _____
Raul F. Salinas, City Attorney

**EMPLOYMENT AGREEMENT
AS THE INTERIM DIRECTOR OF COMMUNITY DEVELOPMENT BETWEEN
THE CITY OF SOUTH GATE AND PAUL L. ADAMS**

This Employment Agreement as the Interim Director of Community Development ("Agreement") is made and entered into on October 13, 2020, and effective October 19, 2020, by and between the City of South Gate, a municipal corporation ("City") and Paul L. Adams ("Employee"). The City and Employee may be referred to individually as a "Party" or collectively as "the Parties."

RECITALS

WHEREAS, Government Code Sections 21221(h) and 7522.56 permit retired annuitants under the California Public Employees' Retirement System ("CalPERS") to be employed without reinstatement from retirement upon appointment by a governing body to fill a vacant position on an interim basis during the recruitment to permanently fill the vacant position;

WHEREAS, the City's former Director of Community Development recently resigned, such that the position is currently vacant;

WHEREAS, the City is currently conducting an open recruitment to permanently fill the position of Director of Community Development;

WHEREAS, the City anticipates that the Director of Community Development position will be filled with a permanent replacement within twelve (12) months after the effective date of this Agreement;

WHEREAS, as a CalPERS retired annuitant under Government Code Section 21221(h), Employee possesses extensive experience as a City department director and prior work experience in the field of community development and possesses the specialized skill set to perform the required duties of Interim Director of Community Development and desires to perform the duties of, and assume responsibility for, the position of Interim Director of Community Development and acknowledges that such employment is at-will and of a limited duration for a definite period of time, as described below;

WHEREAS, since retirement, Employee has not previously served as the Interim Director of Community Development for the City;

WHEREAS, the City desires to hire Employee as an at-will, limited duration employee for the position of Interim Director of Community Development, which is a position that requires specialized skills, for a definite period of time, effective October 19, 2020;

WHEREAS, pursuant to South Gate Municipal Code §1.06.060(C), the City Manager has the authority "[t]o appoint, promote, discipline, demote and remove any offices or employees of the city, except the city clerk, the city treasurer and the city attorney, . . ."; and

WHEREAS, the Parties wish to establish the terms and conditions of Employee's services to the City, as described in this Agreement.

NOW, THEREFORE, in consideration of the mutual covenants contained herein, City and Employee hereby agree as follows:

AGREEMENT

SECTION 1. TERM. The term of this Agreement shall commence on October 19, 2020, and shall automatically terminate on October 18, 2021 ("Term"). The City shall terminate this Agreement in accordance with Section 4(B) of this Agreement upon the City's appointment of a permanent replacement for the position of Director of Community Development. October 19, 2020, shall be Employee's "Hire Date" for purposes of this Agreement. In no event shall Employee work more than 960 hours per fiscal year during the Term. In the event Employee works 960 hours during the Term of this Agreement, then this Agreement shall terminate automatically.

SECTION 2. DUTIES, RESPONSIBILITIES AND WORK HOURS.

- A. Employee shall be appointed to the position of Interim Director of Community Development, the duties of which are set forth in South Gate Municipal Code Chapter 1.13 and in Exhibit "A" to this Agreement. Employee acknowledges that the position of Interim Director of Community Development requires specialized skills and expert professional services for a definite period of time, as described above in Section 1 of this Agreement.
- B. Employee acknowledges proper performance of the duties of Interim Director of Community Development will generally require Employee to observe normal business hours (Monday through Thursday, 7:00 a.m. to 6:00 p.m.) as well as work occasional time outside of normal office hours. Employee shall work under the direction of the City Manager. Subject to the Term as stated in Section 1 of this Agreement, Employee shall work the number of hours each week as directed and authorized by the City Manager.
- C. All data, studies, reports and other documents prepared and/or reviewed by Employee while performing his duties during the Term of this Agreement shall be furnished to, and become the property of the City, without restriction or limitation on their use. All ideas, memoranda, specifications, plans, procedures, drawings, descriptions, computer program data, input record data, written information and other materials either created by, or provided to, Employee in connection with the performance of this Agreement shall be held confidential by Employee to the extent permitted by applicable law. Such materials, without the prior written consent of the City Manager or his designee, shall not be used by Employee for any purpose other than the performance of his duties. Nor shall such materials be disclosed to any person or entity not connected with the performance of services under this Agreement, except as required by law.

SECTION 3. COMPENSATION AND BENEFITS.

- A. The City agrees to compensate Employee at the top step of the salary range for the Director of Community Development position, which is currently Fourteen Thousand Eight Hundred and Six Dollars (\$14,806.00) per month, to equal an hourly rate of Eighty Five Dollars and Forty Two Cents (\$85.42; \$14,806.00 divided by 173.333). That calculated hourly rate is simply to show compliance with CalPERS' requirements (Government Code Section 21221(h)) and not to be construed as designating the Director of Community Development position as hourly employment and anything other than salaried and exempt pursuant to the Fair Labor Standards Act ("FLSA").
- B. Employee shall not be eligible for any other benefits, incentives, compensation in lieu of benefits or any other forms of compensation.

SECTION 4. RESIGNATION/TERMINATION.

- A. Employee may resign at any time; provided, however, Employee shall reasonably provide the City Manager with at least two (2) weeks advance written notice.
- B. Employee is an at-will employee and serves at the will and pleasure of the City Manager and may be terminated at any time, with or without cause, and with or without notice. Employee expressly waives any rights provided for the Director of Community Development under the City's Personnel Rules, Municipal Code, or under other state or federal law to any other form of pre- or post-termination hearing, appeal or other administrative process pertaining to termination.
- C. In accordance with state law and the requirements of the California Public Employees' Retirement Law, Employee may not be reappointed to this position following the expiration of this Agreement, nor may this Agreement be modified to extend the term of the Agreement.
- D. After notice of resignation or termination, Employee shall cooperate with the City, as requested by the City, to effect a transition of Employee's responsibilities and duties and to ensure that the City is aware of all matters being handled by Employee.
- E. Employee shall not be entitled to severance pay and Employee expressly waives any and all rights with respect to severance pay.

SECTION 5. NOTICES. Notices required to be served pursuant to this Agreement shall be served in person or by first-class U.S. mail addressed as follows:

TO CITY:
City Manager
City of South Gate
8650 California Avenue
South Gate, CA 90280

TO EMPLOYEE:

Paul L. Adams

[Address on file with Human Resources]

SECTION 6. GENERAL TERMS AND CONDITIONS. The General Terms and Conditions of this Agreement are described as follows:

- A. Indemnification. To the extent mandated by the California Government Code, the City shall defend, hold harmless, and indemnify Employee against any tort, professional liability, claim or demand, or other legal action arising out of an alleged act or omission occurring in the performance of Employee's services under this Agreement. This section shall not apply to any intentional tort or crime committed by Employee, to any action outside the course and scope of Employee's employment, or any other intentional or malicious conduct or gross negligence of Employee.
- B. Entire Agreement. The text of this Agreement shall constitute the entire and exclusive agreement between the Parties. All prior oral or written communications, understandings or agreements between the Parties not set forth herein shall be superseded in total by this Agreement. No amendment or modification to this Agreement may be made except by a written agreement signed by the Employee and the Mayor and approved as to form by the City Attorney.
- C. Assignment. This Agreement is not assignable by either the City or Employee.
- D. Severability. In the event any provision of this Agreement is finally held or determined to be illegal or void by a court having jurisdiction over the Parties, the remainder of this Agreement shall remain in full force and effect unless the parts found to be illegal or void are wholly inseparable from the remaining portions of this Agreement.
- E. Effect of Waiver. The failure of either Party to insist on strict compliance with any of the terms, covenants or conditions in this Agreement by the other Party shall not be deemed a waiver of that term, covenant or condition, nor shall any waiver or relinquishment of any right or power at any one time or times be deemed a waiver or relinquishment of that right or power for all or any other time or times.
- F. Governing Law and Jurisdiction. This Agreement shall be governed by and construed in accordance with the laws of the State of California, which are in full force and effect as of the date of execution. Any action to interpret or enforce the terms of this Agreement shall be held exclusively in a state court in Los Angeles County, California. Employee expressly waives any right to remove any such action from Los Angeles County.
- G. Effective Date. This Agreement is effective October 19, 2020.

- H. Effect of Agreement on Employee's CalPERS Retirement Benefits. The City makes no representation on the impact, if any, this Agreement shall or may have upon Employee's CalPERS retirement benefits, status, duties and/or obligations. Employee acknowledges that in entering into this Agreement, he has not relied upon any such representations (none of which being in existence) in assessing the CalPERS-related impact of his employment. Therefore, Employee releases the City from any and all CalPERS-related claims or liabilities that may arise in connection with his employment pursuant to this Agreement.
- I. No Unemployment Insurance Benefits Received By Employee. Employee expressly certifies and warrants to the City that he has not received any unemployment insurance payments for retired annuitant work for any public employer within the 12 months prior to his appointment date.
- J. Compliance With 960 Hours Per Fiscal Year Limit. Employee further certifies and warrants to the City that he will not exceed the 960 hours per fiscal year limit pursuant to Government Code Section 21221(h), including work for any other CalPERS employer during the current fiscal year.
- K. Conflicts Prohibited. During the term of this Agreement, Employee shall not engage in any business or transaction or maintain a financial interest which conflicts, or reasonably might be expected to conflict, with the proper discharge of Employee's duties under this Agreement. Employee shall comply with all requirements of law, including but not limited to, Sections 1090, 1125 and 87100 *et seq.* of the Government Code, and all other similar statutory and administrative rules.
- L. Independent Legal Advice. The City and Employee represent and warrant to each other that each has received legal advice from independent and separate legal counsel with respect to the legal effect of this Agreement, or has at least had the opportunity to do so, that each has carefully reviewed this entire Agreement, that each and every term thereof is understood, and that the terms of this Agreement are contractual and not a mere recital. This Agreement shall not be construed against the Party or its representatives who drafted it or who drafted any portion thereof.
- M. Government Code §§ 53243 - 53243.4. Government Code §§ 53243 - 53243.4 sought to provide greater transparency in local government and institute certain limitations on compensation paid to local government executives. Those statutes also require that contracts between local agencies and their employees include provisions requiring an employee who is convicted of a crime involving an abuse of his/her office or position to provide reimbursement to the local agency. Those statutes are incorporated herein by reference. Accordingly, the Parties agree it is their mutual intent to fully comply with the cited Government Code sections and all other applicable law as it exists as of the date of execution of this Agreement and as such laws may be amended from time to time thereafter. Specifically, the

following Government Code sections are called out and hereby incorporated by this Agreement:

§53243. Reimbursement of paid leave salary required upon conviction of crime involving office or position.

§53243.1. Reimbursement of legal criminal defense upon conviction of crime involving office or position.

§53243.2. Reimbursement of cash settlement upon conviction of crime involving office or position.

§53243.3. Reimbursement of noncontractual payments upon conviction or crime involving office or position.

§53243.4. "Abuse of office or position" defined.

Employee represents he has reviewed, is familiar with and agrees to comply fully with each of these provisions if any of these provisions are applicable to Employee.

[Remainder of page left blank intentionally.]

IN WITNESS WHEREOF, the City of South Gate has caused this Agreement to be signed and executed on its behalf by the Mayor, City Attorney and duly attested to by the City Clerk, and the Employee has signed and executed two (2) copies of this Agreement.

CITY OF SOUTH GATE:


By: _____
Maria Davila, Mayor

Dated: _____

ATTESTED:

By: _____
Carmen Avalos, City Clerk
(SEAL)

APPROVED AS TO FORM:

By:  _____
Raul F. Salinas, City Attorney

EMPLOYEE:

By: _____
Paul L. Adams

Dated: _____

In signing this Agreement, Employee understands and agrees that he is an **at-will employee** and that his rights to employment with the City are governed by the terms and conditions of this Agreement rather than the ordinances, resolutions and policies of the City of South Gate which might otherwise apply to classified or other employees of the City. Employee further acknowledges that he was given the opportunity to consult with an attorney prior to signing this Agreement.

EMPLOYEE:

By: _____
Paul L. Adams

Dated: _____

City of South Gate
CLASS SPECIFICATIONS AND ATTRIBUTES

DIRECTOR OF COMMUNITY DEVELOPMENT

DESCRIPTION

Under the direction of the City Manager, the Director of Community Development plans, organizes and directs the activities of the Community Development Department to design and implement economic development and marketing strategies and programs that will attract, retain and expand the City's commercial, retail and business base, as well as manage and oversee the day-to-day operations of the housing, planning, code enforcement and building & safety activities of the City.

CLASS CHARACTERISTICS

The Director of Community Development is responsible for the management and direction of all community development, housing, planning, code enforcement, building & safety activities. The Director of Community Development is a member of the Executive Management Team of the City.

SUPERVISION RECEIVED

Works under the general administrative direction and supervision of the City Manager.

SUPERVISION EXERCISED

Exercises direct supervision over all divisions of the Community Development Department, including Code Enforcement, Building & Safety, Housing, and Planning.

ESSENTIAL FUNCTIONS

The following functions are typical for this classification. The incumbent may not perform all of the listed functions and/or may be required to perform additional or different functions from those set forth below to address business needs and changing business practices.

Assume full management responsibility for all department services and activities including planning, organizing and directing all internal support functions for all of the divisions within the Community Development department; recommend and implement policies and procedures.

Set goals and objectives consistent with City Council and Successor Agency policies and directives;

Assist new and existing businesses, developers and other public and private entities in the investment in or expansion of operations within the City;

Establish and administer the budget of the Community Development Department;

Prepare action plans and work schedules and ensure their timely implementation;

Direct the agenda and activities of all employees of the Department, including those responsible for City Planning, Code Enforcement, Building & Safety and Housing;

Evaluate or review evaluations of their performance against established goals and objectives; make all decisions regarding their hiring, discharge, discipline, promotion and transfer.

QUALIFICATIONS

Education and Experience

Any combination of education and/or experience that has provided the knowledge, skills, and abilities necessary. A typical way of obtaining the knowledge and abilities would be: graduation from an accredited college or university with a Bachelor's degree in public or business administration, urban planning, marketing, economics, or related field and two (2) years of professional management experience in directing economic development programs, preferably with a public or non-profit agency. Five (5) years of progressively responsible experience in directing activities similar to those described above may be substituted for the educational degree requirement.

License/Certification/Special Requirements

Possession of a valid California Class C Driver's License and a satisfactory driving record is required at time of appointment and throughout employment in this position.

Knowledge, Skills, and Abilities

Knowledge of: the demographics, economic and social concerns of the City, combined with effective management and administrative skills, including budget preparation and expenditure control, are also essential. Fluency in oral and written Spanish, in addition to English, is highly desirable.

Skill and Ability to: be an effective public speaker with the ability to present information to the City Manager, City Council, Successor Agency, commercial retail and business leaders and representatives; possess effective problem solving and reconciliation skills; be able to lead and motivate others, and to set manageable goals and objectives.

ADDITIONAL INFORMATION:

CALIFORNIA DEPARTMENT OF MOTOR VEHICLE (DMV) PULL NOTICE SYSTEM:

An incumbent appointed to this position is subject to enrollment in the California DMV Pull Notice Program. The Pull Notice program provides information on the incumbent's driving record and Driver's License status on a periodic basis to the City of South Gate. An employee assigned a City vehicle must acknowledge receipt and understanding of City Administrative Regulations covering the use of City vehicles.

PHYSICAL DEMANDS AND WORK ENVIRONMENT

The physical demands and work environment described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. While performing the duties of this job, the employee is frequently required to sit and talk or hear. The employee is occasionally required to walk; use hands to finger, handle, or feel objects, tools, or controls; and reach with hands and arms. The employee must occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision and the ability to adjust focus. The noise level in the work environment is usually quiet in the office and moderately loud when outdoors. Incumbents are not substantially exposed to adverse environmental conditions.

DIRECTOR OF COMMUNITY DEVELOPMENT
Created, 07/26/76
Revised, 09/09/03
Revised, 10/13/15

RECEIVED

Item No. 9

OCT 6 - 2020

City of South Gate

CITY COUNCIL

CITY OF SOUTH GATE
OFFICE OF THE CITY MANAGER

12:05pm

AGENDA BILL

For the Regular Meeting of: October 13, 2020

Originating Department: Parks & Recreation

Interim Director:

Steve Costley / vsy
Steve Costley

City Manager:

Michael Flad
Michael Flad

SUBJECT: AMENDMENT NO. 1 TO CONTRACT NO. 3153 WITH FIESTA DE CARNIVAL EXTENDING THE TERM OF THE CONTRACT FOR AN ADDITIONAL ONE YEAR

PURPOSE: To extend the current carnival vendor contract by one (1) year due to the loss of services in 2020 caused by the COVID-19 pandemic.

RECOMMENDED ACTIONS:

- a. Approve Amendment No. 1 to Contract No. 3153 with Fiesta de Carnival extending the Concession Agreement for the Production of Special Event Carnivals through December 31, 2021; and
- b. Authorize the Mayor to execute Amendment No. 1 in a form acceptable to the City Attorney.

FISCAL IMPACT: Prior year's revenue from the City's two events was \$29,156. There is no expectation that the revenues for the upcoming year will exceed last year's revenue. There may be a decrease in revenue due to the decrease in event attendance as a result of the COVID-19 pandemic.

ANALYSIS: None.

REPORT SUMMARY: On October 14, 2015, the City approved a five-year contract with Fiesta de Carnival for the Production of Special Event Carnivals at South Gate Park. Due to the worldwide COVID-19 pandemic, the 2020 production of both the Azalea Festival and the 4th of July Carnivals were cancelled. This amendment seeks to extend the current contract by one-year to make up for the fact that the vendor was not able to present either carnival due to the COVID-19 pandemic. All terms of Contract No. 3153 will remain in full force and effect.

ATTACHEMENTS: Amendment No.1 to Contract No. 3153
Contract No. 3153

**AMENDMENT NO. 1 TO CONTRACT NO. 3153
CONCESSION AGREEMENT FOR THE PRODUCTION OF SPECIAL EVENT
CARNIVALS BETWEEN THE CITY OF SOUTH GATE AND FIESTA DE CARNIVAL**

This Amendment No. 1 to Contract No. 3153, Concession Agreement for the Production of Special Event Carnivals ("Amendment No. 1"), is made and entered into on October 13, 2020, by and between the City of South Gate, a municipal corporation ("City"), and Fiesta De Carnival, a California sole proprietorship ("Contractor"). City and Contractor are sometimes hereinafter individually referred to as a "Party" and collectively as "Parties."

RECITALS:

WHEREAS, on October 14, 2015, the City Council approved Contract No. 3153 with Contractor ("Agreement") for Production of Special Event Carnivals for a five-year term through and including December 31, 2020; and

WHEREAS, the City and Contractor desire to execute Amendment No. 1 extending the term of the Agreement for an additional one-year term through and including December 31, 2021, due to the loss of services in 2020 caused by the COVID-19 pandemic.

NOW, THEREFORE, THE PARTIES HEREBY AGREE AS FOLLOWS:

1. MODIFICATION TO AGREEMENT.

8. TERM OF AGREEMENT. The term of the Agreement shall be extended by one (1) year through and including December 31, 2021, unless otherwise expressly extended and agreed to by both Parties in writing, or terminated by either Party as provided in the Agreement.

2. EFFECT OF AMENDMENTS.

Except as expressly amended herein, all other terms and conditions of Agreement shall remain in full force and effect. Without limiting the generality of the foregoing, Agreement shall remain unchanged during the term of Agreement as extended by Section 1 above.

[Remainder of page left blank intentionally.]

IN WITNESS WHEREOF, the Parties hereto have caused this Amendment No. 1 to be executed and attested by their respective officers hereunto duly authorized.

CITY OF SOUTH GATE:

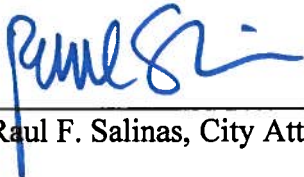
By: _____
Maria Davila, Mayor

Dated: _____

ATTESTED:

By: _____
Carmen Avalos, City Clerk
(SEAL)

APPROVED AS TO FORM:

By:  _____
Raul F. Salinas, City Attorney

FIESTA DE CARNIVAL:

By: _____
Ted Holcomb, President

Dated: _____

**CONCESSION AGREEMENT FOR THE
PRODUCTION OF SPECIAL EVENT CARNIVALS**

This AGREEMENT FOR THE PRODUCTION OF SPECIAL EVENTS CARNIVALS ("Agreement") is made and entered into this 14th day of October, 2015, by and between the City of South Gate, a municipal corporation ("City"), and Fiesta De Carnival, a California Sole Proprietorship ("Concessionaire").

RECITALS

- A. The City desires to obtain the services of a concessionaire to provide carnival services for specified City events for the City's park patrons on the terms and conditions herein set forth.
- B. Concessionaire warrants and represents that it is fully qualified and capable of providing carnival services by virtue of prior experience as owner of Fiesta De Carnival located at 11278 Los Alamitos Blvd #1101, Los Alamitos, CA 90720
- C. The carnival services are to be provided in certain geographical areas in South Gate Park which are more specifically described herein.

NOW THEREFORE, THE PARTIES HERETO AGREE AS FOLLOWS:

- 1. **PARTIES TO THE AGREEMENT** - The parties to this Agreement are:
 - A. The City of South Gate, a municipal corporation, having its principal office at 8650 California Avenue, South Gate, California 90280
 - B. Fiesta De Carnival, having its principal offices at 11278 Los Alamitos Blvd #1101, Los Alamitos, CA 90720.
- 2. **REPRESENTATIVES OF THE PARTIES AND SERVICES OF NOTICES** - The representatives of the parties who are primarily responsible for the administration of this Agreement, and to whom formal notices, demands and communications shall be given, are as follows:
 - A. The principal representative of the City shall be:

Paul Adams, Director of Parks & Recreation
Parks & Recreation Department
4900 Southern Avenue
South Gate, CA 90280
Email: padams@sogate.org
 - B. The principal representative of the concessionaire shall be:

Ted Holcomb
Fiesta De Carnival
11551 Weatherby Rd., Los Alamitos, CA 90720
Fax: 562.799.1443
Email: Tedhulk@msn.com

C. Formal notices, demands and communications to be given hereunder by either party shall be made in writing and may be affected by personal delivery or by mail.

D. If the name of the principal representative designated to receive the notices, demands or communications, or the address of such person, is changed written notice shall be given to the other party within five (5) working days of said change.

3. GRANT OF CONCESSION - The City hereby grants to the Concessionaire, upon the terms and conditions hereinafter set forth, the exclusive concession to produce and conduct certain special events in the City, at South Gate Park, for the period commencing on the effective date of this Agreement and continuing thereafter through December 31, 2020, unless sooner terminated in accordance with Section 8 hereof. Said special events shall consist of carnivals to be conducted in accordance with the terms and specifications of the proposal submitted by the concessionaire and made part of this agreement by its attachment hereto. Specifically, the carnivals shall be held in conjunction with the following City events:

A. The Azalea Festival (duration approximately 4 days, normally the third weekend of March); and

B. The Fourth of July Celebration (duration approximately 4 days of which one day will be the Fourth of July).

City shall annually notify Concessionaire as to the dates of the above-referenced City-sponsored activities as soon as they have been established.

4. ACCEPTANCE OF CONCESSION - The Concessionaire accepts said concession upon the terms and conditions stated herein and set forth within the Concessionaires proposal and agrees to accomplish the following prior to the exercise of any rights and privileges granted hereunder:

A. The Concessionaire shall obtain any and all permits or licenses that may be required by the City, State and County in connection with the operation of the concession. A meeting with all appropriate parties will be arranged prior to each event.

B. The Concessionaire shall ensure that each and every subcontractor engaged in producing a carnival shall obtain and maintain during the duration of the carnival workers' compensation insurance and employer's liability insurance with such limits as may be required

by law. Certificates evidencing such insurance shall be provided to the City.

- 1) Specifically related to any subcontractor who will be providing mechanical rides or attractions as a part of these events, a certificate of insurance meeting all requirements stated in Section 9 of this agreement shall be provided by the Attraction Operator naming both Fiesta de Carnival and the City of South Gate as additional insured minimum of 10 days before the scheduled event.
- 2) The City shall have, at its sole discretion, right of final refusal for any subcontractor who will be providing mechanical rides or attractions as part of these events. Prior to booking any such subcontractor, Concessionaire shall provide City with the name of the proposed vendor and a full and complete loss run on all insurances for the past five years.

C. The Concessionaire shall ensure that each and every subcontractor engaged in producing a carnival shall obtain and maintain during the duration of the carnival, and file with the City a policy or certification of public liability insurance with a combined single limit in the sum of not less than ten million (\$10,000,000) dollars, for carnival operations and one million (\$1,000,000) dollars for vendor booths, insuring itself and the City, its officers, agents and employees, against liability. Such policy shall be approved by the City Attorney as to form and shall provide that it will not be cancelled or terminated with at least thirty (30) days' prior written notice thereof delivered to the City

D. All service provided shall comply with current federal, state, and other laws relative thereto. Concessionaire further agrees that the services proposed comply with all applicable Federal and State Occupational Safety and Health laws, standards for regulations, and that Concessionaire will indemnify and hold the City harmless for any failure to so conform.

5 CONCESSION FEE - As consideration for the rights and privileges granted to Concessionaire hereunder, Concessionaire shall pay to the City the following amount in connection with each carnival conducted in conjunction with the City-sponsored activities referenced above:

- A. The sum of fifteen thousand (\$15,000) dollars for the Azalea Festival, and twelve thousand (\$12,000) dollars for the Fourth of July Celebration, or 25% of the gross proceeds from rides for the first eighty thousand (\$80,000) dollars of ride revenue and 30% of all ride revenue over eighty thousand (\$80,000) dollars, whichever amount is greater.
- B. In addition, Concessionaire shall pay a sum of fifty (\$50) dollars per game, ten (\$10) dollars per vendor booth after the first twenty (20) vendor booths and twenty-five (25%) percent of each sponsorship obtained by the Concessionaire.
- C. Said concession fee shall be paid to the City no later than one week following the conclusion of each carnival. Said fee shall be accompanied by a financial statement

disclosing all revenues received by the Concessionaire in relation to the Carnival and related events and activities.

6. CONCESSIONAIRE'S RIGHTS AND OBLIGATIONS

A. Concessionaire is an independent contractor and shall have no power or authority to incur any debt, obligation or liability on behalf of the City.

B. Each carnival conducted by the Concessionaire in conjunction with the two annual City-sponsored events shall include, at the minimum, the following:

- 1) Attractions
 - At least eighteen (18) quality rides, including at least three (3) "spectaculars,"
 - Ten (10) "majors," and five (5) "kiddy rides."
 - At least ten (10) professional games.
 - At least two (2) candy wagons
 - The sale of cotton candy, snow-cones, popcorn, candied apples, corn dogs, and non-alcoholic beverages.
- 2) Food vendors of sufficient number and variety to prevent service waits exceeding ten (10) minutes. All food services must have a current health permit.
- 3) Provide a community stage at least 24' x 48' with a sound system adequate to be heard from all points in the carnival area
- 4) Provide informational booths for local non-profit organizations as requested at least one week in advance at no charge.
- 5) The concessionaire shall provide ticket sellers in connection with rides and gate admissions, if applicable.
- 6) The concessionaire shall be responsible for trash pick-up within the carnival set-up area, with sufficient disposable refuse bins provided by the city.
- 7) The concessionaire shall provide a minimum of seven (7) portable toilets for use by carnival patrons within the designated carnival area.
- 8) The concessionaire shall provide temporary fencing as needed to secure the carnival area as determined by mutual agreement. In the event that the carnival has a fireworks display associated with it, the concessionaire shall provide adequate fencing to keep carnival participants out of the launch area.
- 9) The concessionaire shall provide security, both at the entry gates and within the carnival premises, at a level approved by the city.
- 10) The concessionaire shall provide a sound engineer for Azalea Festival Community Stage event and the 4th of July Fireworks Show.

C All food, beverages, confections, and refreshments sold or kept for sale shall be first class quality, wholesome and pure, and shall conform to state, county and municipal laws, ordinances, and regulations in all respects.

D. Concessionaire acknowledges that the sale and consumption of beer, wine and

other alcoholic beverages is prohibited by the South Gate Municipal Code in all City parks, including South Gate Park.

E. Concessionaire shall comply with all OSHA and CALOSHA safety procedures and rules. A copy of the Ride Operator's claim history for at least the past five years shall be provided for review by the City at least 60 days prior to each event.

F. In assuming responsibility and exclusive control over the operation of all rides and equipment, the concessionaire shall be responsible to provide skilled personnel, insuring their personal conduct, honesty, healthy, ability and personal appearance (including neat and clean uniforms bearing the name or logo of concessionaire)

G. At least 60 days prior to each event, the Concessionaire shall submit for approval to the City a proposed promotional plan for the upcoming event including draft versions of all major print promotional pieces. The promotional plan will shall have a minimum value of \$4,000 and include but not be limited to the following:

- 1) Concessionaire shall provide the City with a minimum of 2,000 flyers for distribution at City events and facilities. These flyers will be full color and professionally designed and shall be a minimum of 8.5" x 5.5". Flyers shall include both the carnival and the associated City event.
- 2) Concessionaire shall provide at least 500 full color posters. The Concessionaire shall be responsible for distributing and posting all posters within the City appropriately and in accordance with all City sign ordinance requirements. All posters shall be a minimum size of 11" x 17" and professionally designed.
- 3) Concessionaire shall provide the City with at least twelve professionally produced full color banners for use on the City's standard light pole banners. Specifications shall be provided by the City.
- 4) Concessionaire shall work with local media on behalf of the City to provide radio and newspaper ads and coverage for the carnival and associated events.
- 5) **All advertising materials and decorations for the 4th of July carnival shall be in a red, white and blue color scheme with patriotic elements clearly visible.**
- 6) All advertising materials and decorations for the Azalea Festival shall comply with the assigned color scheme and theme chosen for that year's event.
- 7) All advertising shall be either in English or may be bilingual in both English and Spanish. No Spanish only materials will be allowed.

H. The Concessionaire shall provide ticket sellers in connection with rides and gate admissions, if applicable. However, the City shall also have the right in its sole discretion, to provide additional personnel for the sale of ride tickets.

I. Concessionaire's personnel shall be satisfactory to the City as to their personal conduct, honesty, health, ability and personal appearance. Concessionaire's personnel shall, at all times be attired in neat, clean uniforms bearing the name or logo of the Concessionaire.

J. The Concessionaire shall be responsible for providing adequate personnel for the purpose of maintaining the carnival premises in a safe, clean and sanitary condition at all times. The carnival premises shall be restored by Concessionaire to neat and clean condition upon the conclusion of each carnival, and all equipment and other personal property owned or utilized by Concessionaire shall be promptly removed. Any injury or damage to the carnival premises including ball fields and turf, caused by such removal shall be repaired at the sole cost and expense of Concessionaire.

K. Concessionaire shall be provided with adequate space to stage equipment beginning at 6:00am one day prior to the carnival opening and until 4:00pm on the day following the last day of the carnival. Any additional time required for staging or parking vehicles or equipment shall be arranged with the City at least 30 days prior to the event and may require an additional fee at the sole discretion of the City. Any unauthorized parking of vehicles or equipment outside of the allotted schedule shall result in a fine of \$500 per day.

L. In the event that the Concessionaire or Ride Operator wish to house personnel on site during hours of non-operation, an "Overnight Camping Permit" must be obtained from the City. This requirement does not apply to security personnel who are assigned to patrol the carnival area during times of non-operation. Such security personnel must be appropriately uniformed and must be actively patrolling or monitoring the carnival area for security purposes while on City property.

An Overnight Camping Permit, if issued, shall include a fee of \$500 per night and shall stipulate all requirements related to such permit, including but not limited to the following.

- 1) All activity shall cease and all personnel and equipment remaining on the park shall be "quiet and dark" from one hour after close of operations to 6:00am the next morning.
- 2) Alcohol and drugs are not allowed on the park and may not be present, even within the confines of any portable housing or trailers provided in conjunction with an overnight permit.
- 3) Permittees who are allowed to stay on the park during hours of non-operation must comply with all park ordinances, rules and regulations.
- 4) Failure to comply with any of the above or any requirements stated in the overnight camping permit may result in the individuals being subject to citation, ejection from the park or arrest by the Police. Such violations may also result in a fine of at least \$500 per occurrence to the Concessionaire.

M. The Concessionaire shall provide security, both at the entry gates and within the carnival premises, at a level approved by the city. Concessionaire's plans for security protection shall be approved by the City not less than two (2) weeks prior to the commencement of each carnival. Concessionaire's security shall meet with representatives of the South Gate Police Department prior to each event to coordinate communications.

O. The Concessionaire shall make available to non-profit clubs and organizations "Sub-concession Booths" for each carnival. The rental fee of which shall be subject to advance approval of the city. Concessionaire shall provide not less than twenty (20 amps) amperes of power for each "Sub concession Booth", and any power requirements in excess of twenty (20 amps) amperes shall be subject to additional charges.

P. The Concessionaire will be responsible for obtaining all necessary permits and licenses, including Los Angeles County Health Department and Fire Department permits, for each event.

Q. Concessionaire shall be obligated to provide "Committee Booths", provided however, that the proposed locations for any such booths shall be provided by Concessionaire with power hook-ups and lights.

R. Concessionaire's principal representative shall be available at all reasonable times during the term of this Agreement to meet with representatives of the City, including any duly authorized committees, for the purpose of coordinating all plans, programs and events relating to the City-sponsored activities referenced above in Paragraph 3.

S. The operation of the concession granted pursuant to this Agreement, Concessionaire shall not discriminate against any person on the basis of race, religion, color, ancestry, sex or national origin.

T. The Concessionaire shall, at the City's request, provide a presale ticket program allowing local non-profit organizations as agreed upon by the Concessionaire to sell or distribute presale ticket packages as a fundraiser for that organization.

7. CITY'S RIGHTS AND OBLIGATIONS

A. City shall cause to be provided to Concessionaire, in connection with each carnival authorized hereunder, the following premises, facilities, utilities and services:

(1) A suitable location at South Gate Park on Tweedy Boulevard, having dimensions of approximately three hundred feet by three hundred feet (300' X 300'), which is level and supplied with water hook-up facilities. Said location shall be ready for occupancy by Concessionaire no later than two (2) days prior to the commencement of the carnival.

(2) A sufficient number of refuse disposal bins to handle the anticipated volume of waste paper, rubbish and debris. Such refuse disposal bins shall be provided no later than one (1) day prior to the commencement of the carnival.

(3) Sufficient personnel to maintain the South Gate Park premises, excluding the carnival premises occupied by Concessionaire, in a safe, clean and sanitary condition at all

times during the days of operation of the carnival.

B. City shall retain the right to sponsor and promote other and additional programs, events and celebrations relating to the activities identified above in Paragraph 3; provided, however, that such other and additional programs, events or celebrations will not commercially compete nor book any amusement rides, devices, air bounces or any other equipment related to the amusement industry. Additionally, the City will not book or locate any vendors in or near the designated carnival area without first contacting the Concessionaire for approval, which approval shall not unreasonably be withheld. The Concessionaire agrees that such prohibition does not extend to existing concession agreements that the city may be party to. All revenues derived from such other and additional programs, event and celebrations shall be and remain the exclusive property of the City.

C. City, and its authorized representatives, agents and employees, shall have the right to enter upon the carnival premises at any and all times during the term of this Agreement for the purposes of determining whether the Concessionaire is complying with the terms and conditions of this agreement, or for any other purposes incidental to the rights of the City relating to South Gate Park.

D. City, and its authorized representatives, agents and employees, shall have the right at all times during the term of this Agreement to inspect and to audit all books, records and accounts maintained by Concessionaire in connection with gross receipts derived from all rides, gate admissions and other matters specifically identified in Paragraph 5 above.

E. The City shall have final right of refusal for any stage act, activity, program or advertising that the Concessionaire shall use or subcontract with in relationship to this agreement.

8. TERM OF AGREEMENT

A. The term of this Agreement shall be for a period of five (5) years, from January 1, 2016, through December 31, 2020. At the conclusion of this five (5) year period, Concessionaire may request up to one (1), five (5) year extension if agreeable to both parties.

B. Notwithstanding the foregoing term, the City shall have the right, upon thirty (30) days advance written notice, to terminate this Agreement, with or without cause. In the event of a termination, with or without cause, the City shall not be obligated to pay for any additional sums or other direct, indirect, or consequential damages, including lost profits.

C. Either the City or the Concessionaire may request renegotiation of the financial terms of this agreement during the time period from August 1 to September 30 of any contract year.

9. INSURANCE AND INDEMNIFICATION

A. Insurance - Concessionaire shall obtain from insurers listed "A" or better in the Best's Insurance Guide and authorized to do business in the State of California insurance policies for not less than the following coverage and limits of insurance:

- 1) General liability insurance coverage in an amount not less than ten million (\$10,000,000) dollars for carnival operations and one million (\$1,000,000) dollars for vendors and other services.
- 2) Workers' compensation coverage as required by law and with employer's liability limits of at least \$1,000,000 per occurrence.
- 3) Comprehensive General Liability insurance as follows:
 - a) The automobile and comprehensive general liability policies may be combined in a single policy, provided that such policy shall have a combined single limit of not less than \$1,000,000, for injuries arising out of one occurrence, and \$500,000 for property damages.
 - b) If the Permittee allows the participation of children under the age of eighteen years, a policy including coverage of at least \$500,000 per occurrence for liability or claims related to molestation.
 - c) **An endorsement** extending coverage to "*the City of South Gate, its employees, officers and agents*" as an additional insured, in the same manner as the named insured, "*with respect to the liability arising out of the activities of the named insured and their use of City owned or operated facilities.*"
 - d) A clause specifying that such insurance shall be primary insurance as respects the interest of the City, and any other insurance maintained by the City shall be considered excess coverage and not contributing insurance with the insurance required hereunder.
 - e) A "Severability of Interest" clause stating that the insurance policy applies to each insured person as if each had a separate insurance.
 - f) A provision or endorsement stating that such insurance, subject to all of its other terms and conditions, cover the operations of the Permittee pursuant to the terms of the concession agreement issued.
 - g) As a condition precedent to ongoing or recurring uses, the Permittee shall maintain such insurance and shall provide to the City such subsequent certificates of insurance evidencing the continued maintenance of all required policies and endorsements throughout the term of such use.
 - h) The requirements as to the types and limits of insurance to be maintained by the Permittee are not intended to and shall not in any manner limit or qualify the Permittee's liabilities and obligations under their facility use Agreement.
 - i) Any policy or policies of insurance that the Permittee elects to carry as insurance against loss or damage to its equipment and other personal property used at a City facility shall include a provision waiving the insurer's right of subrogation against the City.
 - j) All of the Permittee's policies shall contain an endorsement providing that written notice shall be given to the City at least thirty (30) calendar days prior to cancellation of the policy for any reason.
 - k) The Permittee shall require any and all subcontractors to provide comparable insurance unless specifically covered under Permittee's policy.

B. Indemnification - Concessionaire hereby agrees to indemnify, defend and hold City harmless from and against any and all loss, claims, costs, expenses, liabilities and damages

which City may incur or suffer as a result of any act, or failure to act, by Concessionaire in connection with its performance of this Agreement.

C. **Loss of Income** - If it is necessary for any reason to preclude access to the service area herein designated, whether for reasons of repair, maintenance, improvement or alteration of the City's park facilities, or otherwise, Concessionaire assumes the risk of any loss of income or continuous expenses incurred, and shall relieve the City of all claims in regard thereto.

Concessionaire hereby expressly waives any and all claims for compensation for any and all loss or damage sustained by reason of any defect, deficiency or impairment of the water supply system, electrical apparatus or power supply furnished for the carnival premises covered by this Agreement which may occur from time to time from any cause, or for any loss resulting from malicious mischief, water, earthquake, fire, civil commotion or riot; and the Concessionaire hereby expressly releases and discharges the City, and its officers, agents and employees, from any and all demands, claims, actions, and causes of action arising from any of the aforesaid causes.

If the Concessionaire is prevented from exhibiting or operating any of its shows or attractions due to the act of God, terrorist, riot, strike, fire, war, lockout, weather (including rain-outs), or illegality, which also includes the unforeseeable denial of any permits by local authorities. Or if by law or act of the United States Government or the State of California or any political subdivision thereof, now or hereafter to be passed or adopted or if by any order of any branch of the U.S. Military or State Military, the regular ordinary course of business of the Concessionaire is curtailed, suspended, interrupted, or interfered with, the Concessionaire thereby would be prevented from carrying on its usual course of business in whole or in part, then this agreement at the option of either the Concessionaire or the City, shall become null and void (for only the event that was scheduled) and each party releases there from any deposits or guarantees made by the Concessionaire to the City. In the event of rain or in-climate weather on or during any day of the events, the assigned City Representative and Concessionaire agrees to discuss any financial losses that may have occurred due to weather conditions and make any monetary adjustments (if needed) to either the flat guarantee or percentages due to the City as per this agreement promised by the Concessionaire.

10. **NON-ASSIGNABILITY OF AGREEMENT** - This Agreement has been executed by the City and the Concessionaire based upon the special qualifications unique to Concessionaire. This Agreement, and all rights, benefits and obligations thereunder accruing to the Concessionaire shall not be assigned or transferred to any other persons, firm or entity without the express consent of the City.

11. **BINDING EFFECT** - The covenants and conditions herein contained shall apply to and be binding upon the successors and assigns of the parties hereto.

12. **ENTIRE AGREEMENT** - This Agreement represents the entire and integrated agreement between the City and Concessionaire and supersedes all prior negotiations, representations or

agreements, either written or oral. This Agreement may be amended only by written instrument executed by both City and Concessionaire.

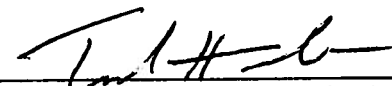
13. CITY'S RIGHT TO INSPECT - City reserves the right to inspect the equipment of the Concessionaire, and all premises utilized or occupied by Concessionaire, at all reasonable times, as determined by the Director, in order to assure full compliance with the terms and conditions of this Agreement.

14. ABANDONMENT OF EQUIPMENT - If Concessionaire abandons its duties and obligations under Agreement, and leaves equipment on or in the possession of the City, said equipment shall become the property of the City if Concessionaire fails or refuses to remove said equipment within five (5) days after receipt of City's notice of abandonment.

15. WAIVER OF BREACH - Waiver by either party of any single breach of this Agreement shall not be deemed to be a waiver of any breach of any other provision herein.

16. FOOD OF PATRONS PERMITTED - Nothing herein shall require the City to adopt any rules or regulations prohibiting park patrons from bringing their own food to any City park or have any impact upon the sale of food by other authorized vendors outside of the assigned carnival area.

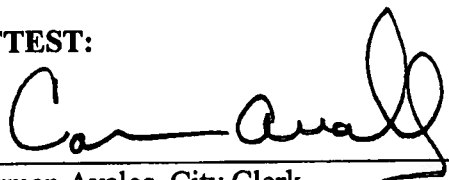
FIESTA DE CARNIVAL:

By: 
Ted Holcomb, individually and DBA
Fiesta De Carnival, a California sole proprietorship

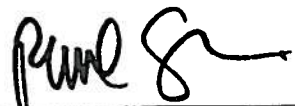
CITY OF SOUTH GATE:

By: 
Jorge Morales, Mayor

ATTEST:


Carmen Avalos, City Clerk
(SEAL)

APPROVED AS TO FORM:


Raul F. Salinas, City Attorney

RECEIVED

Item No. 10

OCT 6 - 2020

City of South Gate

CITY COUNCIL

CITY OF SOUTH GATE
OFFICE OF THE CITY MANAGER

4:50pm

AGENDA BILL

For the Regular Meeting of: October 13, 2020
Originating Department: Administrative Services

Department Director:


Jackie Acosta

City Manager:


Michael Flad

SUBJECT: PURCHASE ORDER TO MGT CONSULTING TO UPGRADE THE CITY'S CURRENT FIREWALL SYSTEM

PURPOSE: To approve the purchase of firewalls, installation services and maintenance with MGT Consulting. Firewalls are the devices that provide cybersecurity protection from Internet attacks and encryption on the City's computer network.

RECOMMENDED ACTION: Authorize the issuance of a Purchase Order to MGT Consulting, in the amount of \$102,736.15, for four (4) firewalls, firewall installation services and one (1) year of maintenance.

FISCAL IMPACT: Funds for this purchase, in the amount of \$100,000.00, were included in the approved Fiscal Year 2020/21 Municipal Budget in account number 522-310-12-9006 (Information Technology Fund – Technology Master Plan – Computer Equipment & Software).

ALIGNMENT WITH COUNCIL GOALS: Item No. 162 in the Fiscal Year 2019/20 Work Program is "Complete the Technology Master Plan." On January 28, 2020, the City Council accepted the Technology Master Plan (TMP) prepared by ClientFirst Technology Consulting, completing this work program item. However, now that the TMP has been completed, the work of implementing the 82 initiatives contained in the TMP continues. One of the key initiatives of the TMP is an upgrade of the City's firewalls.

ANALYSIS: Firewalls have become the most important cybersecurity device every agency deploys. Firewalls protect the City's internal computer network from attacks from the Internet and block malicious software, intrusion attempts and other attacks. Firewalls can also provide encryption services and act as a boundary between data networks that require different levels of security. The City's existing firewall(s) are Cisco ASA models and were installed in 2008. They have reached the end of their useful life and are no longer supported by the manufacturer.

Current generation firewalls receive daily updates of dangerous websites, new virus/malware signatures and limit access to the vast majority of these potential security compromises. The City's existing firewalls do not have these capabilities.

Expected benefits of the new firewalls include:

- Compliance with Federal and State Criminal Justice security policies
 - Additional separation of Criminal Justice systems from administrative systems
 - Encryption of Criminal Justice data across the City network
- Improved Internet security, reducing the threat of a successful cybersecurity attack
 - Improved website filtering for viruses and malware
 - Improved blocking of potential viruses and malware attached to email and websites
 - Better visibility into cybersecurity attacks
 - Ability to generate alerts and alarms for serious cybersecurity attacks
- Addition of an artificial intelligence engine that can detect “zero-day” vulnerabilities and prevent cybersecurity attacks
- Improved remote access for staff, increasing productivity
- Automatic updates reduce the need to “patch” the firewalls, reducing staff time required to manage them
- Vendor support 24 hours a day / 7 seven days a week / 365 days a year in the event of an attack or firewall failure
- Improved firewall management capabilities
- Increased visibility into cybersecurity probes and attacks
- Capability to increase bandwidth speeds and increase mobile worker efficiency

The Technology Master Plan (TMP) included firewall replacement as a high-priority project and recommended funding the project in Year 1 of the plan (which we did). Based on the expected cost of firewall equipment, installation and ongoing maintenance, the City issued a Request for Proposal for the recommended Firewall Upgrade. The City received three (3) responses and selected the lowest responsible bidder as the firm providing the firewalls, installation and maintenance at the best value to the City.

BACKGROUND: On January 28, 2020, the City Council accepted the Technology Master Plan (TMP) prepared by ClientFirst Technology Consulting. One of the key initiatives of the TMP is an upgrade of the City’s firewalls. Since that time, COVID-19 has dramatically increased the need for staff mobility and access to City systems from cellular phones, tablets and laptops in addition to traditional in-office desktop computers. In addition to firewall security features, the recommended firewalls provide improved remote access and mobility capabilities for staff.

The City’s TMP recommends replacing the existing Cisco ASA firewalls with current “next-generation” firewalls. The City information technology team researched available firewalls and standardized on Palo Alto firewalls. The City has procured one small Palo Alto firewall to resolve COVID-19-related Internet bandwidth issues and staff is extremely happy with the product.

Additionally, the South Gate Police Department must comply with the FBI Criminal Justice Information System (CJIS) Security Policy. This policy now states that all Criminal Justice-related traffic must be encrypted. Criminal Justice-related data network traffic crosses the network between Police Department Headquarters, the Park Sports Center and two Police off-site facilities. The CJIS policy also states that Criminal Justice information must be separated and secured from administrative networks. In preparation for this RFP, staff reviewed CJIS security standards and developed a firewall design to meet these standards and properly protect constituent data. CJIS compliance requires the City to implement a main firewall to secure the Internet and firewalls at each of the four sites that utilize Criminal Justice

information to properly encrypt CJIS data network traffic. The City will re-allocate a newer firewall that has remaining useful life to one of the Police off-site facilities.

If approved, implementation is expected to be completed in less than ninety days.

ATTACHMENTS: A. MGT Consulting Proposal

PROPOSAL

JULY 30, 2020



SUBMITTED BY:

TONY MARTINEZ

VICE PRESIDENT OF CYBER SECURITY &
TECHNOLOGY

MGT SACRAMENTO OFFICE
2251 HARVARD STREET SUITE 134
SACRAMENTO, CALIFORNIA 95815

813.454.8386
TMARTINEZ@mgtconsulting.com

FIREWALL UPGRADE

CITY OF SOUTH GATE, CALIFORNIA



TABLE OF CONTENTS

1. EXECUTIVE SUMMARY 1

2. COMPANY BACKGROUND AND EXPERIENCE 3

 MGT IN CALIFORNIA 4

 PAST PERFORMANCE 4

 COMMERCIAL MANAGED SERVICES CLIENTS 9

 MGT MANAGED SECURITY SERVICES 10

 VCISO SERVICES 11

3. TECHNICAL SOLUTION 15

 PROJECT UNDERSTANDING AND OVERVIEW 15

 MINIMUM REQUIREMENTS 19

 IMPLEMENTATION APPROACH 21

 PROJECT IMPLEMENTATION TIMELINE 25

4. PRICING 26

5. REQUIRED FORMS 31

I. EXECUTIVE SUMMARY

MGT Consulting Group (MGT) is one of the premier public sector consulting firms and recognized cybersecurity leaders committed to assisting state and local governments, healthcare organizations, school systems, and other public organizations in hardening their security posture. In business for more than 45 years, we are the ideal firm to support the City of South Gate and deliver a comprehensive firewall upgrade solution to meet your information security needs.

MGT brings a unique angle to our managed security services. Working hand-in-hand from day one with the City of South Gate Information Technology team, we will integrate with you to not only act as an extension of the team but become an augmented resource beyond just a standard cyber security partner. Whether it is working with our SOC taking deep dives into threat intel or getting a training on specific technical functions around hardware and software solutions, our deep bench allows us to help you become a security center of excellence.

Our focus on blending in and helping our clients harden their security posture through an approach that is simultaneously strategic and very hands-on tactical, allows us to not only bring the best vendor solutions to the City, but also work with the team to ensure optimal operation, while maximizing knowledge transfer back to the internal team.

Our firewall upgrade solution is tailored to blend perfectly with the City's current operating environment and existing security solutions. It leverages our staff of more than 100 certified network and security engineers, with specialized Palo Alto certified firewall specialists dedicated to the project. In establishing our solution, we will work closely as key advisors with the City security team to develop and continuously improve a security program that reflects your unique environment and requirements now and into the future while ensuring it blends with the overarching security plan.

Keys to Success:

- Over 100 certified network and security engineers ON STAFF, including Palo Alto certified firewall engineers dedicated to the project.
- Experience with large managed security environments.
- Speed-to-Remediate focus around new vulnerabilities/risks.
- On-going training and certifications in all major solutions to keep up with the latest updates in managed security solutions.
- Testing lab environment to recreate your environment as needed and perform continuous optimization and improvements or test new technologies.
- Focus on knowledge transfer back to the City to raise overall cyber security knowledge
- On-going support to work with City leadership in communicating security KPIs
- ISO 27001 certified and overall compliance experts

I. EXECUTIVE SUMMARY



In choosing MGT the City receives the benefits of a team with deep experience implementing firewall solutions and providing managed security services to large organizations, and a seasoned cybersecurity practice focused on the application of the key security best practices such as NIST CSF, 800-53, HIPAA, and the CIS Security Controls. We realize IT leaders in the public sector face multiple compliance requirements that can be very disruptive. Our virtual compliance officer approach helps bake compliance into your overall security strategy resulting in cost savings, and a hardened security posture.

Furthermore, with MGT, you benefit from a 45-year history of supporting local government and other public sector organizations. The breadth and depth of our experience enables MGT to provide a level of leadership and shared vision for the City's security future that no other firm can offer. Just a few of the advantages we bring to this engagement include:

Cybersecurity Leadership: We are cyber security leaders and NIST-CSF experts with proven experience helping organizations establish managed security services programs to harden their security profiles. Our security consultants' skills are validated by some of the industry's most demanding certifications.

Public Sector Expertise: We are focused on the public sector. Many of our senior consultants come from leadership roles in government organizations. They have experienced first-hand the challenges of meeting the technology and operational needs of the public sector workforce and the community. Our consultants know what it takes to work within the structure of government organizations to deliver real and lasting improvements.

Communications and Knowledge Transfer: We are distinguished in our commitment to complete knowledge transfer. Our goal in every security assessment project is to leave the client team better informed and better prepared for the future than they were when we arrived.

Project Management Excellence: We are project management gurus who have successfully completed more than 13,000 engagements of all sizes around the world. We have the experience the City needs to assimilate the requirements of leadership and stakeholders and coordinate the many technical and administrative resources required to ensure a successful firewall upgrade project.

Our proposed project director for this engagement, Tony Martinez, is a seasoned infosec leader and MGT's Vice President of Cyber Security and Technology. Mr. Martinez has more than 16 years of experience in public and private sector IS and IT, leading MSSP implementations, large-scale security risk assessments, penetration testing exercises, vCISO engagements and compliance projects. He is backed by a team of security professionals with extensive training and experience across the full breadth of cyber security competencies.

We trust that as you review the qualifications and work plans presented on the following pages you will agree that MGT can meet or exceed your firewalls upgrade requirements and offers the City the best overall value. If there are any questions or concerns regarding our qualifications, pricing, or the scope of our offering, we would be delighted to meet with you or answer written questions. You can reach Mr. Martinez directly at **813.454.8386** or tmartinez@mgtconsulting.com. We look forward to hearing of your decision in this selection process and hope to have the opportunity to help you ensure a safe, private, and secure environment for the employees of the City of South Gate and the community you serve.

2. COMPANY BACKGROUND AND EXPERIENCE

MGT is one of the nation's premier public sector consulting firms and recognized cyber security leaders committed to assisting state and local governments, colleges and universities, healthcare providers, and other public organizations in hardening their security posture.

Our team of more than 100 fully credentialed cyber security engineers stand ready to support the City with all of your information technology security consulting needs. In addition, our partner network of more than 40 vendors ensures we are always ready to provide the hardware and software to meet your requirements, quickly, competitively, and with top-tier expert support.

NATIONAL FIRM LOCAL FOCUS

CALIFORNIA

Sacramento | Pasadena

COLORADO

Denver

FLORIDA

Tallahassee | Tampa

KANSAS

Wichita

ILLINOIS

Chicago

MICHIGAN

Bay City

NORTH CAROLINA

Raleigh

OHIO

Columbus

TEXAS

Dallas

VIRGINIA

Richmond

WASHINGTON

Seattle



In business for more than 45 years, we have worked with thousands of public entities supporting improvements in every aspect of performance and organization. To meet the growing demand for information technology services, we have built a robust and dynamic cybersecurity practice focused on the application of the International Organization for Standardization (ISO) 27002 Standard, the National Institute of Standards and Technology Cybersecurity Framework (NIST CSF), the Health Insurance Portability and Accountability Act (HIPAA) and other related standards and frameworks. We have completed scores of technology implementations, security assessments, and cyber security plans for government agencies, institutions of higher education, school systems, health care providers and other organizations that handle sensitive protected information.

MGT has successfully delivered more than 13,000 projects through a careful balance of addressing the immediate needs of our clients, while maintaining the vision and direction toward their long-term goals and monitoring industry best practices.

2. COMPANY BACKGROUND AND EXPERIENCE



MGT IN CALIFORNIA

MGT is proud to have enjoyed a long history of successful consulting engagements with California state and local government agencies, institutions of higher education, school districts, businesses and other organizations. This firewall replacement project will be managed from our Sacramento office. We have completed more than 1000 projects for more than 500 California entities. Below is a listing of our California local government clients for your reference:

| | | | | | |
|-----------------------|--------------------------|------------------------|--------------------------|--------------------------------|--------------------------|
| County of Alameda | County of Napa | City of Anderson | City of Fremont | City of Oakland | City of Santa Clarita |
| County of Alpine | County of Nevada | City of Arcata | City of Fresno | City of Oceanside | City of Santa Cruz |
| County of Amador | County of Orange | City of Avalon | City of Galt | City of Orange | City of Santa Fe Springs |
| County of Butte | County of Placer | City of Avenal | City of Glendale | City of Oroville | City of Santa Monica |
| County of Calaveras | County of Plumas | City of Bakersfield | City of Hawthorne | City of Oxnard | City of Santa Rosa |
| County of Del Norte | County of Riverside | City of Baldwin Park | City of Hayward | City of Pacifica | City of Santee |
| County of El Dorado | County of Sacramento | City of Barstow | City of Healdsburg | City of Palo Alto | City of Saratoga |
| County of Fresno | County of San Benito | City of Bell Gardens | City of Hemet | City of Palos Verdes Estates | City of Seaside |
| County of Glenn | County of San Bernardino | City of Belmont | City of Hermosa Beach | City of Pasadena | City of South Pasadena |
| County of Horry | County of San Francisco | City of Berkeley | City of Huntington Beach | City of Pittsburg | City of South Lake Tahoe |
| County of Humboldt | County of San Joaquin | City of Beverly Hills | City of Inglewood | City of Pleasanton | City of Stockton |
| County of Inyo | County of San Mateo | City of Brentwood | City of Irvine | City of Pomona | City of Suisun City |
| County of Kern | County of Santa Barbara | City of Burbank | City of Irwindale | City of Porterville | City of Sunnyvale |
| County of Kings | County of Santa Clara | City of Burlingame | City of Jackson | City of Rancho Cordova | City of Sutter Creek |
| County of Lake | County of Santa Cruz | City of Camarillo | City of La Habra | City of Rancho Cucamonga | City of Taft |
| County of Lassen | County of Siskiyou | City of Carlsbad | City of La Mesa | City of Rancho Santa Margarita | City of Temecula |
| County of Los Angeles | County of Solano | City of Carpinteria | City of La Mirada | City of Redding | City of Tiburon |
| County of Madera | County of Sonoma | City of Ceres | City of Larkspur | City of Redlands | City of Torrance |
| County of Marin | County of Stanislaus | City of Chico | City of Lincoln | City of Redondo Beach | City of Tracy |
| County of Modoc | County of Sutter | City of Chula Vista | City of Livermore | City of Redwood City | City of Turlock |
| County of Mono | County of Trinity | City of Clovis | City of Lodi | City of Riverside | City of Union |
| County of Monterey | County of Tulare | City of Colton | City of Long Beach | City of Rockville | City of Union City |
| | County of Tuolumne | City of Concord | City of Los Altos | City of Rohnert Park | City of Vacaville |
| | County of Ventura | City of Corning | City of Los Angeles | City of Roseville | City of Vallejo |
| | County of Yolo | City of Corona | City of Manhattan Beach | City of Roseville | City of Visalia |
| | County of Yuba | City of Corte Madera | City of Manteca | City of Sacramento | City of West Covina |
| | City of Alhambra | City of Culver City | City of Martinez | City of Salinas | City of West Hollywood |
| | City of Aliso Viejo | City of Daly City | City of Marysville | City of San Buenaventura | City of Whittier |
| | City of Anaheim | City of Davis | City of Menifee | City of San Clemente | City of Woodland |
| | | City of Dublin | City of Merced | City of San Diego | City of Yuba |
| | | City of East Palo Alto | City of Mission Viejo | City of San Fernando | City of Yuba City |
| | | City of Eastvale | City of Modesto | City of San Francisco | Town of Atherton |
| | | City of El Monte | City of Monterey | City of San Jose | Town of Corte Madera |
| | | City of El Segundo | City of Moorpark | City of San Leandro | Town of Los Altos Hills |
| | | City of Encinitas | City of Moreno Valley | City of San Marcos | Town of Los Gatos |
| | | City of Fillmore | City of Murrieta | City of San Pablo | Town of Moraga |
| | | City of Fillmore | City of Napa | City of Sanger | Town of Tiburon |
| | | City of Folsom | City of Nevada City | City of Santa Ana | Town of Truckee |
| | | City of Fort Bragg | City of Newport Beach | City of Santa Barbara | Town of Windsor |
| | | City of Fortuna | City of Novato | City of Santa Clara | Town of Yucca Valley |

PAST PERFORMANCE

Listed below are some of MGT's recent engagements providing managed services, security assessment, penetration testing and other information technology services.

TRANSPORTATION CORRIDOR AGENCIES

24/7 SOC SERVICES: MANAGED DETECTION AND RESPONSE SERVICES

MGT has been selected by the Transportation Corridor Agencies to provide 24/7 SOC and NOC support with a focus on maintaining and securing their network infrastructure through our SOC on a continuous basis. Active management of TCA network security devices, (firewalls, intelligent switches, intrusion detection systems/devices) for proper configuration and operation 24/7.

2. COMPANY BACKGROUND AND EXPERIENCE



DALLAS-FORT WORTH AIRPORT

MANAGED SECURITY SERVICES

MGT provided comprehensive penetration testing for Dallas-Fort Worth Airport (DFW). MGT's testing probed the exploitable vulnerabilities of the airport's assets which include networks, Internet of Things devices and Industrial Control Systems (ICS) /Supervisory Control and Data Acquisition (SCADA) systems. Testing methodologies and procedures conformed to the NIST Special Publication 800-115 and met the Audit Requirement of International Organization for Standardization (ISO) 27001 and Payment Card Industry Data Security Standard (PCI-DSS). DFW is the fourth busiest in the world by aircraft movements and the fourteenth busiest airport in the world by passenger traffic.

RHODE ISLAND AIRPORT CORPORATION

IT CYBERSECURITY ASSESSMENT SERVICES

MGT is currently performing a comprehensive IT cybersecurity risk assessment of the Rhode Island Airport Corporation (RIAC) for both business functions as well as connected airport functions including security, airfield lighting, recording and baggage handling systems. The scope of services includes a thorough review of the current state of RIAC's information technology security, the identification of vulnerabilities, and the development of a mitigation plan with a prioritized road map of activities to harden RIAC's security posture and execute remediation activities successfully. RIAC is the quasi-public agency responsible for the design, construction, operation and maintenance of the six state-owned airports, and the supervision of all Rhode Island civil airports, landing areas, navigation facilities, air schools and flying clubs. The agency's network has approximately 200 users. The infrastructure to be assessed includes about 50 virtual servers and 20 physical services with about 16,000 internal IP addresses.

MICHIGAN – MULTIPLE COUNTIES

COUNTY-WIDE SECURITY RISK ASSESSMENT AND PENETRATION TESTING

MGT is conducting **NIST-CSF-based** security risk assessments and network and application penetration testing across many counties in the state of Michigan. (**Bay, Marquette, Macomb, Lapeer, Emmet, Cass, Lenawee, St. Joseph's, Oakland, Midland, Newaygo, Jackson, Saginaw, Cheboygan, Antrim, Grand Traverse, Lenawee, Leelanau, Oceana, Alcona, Van Buren Counties and more.**)

FLORIDA DEPARTMENT OF STATE

SECURING THE ELECTIONS PROCESS ACROSS THE STATE

MGT was selected by the Florida Department of State to work with Supervisor of Elections offices across the state to help harden their overall security postures and help implement the NIST CSF. This work involved a series of projects spanning assessments, policy and procedure creation, and more.

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

MANAGED SECURITY SERVICES

MGT has provided a wide range of comprehensive cyber security services for the Tampa Expressway authority, including a full assessment of their ICS environment to define the security posture of the infrastructure they manage. MGT's assessments span general security objectives, gap analysis and penetration testing. We developed final reports for the Authority that included road maps to address the identified gaps, recommending policies and procedures to be reviewed and prioritized recommendations for improvements in all parameters identified by the Authority as within scope.

2. COMPANY BACKGROUND AND EXPERIENCE



FLORIDA DEPARTMENT OF EDUCATION

STATEWIDE LONGITUDINAL DATA SYSTEMS PROJECT MANAGER

The Florida Department of Education contracted with MGT to provide project management for the Statewide Longitudinal Data System. Florida has over 2.6 million students, 4,200 K-12 public schools, 28 locally governed public state colleges and 47 school district technical centers. The Florida Department of Education, with the assistance of the State Longitudinal Data Systems federal grants, developed and implemented three technology tools, the Florida Education Identifier, Data Quality 2, and Business Intelligence Reporting.

CONNECTICUT – CAPITOL REGION COUNCIL OF GOVERNMENTS

NIST-CSF POLICY AND PROCEDURE DEVELOPMENT FOR OVER 100 MEMBER MUNICIPALITIES

MGT developed **NIST-CSF-based** policies and procedures for over 100 municipalities in the state of Connecticut as part of a state-wide effort to help government baseline to NIST standards.

CITY OF SCOTTSDALE ARIZONA CITY AUDITOR'S OFFICE

POLICE TECHNOLOGY SERVICES IT GENERAL CONTROLS AUDIT

MGT is currently assisting the City of Scottsdale City Auditor's Office in performing an audit of IT general controls over Police Technology Services. The audit scope encompasses assessment of key controls relating to the Scottsdale Police Department's IT operations, such as logical and physical security, system and antivirus update and patching, mobile device security, backup and recovery, and change management. The Police Department's technology group, which is staffed by 9 employees, supports departmental systems for more than 600 Police employees. The department also receives network, technology asset and infrastructure support from the City IT department.

COUNTY COLLEGE OF MORRIS, RANDOLPH, NEW JERSEY

SECURITY ASSESSMENT & PENETRATION TESTING SERVICES

MGT is currently performing security assessment and penetration testing services for the County College of Morris, a New Jersey community college offering more than 45 associate degree programs, along with a full slate of certificate and workforce development programs. Based on the NIST Cybersecurity Framework and other applicable standards, MGT's scope of work for this project includes vulnerability assessments, penetration testing, evaluation of policies and procedures, social engineering testing, wireless network testing, evaluation of the security of public facing web applications, and a review of the physical security effectiveness at multiple locations.

COLLEGE OF LAKE COUNTY, GRAYSLAKE, ILLINOIS

COMPREHENSIVE SECURITY ASSESSMENT

MGT is currently performing comprehensive security assessment services for the College of Lake County, a public community college in Grayslake, Illinois. The scope of work for this security assessment project takes place across four phases, each of which focuses on a specific target area: Perimeter/External Network; Internal Network/Wireless Infrastructure; CLC Applications; and Service Provider/Vendor Devices on the CLC Network.



COUNTY OF GRATIOT MICHIGAN, FRIEND OF THE COURT

INDEPENDENT SECURITY AUDIT

MGT performed an independent security audit for the Gratiot County Friend of the Court and Prosecutor's Office. The purpose of the audit was to determine the degree to which information system security controls are correctly implemented, whether they are operating as intended, and whether they are producing the desired level of security. The audit evaluated security against the security controls found in IRS publication 1075, NIST SP 800-53, and the Court's security policies and procedures.

WASHINGTON HIGHER EDUCATION COORDINATING BOARD

ASSESSMENT OF INSTITUTIONAL FACILITY & TECHNOLOGY CAPACITY

MGT contracted with the Washington Higher Education Coordinating Board (HECB) to conduct a project titled Assessment of Institutional Facility & Technology Capacity. The scope of the project was to assist the HECB by developing and helping conduct a collaborative process to assess the physical and programmatic capacity of higher education in Washington State and the role of electronic learning in meeting the goals of the ten-year Washington Strategic Master Plan for Higher Education.

COMMONWEALTH OF NORTHERN MARIANA ISLANDS, PUBLIC SCHOOLS

IT INFRASTRUCTURE ASSESSMENT 5 YEAR STRATEGIC PLAN

MGT is currently working with the Commonwealth of Northern Mariana Islands Public Schools to evaluate their entire IT infrastructure and operations. Key deliverables for this engagement include a full SWOT analysis of current IT services, infrastructure and operations, IT organizational capabilities, technology stack, and development of a 5-year strategic plan for the entire school system.

CITY OF SOLDOTNA, ALASKA

IT INFRASTRUCTURE ASSESSMENT 3 YEAR STRATEGIC PLAN

MGT is currently working with the City of Soldotna to evaluate their entire IT infrastructure and operations. Key deliverables for this engagement include a full SWOT analysis of current IT services, infrastructure and operations, IT organizational capabilities, technology stack, and development of a 3-year strategic plan for the City.

COUNTY OF RICHLAND RECREATIONAL COMMISSION, SC

IT INFRASTRUCTURE ASSESSMENT STRATEGIC PLAN

MGT is currently working with the County of Richland Recreational Commission to evaluate their entire IT infrastructure and operations. Key deliverables for this engagement include a full SWOT analysis of current IT services, infrastructure and operations, IT organizational capabilities, technology stack, and development of a 5-year strategic plan for the County.

GADSDEN COUNTY SCHOOLS, FLORIDA

TECHNOLOGY EVALUATION

MGT was contracted by Gadsden County Schools to conduct an administrative and instructional technology evaluation for the school district. MGT assessed the efficiency and effectiveness of hardware and software supporting the district business and instruction. The evaluation included the organizational structure supporting technology; user support; immediate and future need for technology enhancements; including infrastructure, applications, telecommunications, and web-related issues. In addition,

2. COMPANY BACKGROUND AND EXPERIENCE



technology acquisition practices, the long-range plan, policies and procedures along with the in-service requirements were also evaluated.

DAYTON PUBLIC SCHOOLS, FLORIDA

IT ASSESSMENT AND CONSULTING SERVICES

MGT partnered with JYG Innovations to provide IT assessment and consulting services to the Dayton Public Schools. The team evaluated the current Managed Information Technology Services (MITS) contract, multiple other agreements with vendors, and internally-managed DPS functions. Through interviews, document reviews, and detailed analysis and evaluations, the team assessed the IT capabilities and services provided by current contractors and staff, recommended upgrades to current capabilities, reviewed areas that were longer be required or could be eliminated in the future, and recommended methods to achieve the levels of service and support required to meet the school district's needs.

CITY OF ROSEVILLE

EXTERNAL, INTERNAL, AND WIFI AP PENETRATION TEST

MGT conducted external and internal penetration testing and wireless access point testing.

FAST TRACK URGENT CARE

HIPAA RISK ASSESSMENT

Fast Track is an urgent care group with 8 locations currently. MGT was engaged to perform a comprehensive HIPAA risk assessment and provide the associated assessment report with remediation guidance. While HIPAA compliance is an important milestone, we went above and beyond these requirements in order to guide them toward the most effective security posture for their needs.

BRAND FWD

HIPAA COMPLIANCE RISK ASSESSMENT

Brand FWD is considered a business associate under HIPAA and it was critical for them that their healthcare customers could verify they were meeting compliance standards. We performed a complete risk assessment using NIST as our baseline and revamped their risk management program to ensure their security posture was where it needed to be considering their involvement in the healthcare industry.

VITAL RECORDS CONTROL COMPANIES

PENETRATION TESTING SERVICES

MGT provided enterprise-level web application penetration testing and network penetration testing.

COMMERCIAL MANAGED SERVICES CLIENTS

| Client Name | Location of Deployment | Devices Installed/Supported | Quantity | Services Delivered | Execution Time Period | Number of Resources |
|--|------------------------------|----------------------------------|----------|--|-----------------------|---------------------|
| Macys (Retail Sector) | All over USA | Branch Series Firewalls | 820 + | Firewall Migration Services | 5 Months | 7 |
| Tupperware (Retail Sector) | All over NA, Europe and APAC | Branch and Data Center Firewalls | 160 + | Firewall Migration Services | 6 Months | 1 |
| Deutsche Bank (Banking & Financial Sector) | Jacksonville, FL | Enterprise Data center Firewalls | 800 + | Network and Security Services Lifecycle Management Services | 4 Years on going | 14 |
| Bank Hapoalim (Banking & Financial Sector) | New York and Chicago | Enterprise Data center Firewalls | 28 + | Firewall Upgrade and Implementation Services | 3 Years on going | 1 |
| HP Enterprise (Retail Sector) | Houston, Atlanta | Enterprise Data center Firewalls | 300 + | Firewall Upgrade and Support Services Lifecycle Management Services | 4 Years on going | 5 |
| Comanche County Memorial Hospital (Health Care Sector) | Lawton, OK | Firewall As A Service / MSSP | FWAAS | Managed Security Services | 2 Years On going | 2 |
| Phillips 66 (Oil & Gas Sector) | Bartlesville, OK | Branch and Data Center Firewalls | 200 + | Network and Security Services Lifecycle Management Services | 3 Years on going | 5 |
| Apple | Cupertino, CA | Firewalls Audit and Compliance | 1000 + | PCI Compliance and Network Security Remediation | 4 Years on going | 2 |

MGT MANAGED SECURITY SERVICES

As the burdens of maintaining cybersecurity operations and meeting regulatory compliance grow, more and more organizations are looking to outside firms to assist with their day-to-day security needs. MGT's Managed Security Solutions are specifically designed around the unique needs of governmental and other public sector entities. Our services are home roomed from the MGT Cyber Security Office where we monitor your critical systems for anomalous patterns and take immediate action whenever trouble is detected. MGT augments existing security staff to provide a level of coverage that would otherwise be impractical or unaffordable. Our security experts have broad experience, ongoing training and access to cutting edge tools and the world's most up-to-the-minute threat databases.

Tools

- Firewall Logs
- IPS Logs
- SIEM
- End Point Logs / AD Logs
- Live Monitoring
- Vulnerability Management
- Custom Scripts

Process

- Event Classification
- Triage
- Analysis and Prioritization
- Remediation and Recovery
- Assessments and Auditing
- NIST CSF Best Practices
- Compliance



Team (SOC & NOC)

- 100 + Cyber Security Professionals
- Experience Across all Environments
- Certified and Trained Experts
- All with Master's Degree or Higher

Threat Intelligence

- Behavioral Monitoring
- Broad Threat Intel Feeds
- Zero Day Threat Detection
- Cloud Intelligence
- Latest Malware and Ransomware Analysis
- Dynamic/Static Analysis
- Machine Learning

With managed detection and response services, threat analysts are working for you as soon as our system is installed. Our specialists investigate any alerts on your network, escalate real incidents to your attention, and help you eliminate the threat. Our security specialists will provide incident validation and immediate response capacity and will be readily available to assist you with resources in the remediation of small to medium level incidents.

- ◆ Conduct incident scoping.
- ◆ Determine the nature and origin of malware and the scope of intrusion.
- ◆ Provide comprehensive incident reporting.
- ◆ Provide real-time 24/7 monitoring.
- ◆ Provide real-time corrective actions or recommendations.
- ◆ Review all security relevant logs.

For larger incidents, our security specialists are trained and well versed in incident response and can begin work immediately collecting and preserving evidence and working on recovery operations. As a

2. COMPANY BACKGROUND AND EXPERIENCE



multidiscipline consultancy with experience across the full range of public sector endeavors, MGT has significant resources to bring to bear in managing a crisis at any level. We can work hand-in-hand with organizational leadership to help coordinate legal and media responses and coordinate a communications strategy to maintain and/or restore public confidence.

Our incident response services and protocols include:

- ♦ Collaborate with internal and/or outside legal counsel, public relations and crisis management firms.
- ♦ Ensure proper collection of evidence to protect chain of custody.
- ♦ Conduct data recovery and restoration.
- ♦ Recommend post-incident process or system changes.
- ♦ Provide executive summaries and executive level briefings.
- ♦ Perform incident analysis.
- ♦ Support CISO and internal audit staff with audit plans.
- ♦ Provide status reports and artifacts during an ongoing incident.

VCISO SERVICES



Add cyber security leadership and expertise to your executive team with MGT's Virtual Chief Information Security Officer (vCISO) services. MGT's vCISO services are specifically designed around the unique needs of governmental and other public sector entities. Our vCISO consultants are technology leaders and cybersecurity experts who are ready to join your executive team and bring our experience and broad perspective to your security decision making and implementation.

2. COMPANY BACKGROUND AND EXPERIENCE



An MGT vCISO can be the ideal solution to bring coherence to your organization's security program as you work to elevate your "cyber security IQ" and harden your systems against threats. Many public sector organizations operate with a complex mix of internal and third-party solutions but lack the key leadership to evaluate the security of those solutions and ensure they are protected by a robust cyber security framework. An MGT vCISO can step in and perform all the functions of a full time executive at a fraction of the cost. Regardless of the maturity of your current cyber security program, your MGT vCISO is ready to roll up their sleeves and get to work. They will initiate and oversee assessment and testing of your assets, establish or refine a cyber security strategy, build and maintain a Governance, Risk and Compliance (GRC) program, oversee personnel, contractors and vendors, and much more.

As one of the nation's leading public-sector consulting firms and recognized cyber security leaders, MGT is uniquely positioned to provide the full range vCISO and related consulting services. The diverse skills and backgrounds of our consultant teams enable us to offer clients a level of in-depth support for their cyber security programs that other firms simply cannot match.

POLICY DEVELOPMENT

In a crowded field of cybersecurity consulting firms, MGT stands apart in our vast experience and capabilities for supporting policy development and cybersecurity program improvement efforts. We are currently working with the Connecticut Region Council of Governments on an ambitious program to develop model NIST-based policies and procedures for more than 100 municipalities across the state. We are also working with the Florida Department of State to harden election security, an engagement that also involves extensive policy development and program improvement.

MGT's policy development methodologies are optimized for the public sector. Our approach builds on the insights gained from our decades of experience developing programs, policies and procedures for state and local government, higher education, public school systems and other public entities.

Our cybersecurity experts go beyond the boilerplate to work hand-in-hand with you to tailor a cybersecurity program that reflects the unique size, scope and mission of your organization. Our consultants review every aspect of your current operations and benchmark them against frameworks such as NIST-CSF and other established best practices. We assess the gaps in your program and work with you to put together a realistic plan to address those gaps and elevate your security posture.

CYBERSECURITY STRATEGIC ROADMAP AND FINAL REPORT

MGT's cybersecurity maturity model and strategic roadmap development approach is designed to meet the needs of state and local government organizations. The approach builds on the standards and best practices promoted by NIST, the Department of Homeland Security and various other government and industry groups. MGT brings substantial additional insight and value to these standards based on our decades of experience working with government teams to design and execute successful performance improvement plans.

The result is a methodology that identifies your organization's most critical needs, prioritizes those needs in a meaningful way, and sets out a detailed plan to meet those needs that is tailored to the unique structure and capabilities of your organization.



STRATEGIC PLANNING MAJOR ACTIVITIES

The typical MGT technology assessment and planning model includes the following major activities:

- ◆ Customize the strategic planning process.
- ◆ Engage key stakeholders (internal & external).
- ◆ Clarify the institution’s values, mission, vision, and purpose.
- ◆ Frame critical strategic issues.
- ◆ Identify specific strategic initiatives.
- ◆ Identify critical success factors.
- ◆ Assess current resources and future resource requirements.
- ◆ Evaluate emerging technologies against the organization’s future vision.
- ◆ Inventory the existing technology assets.
- ◆ Assess the technology service organization’s structure and staff model.
- ◆ Assess current and future programs and services.
- ◆ Formulate strategic goals.
- ◆ Link goals to the mission of the institution.
- ◆ Prepare strategic action plans.
- ◆ Align resources.
- ◆ Build a monitoring and evaluation plan for implementation.

THE FIVE PERSPECTIVE MATURITY MODEL

Analyzing the 11 IT functional areas with the five perspectives and applying the ratings rubric to that analysis enables us to assess the maturity of your organization’s IT operations in a consistent, rational fashion. The maturity ratings in turn guide us developing findings and recommendations that reflect the most urgent needs of your organization’s IT operations and therefore deliver the most value. The Five Perspective Maturity Model is shown below.

| | Reactive | Challenged | Managed | Optimized |
|--------------|---|---|--|--|
| Technology | No tools in place or tools are not standardized | Standard tools are in place to support automation, but they are ineffective, and workarounds exist | Standard tools are in place to support automation and have been consistently used | Technology improves user performance and adapts to changing business needs |
| Organization | Organizational structure is defined, but not aligned for effective service delivery | Organizational structure is defined and aligned for effective service delivery, but appropriate staffing, is not in place | Organizational structure is defined and aligned for effective service delivery with properly skilled staff | Organizational performance is evaluated, enhanced and rewarded based on defined objectives |
| Process | Processes are ad-hoc and non-repeatable | Processes are in place, but non-repeatable | Process are defined and repeatable | Processes are mature and managed |

2. COMPANY BACKGROUND AND EXPERIENCE



| | Reactive | Challenged | Managed | Optimized |
|-----------------------|----------------------------------|---|--|---|
| Strategy | No strategy or planning in place | Strategy is defined and communicated, however is not translated into actions | Strategy is executed according to plan | Strategy is continually aligned with business and managed |
| Service Levels | Performance not measured | Informal objectives established, but not communicated or effectively measured | Managing to agreed-upon service levels | Integrated reporting and on-going improvement |

3. TECHNICAL SOLUTION

PROJECT UNDERSTANDING AND OVERVIEW

| City of South Gate Requirement | MGT Solution |
|--|--|
| Professional Services expertise for PAN Implementation | MGT has over 100 Network Security Professionals on fulltime staff focused on Firewall services especially Palo Alto Networks with PCNSE Certified Engineers on latest PAN OS and we also have resources currently providing PAN Implementation services as “Resident Engineers” Directly to Palo Alto customers like New York Police Dept (NYPD) etc. |
| 8.3.1.1. The City’s firewall security practice is to implicitly deny communications unless explicitly permitted. The firewall solution implemented should maintain at least “99.99%” availability. An Active/Active solution is mandatory for high availability. | MGT adheres to City’s firewall security practice of implicitly denying communications unless explicitly permitted. MGT has proposed a pair of PA 3220 at each site for High Availability in an Active/Active solution yielding 99.99% availability with HA pricing Option. |
| 8.4.1. Support stateful protocol filtering, deep packet inspection, and detection of attacks within the payload | The Palo Alto Networks firewall is a stateful firewall with application inspection, meaning all traffic passing through the firewall is matched against a session and each session is then matched against a security policy while the application inspection does inspect payload of the packet for malicious content as well as restrict access to a certain subset of applications within the main category. |
| 8.5.1. Provide advanced application identification and control. | Palo Alto perform deep application inspection using Application Signature, SSL decryption, Application protocol decoding and Heuristics as identification techniques to determine the exact type of applications traversing the network—irrespective of port, protocol, evasive tactic. |
| 8.6.1. Support at a minimum 2 Gbps sustained throughput with Threat Prevention Throughput or Threat Protection Throughput, with the following features enabled: 8.6.1.1. Application ID 8.6.1.2. User ID 8.6.1.3. IPS | MGT shall enable and configure next generation features such as APP-ID, User-ID, IPS, Anti-virus, Anti-spyware and integrate with Active Directory to control user based access and protect against threats in real time as well as gain application visibility, user visibility, Data filtering and file blocking capabilities as well as remote access security. The antivirus engine detects and blocks viruses, spyware download, botnet, worms and trojans. Other protections include: |

3. TECHNICAL SOLUTION

♦ ♦ ♦

| City of South Gate Requirement | MGT Solution |
|--|---|
| <p>8.6.1.4. Antivirus</p> <p>8.6.1.5. Antispyware</p> | <ul style="list-style-type: none"> • Inline, stream-based protection against malware embedded within compressed files and web content • DNS-based botnet analysis to reveal rapidly evolving malware networks and malicious websites • Protection against HTML and malicious JavaScript • Leverages SSL decryption within App-ID to block viruses embedded in SSL traffic |
| <p>8.7.1. Per firewall, include a minimum of four (4) 10 Gbps multi-mode fiber Ethernet interfaces, a minimum eight (8) 100/1000 Mbps copper Ethernet interfaces. All ports will be compatible and work with the existing network equipment.</p> | <p>MGT shall design and implement network optimally utilizing the Fiber ports available for 10 Gbps throughput and also evaluate options for configuring Aggregate interface for increased throughput on the interfaces as well as creating high availability at layer 2</p> |
| <p>8.8.1. The proposed firewall solution must be extensible to accommodate the City's growing needs and keep up with higher throughput requirements.</p> | <p>The proposed PA3220 can scale up to 5 Gbps on Firewall throughput with application inspection enabled, 2.2 Gbps on Threat prevention and allow a maximum session of 1 Million. In the event City grows beyond this requirement, we can certainly provide options to upgrade with minimum interruption to the network</p> |
| <p>8.9.1. Provide a modular hot swappable (1+1 redundant) dual power supply.</p> | <p>MGT solution has Redundant Power Supply for all the new hardware provisioned.</p> |
| <p>8.10.1. Support Active/Active configuration mode for high availability.</p> | <p>MGT supports Active/Active HA and shall work with City to understand the need for Active/Active high availability and implement the right solution accounting</p> <ul style="list-style-type: none"> • Active-Active HA with Route Based Redundancy • Active-Active HA with Floating IP Address • Active-Active HA with ARP load sharing • Active-Active HA with Layer 3 <p>In an active/active configuration, we configure HA1, HA2 and HA3. HA3 is used for packet forwarding for asymmetrically routed sessions that require Layer 7 inspection for App-ID and Content-ID.</p> |
| <p>8.11.1. The proposed firewall solution should utilize solid-state hard drives (SSD), with sufficient storage to retain the operational data on the device.</p> | <p>MGT solution includes 240GB solid-state drive (SSD) on each PA3220 to store the PAN-OS system files, system logs, and network traffic logs.</p> |

3. TECHNICAL SOLUTION

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| City of South Gate Requirement | MGT Solution |
|---|---|
| 8.12.1. Must maintain user and application sessions when one of the firewalls fail. | MGT will setup HA with full application session synchronization such that Control Plane Synchronization Over HA1 link, Data plane Synchronization over HA2 Link to ensure Synchronization of Objects, Security Profiles, Network Profiles, Global Protect, Log Settings, Server profiles, local user database, HA, User-ID, App-id, anti-virus, anti-spyware, IPS, Decryption Settings, Session info, Wildfire, content id etc. |
| 8.13.1. Enable secure remote access to the authorized resources from inside and outside of the City's networks. | MGT shall configure Global Protect for Remote Access enabling secure access to remote users from outside of City's network including: <ul style="list-style-type: none"> • GlobalProtect Portal • GlobalProtect Gateway • GlobalProtect Client (For Windows and Mac Books both 32/64-bit clients) |
| 8.14.1. Must include integrated intrusion detection and prevention (IPS) function that offers advanced detection capabilities such as exploit signatures, protocol anomalies, application controls, and behavior-based detection. | MGT shall implement Palo Alto IPS configuration inline for effectively monitoring network traffic flows and prevent vulnerability exploits, malicious inputs to city's applications as well as prevent services that attackers use to interrupt and gain control of an application. IPS actions include: <ul style="list-style-type: none"> • Dropping the malicious packets • Blocking traffic from the source address • Resetting the connection • Signature-based detection and block • providing a layered defense, zero trust model with prevention at all points • User Behavior based detection |
| 8.15.1. IDS/IPS must be able to detect and prevent protocol misuse, malware communications, tunneling attempts, and generic attack types without signatures. | The solution includes IPS implementation that would address: <ul style="list-style-type: none"> • Comprehensive protection against known and unknown attacks – server-side, client-side, exploit kits and phishing – including those that use network evasion techniques • Broad visibility and granular control across your entire network • Automated threat intelligence to prevent successful attacks • Prevent tunneling of traffic with payload inspection |

3. TECHNICAL SOLUTION

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| City of South Gate Requirement | MGT Solution |
|---|--|
| | <ul style="list-style-type: none"> Malware protection through Anti-Virus, Anti-malware features |
| <p>8.16.1. Provide protection from zero-day attacks and unknown threats.</p> | <p>MGT Solution includes Wildfire protection configuration on Police Dept and City Hall which is cloud-based threat analysis service with industry's most advanced analysis and prevention engine for highly evasive zero-day exploits and malware. The service employs a unique multi-technique approach combining dynamic and static analysis, innovative machine learning techniques, and a groundbreaking bare metal analysis environment to detect and prevent even the most evasive threats.</p> |
| <p>8.17.1. Provide multiple security zones and interfaces to partition the data center networks into more manageable highly controlled network segments.</p> | <p>MGT shall review the current network and understand the requirements for zoning and would create zones while designing and implementing the firewalls.</p> |
| <p>8.18.1. Ability to create granular security policy definitions per Microsoft Active Directory user and security groups to identify, block or limit usage of applications and widgets like instant messaging, social networking, video streaming, VoIP, games, etc.</p> | <p>MGT proposes to integrate Palo Alto Firewalls with Microsoft's Windows Active Directory through LDAP. The new version of PAN-OS allows agentless authentication with Active Directory Domain controller; however, WMI settings (Windows Management Instrumentation) on the AD Domain Controller must be modified and MGT shall work with City to configure this. Leveraging AD integration MGT can help City to ensure there is granular control with Role based access and block the application usage including social networking like google apps, face book etc. along with video streaming and games categories of applications using URL filtering</p> |
| <p>8.19.1. Must seamlessly integrate with Active Directory to provide complete user identification and enable application-based policy definition per user and/or group.</p> | <p>MGT proposes to integrate Palo Alto Firewalls with Microsoft's Windows Active Directory through LDAP. The new version of PAN-OS allows agentless authentication with Active Directory Domain controller; however, WMI settings (Windows Management Instrumentation) on the AD Domain Controller must be modified and MGT shall work with City to configure this. Using AD integration City can leverage policy control options to restrict access per user and group level directly pulled from backend Active Directory.</p> |
| <p>8.20.1. There should be advanced user and application controls such as ability to expand</p> | <p>MGT shall integrate with Active Directory which shall allow expansion of user groups and domain names and</p> |

3. TECHNICAL SOLUTION

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| City of South Gate Requirement | MGT Solution |
|--|--|
| user groups, domain names as well as detailed user and application usage information in reports, logs, and statistics. | write custom rules based on the role and group assignments within active directory as well as run reports for user-based rule usage. |
| 8.21.1. Must offer adaptive real-time threat intelligence to improve firewall functions. | Enabling palo alto dynamic updates for signatures will enable protection in real time for applications and blocking Threats |
| 8.22.1. Hardware and software maintenance for each of the proposed solutions will be submitted for 24x7x4. | MGT has included Palo Premium Support Program - extended service agreement - 1 year with 24x7x4 support with 1 Hour response time commitment directly from Palo Alto for critical issues. Refer to below for details https://www.paloaltonetworks.com/services/solution-assurance/premium-support |

MINIMUM REQUIREMENTS

MGT Complies with all of the following requirements as presented in the RFP.

8.3. Read and Comply

8.3.1. The following is a list of requirements that the Firewalls must comply with:

8.3.1.1. The City's firewall security practice is to implicitly deny communications unless explicitly permitted. The firewall solution implemented should maintain at least "99.99%" availability. An Active/Active solution is mandatory for high availability.

The following requirements are mandatory. The proposed firewall solution must:

8.4. Read and Comply

8.4.1. Support stateful protocol filtering, deep packet inspection, and detection of attacks within the payload

8.5. Read and Comply

8.5.1. Provide advanced application identification and control.

8.6. Read and Comply

8.6.1. Support at a minimum 2 Gbps sustained throughput with Threat Prevention Throughput or Threat Protection Throughput, with the following features enabled:

8.6.1.1. Application ID

8.6.1.2. User ID

8.6.1.3. IPS

3. TECHNICAL SOLUTION

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8.6.1.4. Antivirus

8.6.1.5. Antispyware

8.7. Read and Comply

8.7.1. Per firewall, include a minimum of four (4) 10 Gbps multi-mode fiber Ethernet interfaces, a minimum eight (8) 100/1000 Mbps copper Ethernet interfaces. All ports will be compatible and work with the existing network equipment.

8.8. Read and Comply

8.8.1. The proposed firewall solution must be extensible to accommodate the City's growing needs and keep up with higher throughput requirements.

8.9. Read and Comply

8.9.1. Provide a modular hot swappable (1+1 redundant) dual power supply.

8.10. Read and Comply

8.10.1. Support Active/Active configuration mode for high availability.

8.11. Read and Comply

8.11.1. The proposed firewall solution should utilize solid-state hard drives (SSD), with sufficient storage to retain the operational data on the device.

8.12. Read and Comply

8.12.1. Must maintain user and application sessions when one of the firewalls fail.

8.13. Read and Comply

8.13.1. Enable secure remote access to the authorized resources from inside and outside of the City's networks.

8.14. Read and Comply

8.14.1. Must include integrated intrusion detection and prevention (IPS) function that offers advanced detection capabilities such as exploit signatures, protocol anomalies, application controls, and behavior-based detection.

8.15. Read and Comply

8.15.1. IDS/IPS must be able to detect and prevent protocol misuse, malware communications, tunneling attempts, and generic attack types without signatures.

8.16. Read and Comply

8.16.1. Provide protection from zero-day attacks and unknown threats.

8.17. Read and Comply

8.17.1. Provide multiple security zones and interfaces to partition the data center networks into more manageable highly controlled network segments.

3. TECHNICAL SOLUTION



8.18. Read and Comply

8.18.1. Ability to create granular security policy definitions per Microsoft Active Directory user and security groups to identify, block or limit usage of applications and widgets like instant messaging, social networking, video streaming, VoIP, games, etc.

8.19. Read and Comply

8.19.1. Must seamlessly integrate with Active Directory to provide complete user identification and enable application-based policy definition per user and/or group.

8.20. Read and Comply

8.20.1. There should be advanced user and application controls such as ability to expand user groups, domain names as well as detailed user and application usage information in reports, logs, and statistics.

8.21. Read and Comply

8.21.1. Must offer adaptive real-time threat intelligence to improve firewall functions.

8.22. Read and Comply

8.22.1. Hardware and software maintenance for each of the proposed solutions will be submitted for 24x7x4.

IMPLEMENTATION APPROACH

MGT shall assign US based **Palo Alto Certified engineers** for this project and a Technical project manager will be working to track the progress of the project and schedule meetings and provide updates to client from time to time.

MGT proposes the following approach to deliver the implementation services to City of South Gate.

INFORMATION GATHERING

- ❖ Build Implementation strategy and Roadmap
- ❖ Identifying key elements of migration
 - Site Survey/documentation of all sites in scope of migration
 1. City Hall
 2. Police Department
 3. PD-Offsite
 4. PD Substation
 5. Parks & Recreation

3. TECHNICAL SOLUTION

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- Firewall asset Inventory for registration and licensing
 - Defining Migration priorities and sequence
 - Developing cutover Schedule
 - Defining the process and roles
 - Defining performance metrics
 - Gather Stakeholder communication list
- ❖ Document any exceptions, sensitive or critical components from risk / security / operations standpoint.
 - ❖ Design Review and freezing the implementation plan.

PERFORM THE SITE MIGRATION

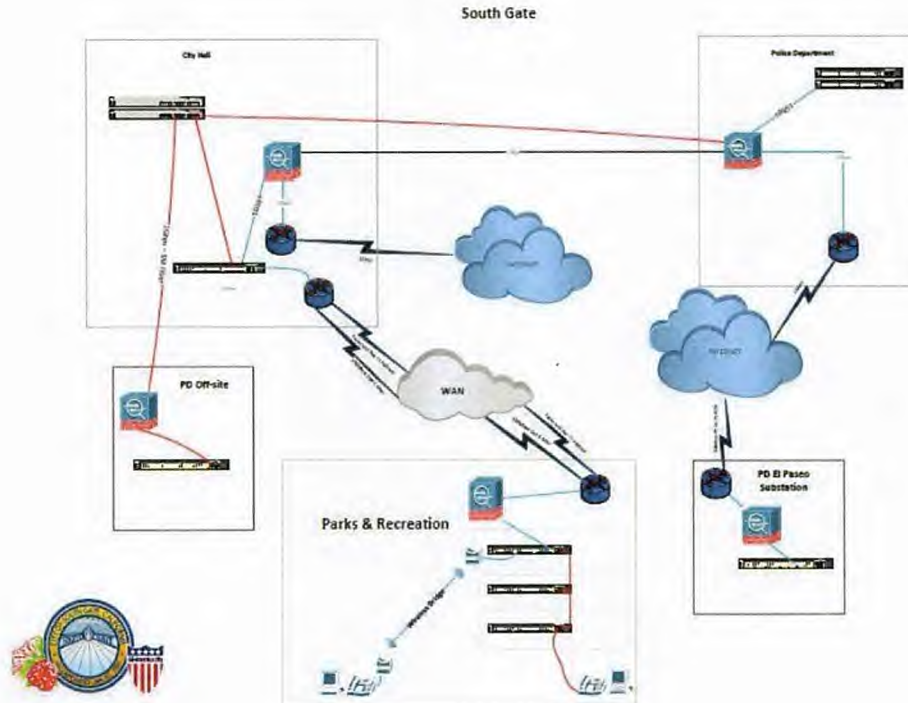
- ❖ Rack/Stack the Palo Alto firewalls at the respective site and verify power, cabling etc. Expect physical hands and eyes support from City of South Gate.
- ❖ Schedule Cutovers one site per each window (each window will be 2 to 4 hours depending on site) starting with least risky / impact site first and align validation team to validate before and after cutover.
- ❖ Ensure to communicate and request participation of all stakeholders in the cutover.
- ❖ Cutover the traffic to new Palo Alto devices site wise on scheduled window and validate connectivity by application owners
- ❖ Troubleshoot connectivity issues if any
- ❖ Prepare to roll back plan.
- ❖ Document any issues found or lessons learned and review with client.
- ❖ Get into regular meetings with Client and scheduled KT Sessions to go over the implementation plan and progress on regular basis.
- ❖ Implement the final State Diagram below as per RFP document

3. TECHNICAL SOLUTION



Future Network Diagram 2

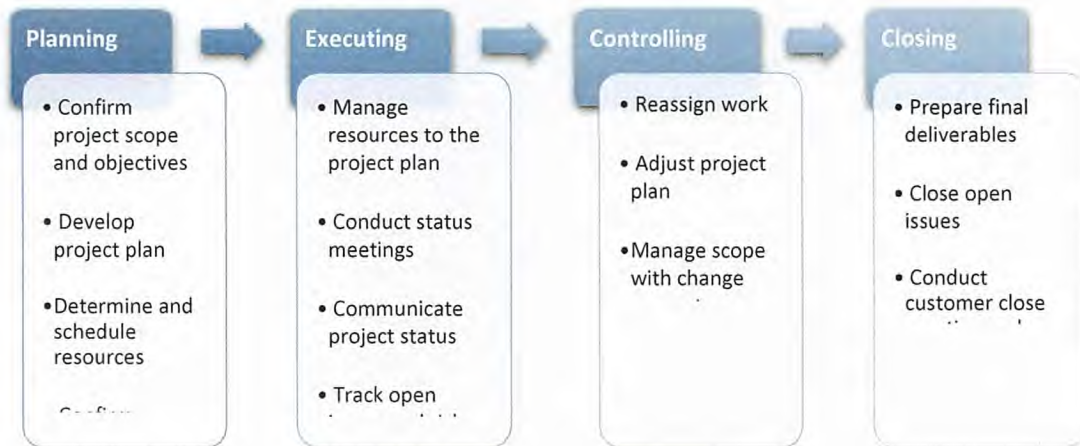
Diagram 2



PROJECT MANAGEMENT METHODOLOGY

This project will be managed using the MGT Project Management Methodology, which is based on the Project Management Institute's Framework, as follows:

3. TECHNICAL SOLUTION



- Develop and track detailed and integrated project work schedule and allocate resources against the schedule
- Responsible for steering the project to success working closely with the City
- Periodically appraises the project stake holders of the project progress and issues that require their attention
- Assigns tasks to the team, and review the progress of the tasks
- Periodically track and assess the project risks and develop plans to mitigate such risks
- Set project quality goals and review deliverables against these goals
- Set and monitor project budget and costs to ensure delivering the project within the budget

Continuously communicates the various project stake holders to align them towards set project goals.

3. TECHNICAL SOLUTION



PROJECT IMPLEMENTATION TIMELINE

MGT expects to complete this project in 12 Weeks subject to getting all the support needed from City of South Gate. In the event there is delay in response, there could be slight delay in cutover schedule.

| 12 Week Implementation Schedule to Migrate all Sites of City of South Gate | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|--|---|---|---|---|---|---|---|---|---|---|----|----|----|
| Discovery and Design | Review the Scope elements, Review the Design, Network, Topology | | | | | | | | | | | | |
| | Understand the requirements and solidify the Plan | | | | | | | | | | | | |
| | Identifying Stake holders and Communication Lists | | | | | | | | | | | | |
| | Understand any pain points and exceptions | | | | | | | | | | | | |
| | Review on Compliance needs from Federal, State and Local Govt requirements | | | | | | | | | | | | |
| | Timeline and Schedule Validation | | | | | | | | | | | | |
| | Finalize the Design and new architecture | | | | | | | | | | | | |
| Implementation | Review the current Configurations | | | | | | | | | | | | |
| | Ground up, Licensing, Palo Alto Registration | | | | | | | | | | | | |
| | Prepare for Firewall Platform - Policy and Objects, Virtual Systems, Networking, High Availability, Zones | | | | | | | | | | | | |
| | User-ID and its integration with Active Directory, User-to-IP mappings | | | | | | | | | | | | |
| | APP-ID review for Sanctioned and Non-Sanctioned applications | | | | | | | | | | | | |
| | URL Filtering - AD Integration, accessed content, high-risk sites, emerging attack protections | | | | | | | | | | | | |
| | Threat Prevention—antivirus, anti-malware, anti-spyware, data filtering, vulnerability protection, file blocking | | | | | | | | | | | | |
| | SSL Decryption | | | | | | | | | | | | |
| | GlobalProtect Configuration Review and network security for endpoints (remote access) | | | | | | | | | | | | |
| | Best Practices and Hardening on current Palo Environment | | | | | | | | | | | | |
| | Com up with Gap Analysis and address the issues during implementation | | | | | | | | | | | | |
| | Test and Validate the configurations | | | | | | | | | | | | |
| | Coordinate and execute cutover to Production | | | | | | | | | | | | |
| Troubleshoot | Provide Troubleshooting assistance as needed | | | | | | | | | | | | |
| | Work with Palo Alto Support Teams to provide required diagnostics and take the issue to resolution | | | | | | | | | | | | |
| Knowledge Transfer | provide Knowledge Transfer with Operations Personnel at City of South Gate | | | | | | | | | | | | |
| | Train the IT team with all the required knowledge to perform day to day operations and maintenance as well as troubleshooting | | | | | | | | | | | | |

4. PRICING

MGT has developed two pricing models for the City – both are included in this section. Option 1 delivers the Bill of Materials (BOM) as provided by the City in the solicitation documents. Option 2 provides the redundancy needed to achieve the High Availability objectives as defined in RFP Section 8.3.1.1.

4. PRICING
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OPTION I: PER CITY OF SOUTH GATE BOM

| Line# | Part Number | Description | Alternate Part Number | Alternate Description | Unit Cost | Quantity | Total |
|---------------------------------------|-------------------|--|-----------------------|-----------------------|--------------|----------|---------------------|
| City Hall | | | | | | | |
| 1 | PAN-PA-3220 | Palo Alto Networks PA-3220 - security appliance | | | \$ 11,524.00 | 1 | \$ 11,524.00 |
| 2 | PAN-PA-3220-TP | Palo Threat Prevention - subscription license (1 year) | | | \$ 2,678.00 | 1 | \$ 2,678.00 |
| 3 | PAN-PA-3220-URL4 | Palo PANdb URL Filtering - subscription license (1 year) | | | \$ 2,678.00 | 1 | \$ 2,678.00 |
| 4 | PAN-PA-3220-WF | WildFire - subscription license (1 year) | | | \$ 2,678.00 | 1 | \$ 2,678.00 |
| 5 | PAN-SVC-PREM-3220 | Palo Premium Support Program - extended service agreement - 1 year | | | \$ 2,710.00 | 1 | \$ 2,710.00 |
| 6 | PAN-PA-3220-GP | Palo GlobalProtect Gateway - subscription license (1 year) | | | \$ 2,678.00 | 1 | \$ 2,678.00 |
| 7 | PAN-PA-2RU-RACK4 | Palo Alto 4-Post Rack Mount Kit for PA | | | \$ 91.00 | 1 | \$ 91.00 |
| City Hall - Subtotal | | | | | | | \$ 25,037.00 |
| Police Department | | | | | | | |
| 8 | PAN-PA-3220 | Palo Alto Networks PA-3220 - security appliance | | | \$ 11,524.00 | 1 | \$ 11,524.00 |
| 9 | PAN-PA-3220-TP | Palo Threat Prevention - subscription license (1 year) | | | \$ 2,678.00 | 1 | \$ 2,678.00 |
| 10 | PAN-PA-3220-URL4 | Palo PANdb URL Filtering - subscription license (1 year) | | | \$ 2,678.00 | 1 | \$ 2,678.00 |
| 11 | PAN-PA-3220-WF | WildFire - subscription license (1 year) | | | \$ 2,678.00 | 1 | \$ 2,678.00 |
| 12 | PAN-SVC-PREM-3220 | Palo Premium Support Program - extended service agreement - 1 year | | | \$ 2,710.00 | 1 | \$ 2,710.00 |
| 13 | PAN-PA-3220-GP | Palo GlobalProtect Gateway - subscription license (1 year) | | | \$ 2,678.00 | 1 | \$ 2,678.00 |
| 14 | PAN-PA-2RU-RACK4 | Palo Alto 4-Post Rack Mount Kit for PA | | | \$ 91.00 | 1 | \$ 91.00 |
| Police Department (PD) Subtotal | | | | | | | \$ 25,037.00 |
| PD Off-Site 2 | | | | | | | |
| 15 | PAN-PA-3220 | Palo Alto Networks PA-3220 - security appliance | | | \$ 11,524.00 | 1 | \$ 11,524.00 |
| 16 | PAN-SVC-PREM-3220 | Palo Premium Support Program - extended service agreement - 1 year | | | \$ 2,710.00 | 1 | \$ 2,710.00 |
| 17 | PAN-PA-2RU-RACK4 | Palo Alto 4-Post Rack Mount Kit for PA | | | \$ 91.00 | 1 | \$ 91.00 |
| PD Offsite Subtotal | | | | | | | \$ 14,325.00 |
| Parks and Recreation | | | | | | | |
| 18 | PAN-PA-3220 | Palo Alto Networks PA-3220 - security appliance | | | \$ 11,524.00 | 1 | \$ 11,524.00 |
| 19 | PAN-SVC-PREM-3220 | Palo Premium Support Program - extended service agreement - 1 year | | | \$ 2,710.00 | 1 | \$ 2,710.00 |
| 20 | PAN-PA-2RU-RACK4 | Palo Alto 4-Post Rack Mount Kit for PA | | | \$ 91.00 | 1 | \$ 91.00 |
| Parks and Recreation Subtotal | | | | | | | \$ 14,325.00 |
| Hardware and Software Subtotal | | | | | | | \$ 78,724.00 |
| Installation (list below) | | | | | | | \$ 19,000.00 |
| Shipping | | | | | | | \$ 250.00 |
| Misc. Other | | | | | | | \$ - |
| Total | | | | | | | \$ 97,974.00 |

4. PRICING



OPTION I CONTINUED

| Item | Loc. | Equipment to be Installed and Configured | Qty | Install/Configure Unit Cost | Total Cost |
|------|----------------------|---|-----|-----------------------------|---------------------|
| | City Hall | PA-3220 Firewall | 1 | \$ 4,500.00 | \$ 4,500.00 |
| | Police Department | PA-3220 Firewall | 1 | \$ 4,500.00 | \$ 4,500.00 |
| | PD Offsite | PA-3220 Firewall | 1 | \$ 3,000.00 | \$ 3,000.00 |
| | PD El Paseo | City Hall PA-820 will be reconfigured and deployed at this site | 1 | \$ 4,000.00 | \$ 4,000.00 |
| | Parks and Recreation | PA-3220 Firewall | 1 | \$ 3,000.00 | \$ 3,000.00 |
| | | | | TOTALS | \$ 19,000.00 |

4. PRICING
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OPTION 2: HIGH AVAILABILITY (RECOMMENDED TO ACHIEVE 99.99 AVAILABILITY)

| Line# | Part Number | Description | Alternate Part Number | Alternate Description | Unit Cost | Quantity | Total |
|---------------------------------------|-------------------|--|-----------------------|-----------------------|--------------|----------|----------------------|
| City Hall | | | | | | | |
| 1 | PAN-PA-3220 | Palo Alto Networks PA-3220 - security appliance | | | \$ 11,524.00 | 2 | \$ 23,048.00 |
| 2 | PAN-PA-3220-TP | Palo Threat Prevention - subscription license (1 year) | | | \$ 2,678.00 | 2 | \$ 5,356.00 |
| 3 | PAN-PA-3220-URL4 | Palo PANdb URL Filtering - subscription license (1 year) | | | \$ 2,678.00 | 2 | \$ 5,356.00 |
| 4 | PAN-PA-3220-WF | WildFire - subscription license (1 year) | | | \$ 2,678.00 | 2 | \$ 5,356.00 |
| 5 | PAN-SVC-PREM-3220 | Palo Premium Support Program - extended service agreement - 1 year | | | \$ 2,710.00 | 2 | \$ 5,420.00 |
| 6 | PAN-PA-3220-GP | Palo GlobalProtect Gateway - subscription license (1 year) | | | \$ 2,678.00 | 2 | \$ 5,356.00 |
| 7 | PAN-PA-2RU-RACK4 | Palo Alto 4-Post Rack Mount Kit for PA | | | \$ 91.00 | 2 | \$ 182.00 |
| City Hall - Subtotal | | | | | | | \$ 50,074.00 |
| Police Department | | | | | | | |
| 8 | PAN-PA-3220 | Palo Alto Networks PA-3220 - security appliance | | | \$ 11,524.00 | 2 | \$ 23,048.00 |
| 9 | PAN-PA-3220-TP | Palo Threat Prevention - subscription license (1 year) | | | \$ 2,678.00 | 2 | \$ 5,356.00 |
| 10 | PAN-PA-3220-URL4 | Palo PANdb URL Filtering - subscription license (1 year) | | | \$ 2,678.00 | 2 | \$ 5,356.00 |
| 11 | PAN-PA-3220-WF | WildFire - subscription license (1 year) | | | \$ 2,678.00 | 2 | \$ 5,356.00 |
| 12 | PAN-SVC-PREM-3220 | Palo Premium Support Program - extended service agreement - 1 year | | | \$ 2,710.00 | 2 | \$ 5,420.00 |
| 13 | PAN-PA-3220-GP | Palo GlobalProtect Gateway - subscription license (1 year) | | | \$ 2,678.00 | 2 | \$ 5,356.00 |
| 14 | PAN-PA-2RU-RACK4 | Palo Alto 4-Post Rack Mount Kit for PA | | | \$ 91.00 | 2 | \$ 182.00 |
| Police Department (PD) Subtotal | | | | | | | \$ 50,074.00 |
| PD Off-Site 2 | | | | | | | |
| 15 | PAN-PA-3220 | Palo Alto Networks PA-3220 - security appliance | | | \$ 11,524.00 | 2 | \$ 23,048.00 |
| 16 | PAN-SVC-PREM-3220 | Palo Premium Support Program - extended service agreement - 1 year | | | \$ 2,710.00 | 2 | \$ 5,420.00 |
| 17 | PAN-PA-2RU-RACK4 | Palo Alto 4-Post Rack Mount Kit for PA | | | \$ 91.00 | 2 | \$ 182.00 |
| PD Offsite Subtotal | | | | | | | \$ 28,650.00 |
| Parks and Recreation | | | | | | | |
| 18 | PAN-PA-3220 | Palo Alto Networks PA-3220 - security appliance | | | \$ 11,524.00 | 2 | \$ 23,048.00 |
| 19 | PAN-SVC-PREM-3220 | Palo Premium Support Program - extended service agreement - 1 year | | | \$ 2,710.00 | 2 | \$ 5,420.00 |
| 20 | PAN-PA-2RU-RACK4 | Palo Alto 4-Post Rack Mount Kit for PA | | | \$ 91.00 | 2 | \$ 182.00 |
| Parks and Recreation Subtotal | | | | | | | \$ 28,650.00 |
| Hardware and Software Subtotal | | | | | | | \$ 157,448.00 |
| Installation (list below) | | | | | | | \$ 22,000.00 |
| Shipping | | | | | | | \$ 325.00 |
| Misc. Other | | | | | | | \$ - |
| Total | | | | | | | \$ 179,773.00 |

4. PRICING



OPTION 2 CONTINUED

| Item | Loc. | Equipment to be Installed and Configured | Qty | Install/Configure Unit Cost | Total Cost |
|------|----------------------|---|-----|-----------------------------|---------------------|
| | City Hall | PA-3220 Firewall | 2 | \$ 5,500.00 | \$ 5,500.00 |
| | Police Department | PA-3220 Firewall | 2 | \$ 5,500.00 | \$ 5,500.00 |
| | PD Offsite | PA-3220 Firewall | 2 | \$ 3,500.00 | \$ 3,500.00 |
| | PD El Paseo | City Hall PA-820 will be reconfigured and deployed at this site | 2 | \$ 4,000.00 | \$ 4,000.00 |
| | Parks and Recreation | PA-3220 Firewall | 2 | \$ 3,500.00 | \$ 3,500.00 |
| | | | | TOTALS | \$ 22,000.00 |

5. REQUIRED FORMS



Request for Proposals for Firewall Upgrade

- 17.1. The Owner has the right to inspect services for conformity to specifications. The Owner will give the Contractor, upon dissatisfaction of any service rendered for the Agreement, a reasonable period of time to rectify the situation.
 - 17.2. If the Contractor has not rectified the situation after the reasonable time period, the Owner may terminate this Agreement by giving thirty (30) days written notice. Notice may be given personally or by registered mail. Only an amount due for completed service, will be paid to the Contractor at the cancellation date.
 - 17.3. Failure of either party to enforce a provision(s) of this Agreement, is not a waiver of the provision(s), or the right of either party to enforce the provision(s).
 - 17.4. The Agreement constitutes the entire contract between the parties. An understanding or obligation not contained in the Agreement, is not binding upon them.
 - 17.5. No waiver, alteration, or modification of any provision is binding on the parties, unless reduced to writing and signed by an authorized agent of the Owner and Contractor.
 - 17.6. Changes in specifications, or explanations and statements, that a bidder wishes to make, must be attached to the affected bid document. Otherwise, it is understood that the bid is in strict accordance with specification requirements.
 - 17.7. Bids are final and irrevocable. No bid will be amended/corrected due to error or miscalculation.
 - 17.8. Bids will state the nature and period of all warranties or guarantees provided.
 - 17.9. The Owner has the right to reject any bid not suitable for the purpose for which it is intended.
- 18. Required Forms**
- 18.1. To be considered, the Proposer must fully complete the Specific Bidder Information below, which includes the following. Do not leave unfilled blanks where a response is indicated.
 - 18.1.1. Statement of Proposer
 - 18.1.2. Anti-Collusion Affidavit of Compliance
 - 18.1.3. Proof of Insurability
 - 18.1.4. Reference Table
 - 18.1.5. Acknowledgments
 - 18.1.6. Acknowledgment of Receipt of Any Issued Addenda
 - 18.1.7. Authorization
 - 18.2. An incomplete, inaccurate or misleading response will result in disqualification. An authorized officer of your firm must sign all responses. Responses are to conform to the given formats.
- 19. Specific Bidder Information**
- 19.1. Statement of Proposer. I have examined the specifications and instructions included herein and agree, provided I am awarded a contract within 90 days of the response due date, to provide the specified items and/or services or work as described in the specifications and the instructions for the sum shown in accordance with the terms stated herein. All deviations from specifications and terms are in writing and



Request for Proposals for Firewall Upgrade

attached. This authorization also certifies vendor compliance with all applicable State and Federal laws.

Name of Firm: **MGT of America Consulting, LLC**

Address: **2251 Harvard St., Ste. 134**

City, State, Zip: **Sacramento, CA 95815**

Principle Officer: **Fred Seamon**

Partnership or Corporation Under State Laws Of: **California**

Authorized Signature: *Fred Seamon*

Title: **Executive Vice President**

Person to Contact Regarding This Bid: **Tony Martinez**

Phone Number: **813.454.8386**

19.2. Anti-Collusion Affidavit of Compliance

19.2.1. **Fred Seamon**, being first duly sworn, deposes and says:
(print name)

that he/she is **Executive Vice President** of **MGT of America Consulting, LLC**
(owner, president, partner, etc.) (name of company)

the party making the foregoing Proposal, that this Proposal is genuine and not collusive or sham; that Contractor has not colluded, conspired, connived or agreed, directly or indirectly, with any person, to put in a sham Proposal or to refrain from bidding, and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference with any person, to fix the price element of said Proposal or that of any other proposer, or to secure any advantages against any other proposer or any person interested in the proposed contract.

Signed: *Fred Seamon*

Date: **07/24/2020**

19.3. Proof of Insurability

Proposal Submitted By: **Fred Seamon**

(Contractor Name) **MGT of America Consulting, LLC**

Address: **2251 Harvard St., Ste. 134, Sacramento, CA 95815**

Being duly sworn, I do hereby acknowledge that I have read the insurance specifications herein and agree the above contractor is eligible for insurance per aforesaid specifications.

Subscribed and sworn before me on the **24** day of **July**, 2020.

Signed: *Fred Seamon*

Date: **07/24/2020**

Insurance Company: **Earl Bacon Agency, Inc.**

Address: **Post Office Box 12039, Tallahassee, FL 32317**



19.4 Reference Table

Provide a minimum of 3 similar size complete installation references.

1. Owner Name: City of Lawrenceville, City and Police Dept

Address: 70 S. Clayton Street, Lawrenceville, GA 30046

Name of Contact: Kyle J Parker, Director - Information Technologies

Phone: (678) 407-6406

Project Date: December 2019 – Present

2. Owner Name: Arnott Industries

Address: 100 Sea Ray Drive, Merritt Island, FL 32953

Name of Contact: Justin Carroll, Director of Information Technology

Phone: (321) 868-3016

Project Date: October 2019 – Present

3. Owner Name: CINC Systems, Payment Gateway Services

Address: 3055 Breckinridge Blvd, Duluth, GA 30096

Name of Contact: Robert McCullar, Chief Operating Officer

Phone: (770) 821-6765

Project Date: April 2019 - Present

19.5 Acknowledgments

19.5.1 By submission of this Proposal, the Proposer certifies that:

19.5.2 The supplier has verified prices and the conditions of this Proposal. That this Proposal has been reviewed and accepted by all appropriate parties constituting this offer.

19.5.3 The individual signing this Proposal certifies that he/she is a legal agent of the Proposer and is further authorized to represent the offering and is legally responsible for the decision as to the prices and supporting documentation provided.

19.6 Acknowledgment of Receipt of Any Issued Addenda

19.6.1 The following Addenda to the Specifications have been received and have been considered in response to this Request for Proposal.

Q&A Addendum #1 Date: July 10, 2020
Date:
Date:

19.6.2 The successful Proposer will bear the burden of any and all undisclosed costs.

19.7 Authorization

19.7.1 Signature of Authorized Company Representative

19.7.1.1 Name of Authorized Rep - (Typed): Fred Seamon

19.7.1.2 Signature: *Fred Seamon* Date: 07/24/2020

19.7.1.3 Employer Identification Number: 81-0890071

19.7.1.4 Company Name: MGT of America Consulting, LLC

19.7.1.5 Street Address: 2251 Harvard St., Ste. 134

19.7.1.6 City, State, Zip: Sacramento, CA 95815



Mohammed Hashim

Professional Summary

- Senior Security Engineer with hands on experience in the arena of Security Design, Implementation and Support especially firewalls, intrusion prevention system, load balancers and Proxy.
- Completed Advanced 6 week Training Program directly from Palo Alto as Resident Engineer.
- Experience Working as Palo Alto Resident Engineer Supporting it's end customer.
- Design and Implementation of Palo Alto Firewalls and Panorama Management Platform.
- Experience with Threat intel processing tools like MineMeld and AutoFocus
- Experience with Management Platforms such as Panorama M-500, M-600, MDS, Smart center, Cisco CSM.
- Experience with all next generation features of Palo Alto including User-ID, App-ID, IPS.
- VPN technologies including both Site to Site and Remote Access including SSL VPN technologies such as Cisco ANYCONNECT and Global-Protect on PAN firewalls.
- Experience with Proxy using appliance such as Blue Coat Proxy SG appliances.
- Load balancing Experience with F5 networks Big IP LTM, GTM and Cisco ACE Modules.
- Configure Panorama for Shared Policy and Reporting as well as log collection.
- Firewall rule base Audit and Cleanup using Tools such as tufin, firemon and remediate.
- Vulnerability assessment using tools such as Nessus and Qualys, and implementation of Security Policies.
- Capable of quickly learning new technologies and adapting to new environments.

Education:

- Masters of Science in Network Engineering & Management
- Bachelor of Engineering (B.E) – Electronics and Communication

Certifications and Training:

- Palo Alto Certified Network Security Engineer(PCNSE)
- Palo Alto Accredited Configuration Engineer (ACE)
- Cisco Certified Network Professional (CCNP) - Route/Switch
- Cisco Certified Network Associate (CCNA) - Route/Switch
- Cisco Certified Network Associate (CCNA) - Security
- Checkpoint Certified Security Associate (CCSA)

Technical Skills:

Firewall Technologies:

- Experience in designing of Firewall architecture, including Zoning and implementing in a distributed environment.
- Planning, Design, Implementation and Troubleshooting of Palo Alo, Checkpoint and Cisco ASA Firewalls in the network.
- Palo Alto firewalls include PA-5060, PA-7000, PA-3060 and 800 Series.
- Firewall Policy provisioning on PAN devices using the Panorama Management platform.
- Worked on PAN OS 6.x, 7.x, 8.x, 9.x.
- Firewall Policy Provisioning and schedule changes through Change Management Process

Firewall Management Platforms:

- Experience with management platforms such as Provider-1/MDS, Cisco CSM and **Panorama M-500, M-600, M-100.**
- Build and Configure Palo Alto Firewalls and work with Panorama.
- Build and configure Smart Centers in High Availability mode (Active-Standby)
- Integrate various 3rd party applications with Palo Alto Firewalls.
- Build and Managing Palo Alto firewalls using the Panorama by configuring Device groups and Templates.

PROFESSIONAL EXPERIENCE:

Client: Rockefeller Capital Management

Sep 2018 - Present

Role: Network Engineer

Implementation and Support of Palo Alto Networks and Cisco ASA Firewalls in the network.

Palo Alto Networks firewall responsibilities include:

- Build Panorama Management Appliance on VMware ESX host.
- Build new Palo Alto firewalls and configure High Availability.
- Experience with Implementing Windows Based User-ID agent and group mapping on PAN firewall.
- Perform Firewall cross platform migration from Cisco ASA to PAN firewall.
- Import PAN firewall into a Panorama Management Appliance.
- Experience building Template Stack and Device Group with Panorama to manage multiple PAN firewall.
- Configuration and administering the security policies on Panorama.
- Perform upgrades on PAN-OS devices in High Availability pair.
- Worked with various Security profiles, including antivirus, Anti-Spyware, Wild-fire analysis, Data Filtering, File Blocking, Wildfire and DOS Protection.

- Configure and implement URL Filtering on Palo Alto Firewalls.
- Upgrade and backup of PAN OS on both PA firewalls and Panorama devices.
- Firewall Policy Provisioning and working with users to identify the application specific communication required through firewall.
- Work with Threat management from Palo Alto and tweak false positives and configure Security Profiles.
- Generating and analysis of utilization report from Panorama.
- Troubleshooting of traffic using Packet Capture and analyze using Wire shark.

Vendor: Palo Alto Networks Inc.

March 2018 – Sep 2018

Role: Residence Engineer

Client: Point72 Asset Management, L.P.

- Hardware upgrades include migrating PA-5050/5060 to PA-5220 and PA-5060 to PA-7050 in multi-vsys.
- Worked on migration from Checkpoint to Palo Alto firewall using expedition tool.
- Configuring and rolling out Global Protect solution for the corporate users.
- Configured global protect portal, gateways, certificates, SSL/TLS profiles.
- Build Panorama M-500 from ground and configure Device Groups and Templates.
- Configured HA on Palo-Alto in Active and Passive mode.
- Perform migration from Websense URL filtering to PANDB URL filtering.
- Perform software upgrades on PA firewalls and Panorama in High Availability pair.
- Configuring Palo Alto Firewalls with multiple zones based with traffic segregation requirements.
- Work on User-ID, APP-ID, Wildfire, security profile, Threat prevention.
- Working with Panorama including Device Groups and Templates
- Configure Panorama for Shared Policy and Reporting as well as log collection
- Creating Data-filtering profiles in PAN devices which helps to prevent sensitive information.
- Configure and support different types of NAT on PAN devices. Source/Destination based NAT, U-Turn NAT.
- Troubleshoot security policy, high availability, Global Protect on PAN devices.
- Firewall Policy provisioning on PAN devices using the Panorama Management platform.
- Security Policy configuration and Policy administration on Palo Alto firewalls PA-7000, PA-5200, PA-5000, PA-3000 and 800 Series.
- Provide day-to-day operational support for all firewall and VPN platforms, including Checkpoint and Palo alto firewalls and ITIL Based Service Delivery and Management.
- Review Firewall rule conflicts and misconfigurations as well as redundant rules using Algosec.
- Track changes made to firewall access rules and objects using Algosec.
- Documentation and draw network diagrams using MS Visio and use a SharePoint portal as site repository.

Client: AT&T / DirecTV

April 2015 – Feb 2018

Role: Network Security Engineer

This client has more than 100 firewalls which include: Palo Alto networks, Cisco ASA and VMware NSX - (Software defined networking).

Palo Alto Networks based experience:

- Firewall Policy provisioning on PAN devices using the Panorama Management platform.
- Build Palo Alto firewalls PA-5060 and 3060 and configure policies
- Configured HA on Palo-Alto in Active and Passive mode.
- Perform upgrades on PAN OS devices in High Availability pair.
- Work on User-ID, APP-ID, Wildfire, security profile, Threat prevention.
- Configure and implement URL Filtering on Palo Alto Firewalls.
- Working with Panorama including Device Groups and Templates
- Configure Panorama for Shared Policy and Reporting as well as log collection
- Creating Data-filtering profiles in PAN devices which helps to prevent sensitive information.
- Configuring and support different types of NAT on PAN devices. Source/Destination based NAT
- Troubleshoot security policy, high availability, Global Protect on PAN devices.

VMware NSX based experience:

- Configuring and supporting Content Ready Infrastructure network using Tools like NSX Manager.
- Creating Security groups, IP-Sets, NSX tags and Service group.
- Defining Security groups based on Dynamic membership- NSX TAGS and Static membership
- Firewall Policy Provisioning using Security groups, IP-Set and service groups
- Troubleshooting the connectivity issue by monitoring logs in ESXi host.

Client: Brady & Kosofsky Law

March 2014 – April

2015 Role: Network Security Engineer

- Day-to-day work involves changes on the Checkpoint Firewall using the Smart Dashboard R65, R70, R71 and R75 software and connecting via Smart Center management.
- Firewall Policy provisioning on PAN devices using PANORAMA MGMT platform.
- Perform Upgrade of PAN OS on Palo Alto Firewalls
- Perform upgrades on PAN OS devices in High Availability pair.
- Support Juniper Netscreen as well as SRX 1400 and 1500 Firewalls
- Configure Chassis Cluster, NSRP on Juniper SRX and ISG firewalls.
- Implemented IRules for content switching, redirects.
- Security Policy configuration and Policy administration on Palo Alto firewalls, Palo Alto firewalls PA-5060, PA-7000, PA-3K and PA-200,220,800 Series.
- Configure Panorama for Shared Policy and Reporting as well as log collection
- Configured Layer 2 configuration including switch ports, VLANs, trunk links, Rapid Spanning Tree.
- Supported Cisco based routing, switching and basic Access list provisioning with device backup and restore
- Working with Firewalls and updating policies on a day to day basis. Work on Change and Incident Tickets.

- Change and Incident Management using HP Service Manager. Schedule day to day firewall related changes and seek CAB approval if required for production impacting changes.
- Generating CSRs and installing certs on the virtual servers.
- Troubleshoot security policy, high availability, Global Protect on PAN devices,
- Understanding of Management Plane and Data Plane on PAN devices.
- Configured f5, HTTP profiles and HTTP to HTTPS redirects on virtual servers.
- Configuring Palo Alto Firewalls with multiple zones based on traffic segregation requirements.
- Creating Data-filtering profiles in Palo Alto devices which helps to prevent sensitive information and supporting servers with access control changes
- Great experience in Planning, designing of Corporate Firewalls architecture and implementing in distributed environment i.e., configuring & troubleshooting – Checkpoint, Cisco ASA
- Working with advanced blades on User-ID, App-ID, IPS, Wildfire etc.
- Provide day-to-day operational support for all firewall and VPN platforms including Checkpoint and Palo alto firewalls and ITIL Based Service Delivery and Management.
- Worked extensively on network monitoring tools like, SOLAR WINDS, TUFIN and Wire shark. Assisted in the security risk analysis for current systems and recommend solutions for reducing exposure of vulnerable areas
- Perform upgrades on Palo Alto OS devices in High Availability pair and Palo Alto firewalls PA-5060, PA-7000, PA-3K and PA-200,220,800 Series.
- Firewall OS upgrades and Maintenance of OS updates as part of addressing Vulnerabilities
- Bluecoat proxy administration for url filtering and client policy provisioning.
- Troubleshooting connectivity issues on the firewall using smart view tracker, monitor health of the appliance using SmartView monitor etc.
- Support routing protocols including BGP and OSPF routing, HSRP, load balancing/failover configurations, GRE Tunnel Configurations, VRF configuration and support on the routers.
- Actively responsible for ASA 8.x, 9.x and Cisco FWSM 3.x upgrades and network refresh projects and Troubleshooting, IOS Security Configurations, IPsec VPN Implementation and Troubleshooting, perimeter and overall network future infrastructure.

Client: Marathon Petroleum

Jan 2013 – Feb 2014

Role: Network Security Engineer

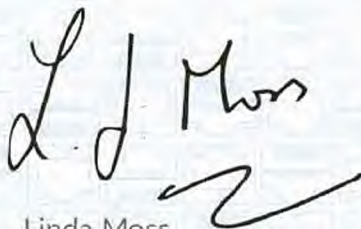
- Firewall Policy provisioning on PAN devices using Web UI as well as PANORAMA MGMT platform.
- Configure High-Availability on Palo Alto in Active/Passive mode.
- Configured Authentication and Certificate profiles to authenticate Global-Protect users.
- Created Split-Tunneling to provide access to Local Networks on Palo Alto.
- Understanding of Management Plane and Data Plane on PAN NG Firewalls.
- Work with App-ID for Application Visibility and URL-Filtering on PAN Devices.
- Perform upgrades on Pan-OS configured in Active/Passive High-Availability.
- Work with User-Id and content-Id for to control the traffic that is passing through the PAN
- Firewall Policy provisioning and work with firewall requests submitted by users
- Performed maintenance of routing infrastructure and troubleshooting OSPF and BGP
- Network diagrams using Visio, documentation and project reporting with detailed documentation

PALO ALTO NETWORKS CERTIFIED NETWORK SECURITY ENGINEER

THIS CERTIFICATE OF ACKNOWLEDGEMENT CONFIRMS THAT

Prashant Rajbhandari

has successfully earned **Palo Alto Networks Certified Network Security Engineer** designation based on successfully completing the **PCNSE** exam, and therefore, demonstrates in-depth knowledge to design, install, configure, maintain and troubleshoot the Palo Alto Networks platform.



Linda Moss
VP, Global Enablement

October 01, 2019

Certification Date

Expires: **October 1, 2021**

Certificate Code: PCNSE

Verification #: 6W3K52B221R1QWG2

<https://www.certmetrics.com/PaloAltoNetworks/public/verification.aspx>



Palo Alto Networks Certified Network Security Engineer

THIS CERTIFICATE OF ACKNOWLEDGEMENT CONFIRMS THAT

Dibyojyoti Mukherjee

has successfully demonstrated the knowledge and skills to be recognized
as a Palo Alto Networks Certified Network Security Engineer.

Prameet Chhabra

Prameet Chhabra
Head of Global Enablement

June 27, 2020

Certification Date

Expires: June 27, 2022

Certificate Code: PCNSE

Verification #: KEKNXEFCCBB1EQYSJ

<https://www.certmetrics.com/PaloAltoNetworks/public/verification.aspx>

 paloalto
NETWORKS

PCNSE

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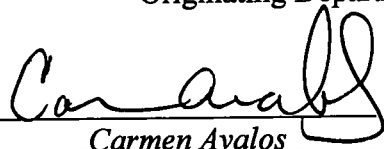
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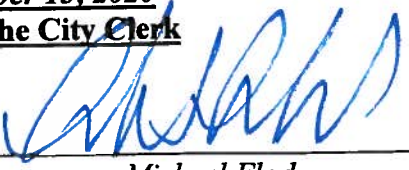
City of South Gate
CITY COUNCIL

CITY OF SOUTH GATE
OFFICE OF THE CITY MANAGER

AGENDA BILL

For the Regular Meeting of: October 13, 2020
Originating Department: Office of the City Clerk

City Clerk: 
Carmen Avalos

City Manager: 
Michael Flad

SUBJECT: APPROVAL OF CITY COUNCIL MEETING MINUTES.

PURPOSE: To historically preserve the events of the City Council Meetings.

RECOMMENDED ACTION:

- A. Approve the Regular and Special City Council Meeting minutes of September 8, 2020.
- B. Approve the Regular and Special City Council Meeting minutes of September 22, 2020.

FISCAL IMPACT: None.

ANALYSIS: The minutes are provided to the City Council on the Wednesday prior to their regular business meeting. Amendments should be provided to the City Clerk's Office within 24 hours of a City Council Meeting so that verification of the record and corrections are made accordingly. A revised document will be provided to the City Council prior to the Meeting.

BACKGROUND: The minutes typically describe the events of the meeting and may include a list of attendees, a statement of the issues considered by the participants, and related responses or decisions for the issues.

ATTACHMENTS: City Council Minutes

**CITY OF SOUTH GATE
SPECIAL CITY COUNCIL MEETING
MINUTES
TUESDAY, SEPTEMBER 8, 2020**

CALL TO ORDER: Maria Davila, Mayor called a Special City Council meeting to order at 5:36 p.m.

ROLL CALL Carmen Avalos, City Clerk

PRESENT Mayor Maria Davila, Vice Mayor Al Rios, Council Member Maria del Pilar Avalos, Council Member Denise Diaz and Council Member Gil Hurtado; City Manager Mike Flad, City Attorney Raul F. Salinas

ABSENT City Treasurer Gregory Martinez

CLOSED SESSION The Council Members recessed into Closed Session at 5:39 p.m. and reconvened at 6:35 p.m. with all Members of Council present. City Attorney Salinas reported the following:

1. CONFERENCE WITH LEGAL COUNSEL - PENDING LITIGATION
Pursuant to Government Code Section 54956.9(a), 54954.9(b)(3)(C)
 - a. City of South Gate v. Albert Robles
 - b. Mary Jane Nava v. City of South Gate
 - c. Jonathan Hoyer v. City of South Gate
 - d. Rodolfo Jaurigui, Jr. v. City of South Gate, et al.

For Item 1a there was no reportable action taken in Closed Session.

For Item 1b there was a motion made by Vice Mayor Rios and seconded by Council Member Hurtado to approve tolling agreement which will result in the dismissal of the City from the case. The vote was 5-0.

For Item 1c there was a motion by Council Member Avalos and seconded by Vice Mayor Rios to approve a tolling agreement which will result in the dismissal of the City from the case. The vote was 5-0.

For Item 1d there was a motion by Council Member Hurtado and seconded by Mayor Davila to approve City Attorney to defend the City and Officer Mendes. The vote was 5-0.

SPECIAL CITY COUNCIL MEETING MINUTES OF SEPTEMBER 8, 2020

2. CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION

Pursuant to Government Code Section 54956.9(c)

One (1) - Potential Case

For Item 2 the City Attorney recused himself from participating on this item. There was no reportable action.

3. CONFERENCE WITH LEGAL COUNSEL - REAL PROPERTY NEGOTIATIONS

Pursuant to Government Code Section 54956.8

- a. Property APN: N/A
Property: 9599 Pinehurst Avenue, South Gate, California 90280
City Negotiator: Michael Flad, City Manager
Negotiating with: Goals Soccer Centers, Inc.
Under Negotiation: Terms of Leases

Item 3 was not discussed in Closed Session in the interest of time.

ADJOURNMENT

Mayor Davila unanimously adjourned the meeting at 6:41 p.m. and seconded by Council Member Hurtado.

PASSED and APPROVED this 13th day of October 2020.

ATTEST:

Maria Davila, Mayor

Carmen Avalos, City Clerk

**CITY OF SOUTH GATE
REGULAR CITY COUNCIL MEETING
MINUTES
TUESDAY, SEPTEMBER 8, 2020**

- CALL TO ORDER** Maria Davila, Mayor called a Regular City Council meeting to order at 6:42 p.m.
- INVOCATION** Pastor Anthony Kidd, Community of Faith Bible Church
- PLEDGE OF ALLEGIANCE** Yolanda Carrion, Recipient of the SoCalGas College Scholarship
- ROLL CALL** Carmen Avalos, City Clerk
- PRESENT** Mayor Maria Davila, Vice Mayor Al Rios, Council Member Maria del Pilar Avalos, Council Member Denise Diaz and Council Member Gil Hurtado; City Treasurer Gregory Martinez, City Manager Mike Flad, City Attorney Raul F. Salinas
- 1**
PROCLAMATION The City Council issued a Proclamation declaring September 17, 2020 as “Cerritos College Day” to commemorate the 65th anniversary of Cerritos College.
- 2**
CERTIFICATE The City Council presented a Certificate of Appreciation to Yolanda Carrion for receiving a \$5,000 college scholarship from SoCalGas.
- 3**
APPOINTMENTS The City Council unanimously approved the removal of Christina Montalvo from her appointment to the Civil Service Commission by motion of Council Member Avalos and seconded by Vice Mayor Rios.
- ROLL CALL:** Mayor Davila, yes; Vice Mayor Rios, yes; Council Member Diaz, yes; Council Member Hurtado, yes; Council Member Avalos, yes.
- Council Member Avalos thanked Ms. Montalvo for her service.
- 11**
PROCLAMARION The City Council issued a Proclamation declaring September 2020 as National Suicide Prevention Awareness Month to raise awareness about mental health and improve access to mental health treatment and services.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 8, 2020

4

HOUSING

The City Council unanimously rescheduled the Public Hearing and continued this item to a future City Council.

1. Conducting a public hearing for the consideration of the affordable housing waivers;
2. Accepting the determination that this project is exempt under California Environmental Quality Act (CEQA) Article 19 (Categorical Exemptions) 14 CCR § 15332. § 15332, In-Fill Development Projects, Class 32;
3. Adopting Resolution - approving three (3) affordable housing waivers to facilitate the inclusion of four units with rents affordable to Very Low Income households for a period no less than 55 years, in the Legacy Apartments at 10130 Adella Avenue; and
4. Adopting Resolution - approving the affordable housing agreement for the Legacy Apartments at 10130 Adella Avenue; and
5. Approving the affordable housing agreement between the City of South Gate and 10130 Adella LLC, for the Legacy Apartments at 10130 Adella Avenue.

Joe Perez, Director of Community Development provided a presentation on this item.

During the presentation the City experienced a power outage that momentarily suspended the Public Hearing. When the power returned Mr. Perez continued the presentation.

Council Member Hurtado spoke about the need for affordable housing. By limiting this project to only 4 units it is adding to the problem. He would like to request of the developer to increase the affordable housing units to 12 units.

Council Member Avalos is concerned with the lack of private outdoor space. As we are currently dealing with the time of the pandemic, people will not be able to meet in public areas. The trash area is also a concern for her and the effect it would have on the tenants near that area. Council Member Avalos agrees with Council Member Hurtado and would like to see more affordable housing rentals.

Vice Mayor Rios has concerns over access to the units with it being built so close to the school. He would also like to include patios and is also concerned with the indoor area for trash.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 8, 2020

4

HOUSING CONT'D

Council Member Diaz states that this project will revitalize the area but shares the concerns of the other Council Members.

Mayor Davila agrees that we should try to work with the developer to get more affordable units.

Raul F. Salinas, City Attorney advised the Council that even though the feedback being provided is valuable we should open the Public Hearing to receive the public's input.

Council Member Avalos asked the City Clerk to explain how a similar situation was handled by the Cerritos College Board.

Carmen Avalos, City Clerk explained the process and funding sources that the college looked into.

Mayor Davila opened the public hearing and asked if anyone in the audience wishes to speak on this item.

Cindy Esquivel, 4718 Tweedy Boulevard is concerned that the increase in housing will also put a strain on the electricity and would like to know if Edison is working to fix the old transformers in the City.

Veronica Hernandez stated that she would like the developer to give priority for the affordable housing units be given to residents that live in South Gate. She realizes that it is difficult to have private developers include certain requirements and would like the City to develop more land as mixed use. This would allow the City to develop in commercial areas and would like to see the City review the zoning plan.

Robert Montalvo agrees with Council Member Hurtado's comments and would also like to see the developer add some solar or wind panels to the design. He would like the City Council to deny the developers requests until they are willing to add more affordable units.

Ms. Alvarez stated that she lives in the area and is concerned with the outdoor patios, lack of privacy, traffic, parking, and the noise that the new complex will bring.

Dave Mossman, representative for the developer, stated that they have been working on this project for a couple years with City staff. Mr. Mossman addressed a few items that were brought up during the discussion. He stated that the developers believe that by enclosing the trash containers it will diminish the eyesore of having overflowing trash cans and provide easier access for the residents.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 8, 2020

4

HOUSING CONT'D

Mr. Mossman explained that the developer will be removing and remediating the soil of the lead contamination at a cost of \$750,000. The developer is also planning on solar panels. Mr. Mossman continued that the City's requirement for open space is 50% of the units and a minimum of 36 square feet. The developers research has lead them to believe that these patios are difficult to regulate and are often used for storage.

The development will not be completed for approximately 2 1/2 years and they are hopeful COVID will not be the same level of concern that it is today. As a result of listening to comments tonight and the different restrictions that they are under the developer is willing to increase the low income units from four to eight.

Mayor Davila thanked Mr. Mossman for his willingness to work with the City.

Maria Estrada is concerned with the higher priced units and states that any builders putting in property over the median income of the City is building to gentrify the City.

Irene Bates stated that more consideration should be given to seniors. Ms. Bates thinks there should be a greater percentage of low income units in this complex.

Seeing no one come forward, Mayor Davila closed the public hearing.

Mr. Perez responded to some of the public comments. He explained that currently there are no requirements in the City that mandate affordable housing units. They included this as a response to the City saying this is important based on what the City Council has informed staff. Based on conversations tonight the developer is willing to double the original number from 4 to 8 which is more than what the City is proposing in our inclusionary housing ordinance.

As for the concerns on noise and privacy issues, City staff has spent a considerable amount of time working with the developer to address this. There is over 100 feet separating the apartments from the residential areas and in addition to this there will be a 10 foot high wall that will separate the apartments from the current residents.

Mike Flad, City Manager addressed the comment on power reliability. He stated that the situation has been getting better. Edison has been a very good partner in recognizing that they need to do better and they are doing better with regards to outages. They are investing millions of dollars and continuing to upgrade and improve the infrastructure in South Gate.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 8, 2020

4

HOUSING CONT'D

Mr. Flad continued that the developer came in with no obligation for any low or moderate income priced housing and they were very agreeable. The reason you see any low income housing is them trying to be cooperative working with the City.

Mr. Flad asked Mr. Perez to explain the concept of deny everything.

Mr. Perez explained that the developers can simply go back, meet the City's design standards and then come back with 100% market rate development that would be approved by right. Which is allowed by our code.

Mayor Davila asked about parking. She stated that it has parking for four guests. Is that per unit or overall?

Mr. Perez responded there is nothing in the City code that requires that but staff thought it would be a good idea. It is designed to keep more vehicles on site and would be offered on a first come first serve basis.

Council Member Avalos stated that she would like to see the developer increase the affordable housing units from 8 to between 10-15 units.

Council Member Hurtado would also like to see an increase in the affordable housing units.

Vice Mayor Rios has concerns over the parking, traffic and would still like to see a balcony added to the design.

Council Member Diaz asked if these units will be included in our RHNA numbers.

Mr. Perez responded that during the next cycle the City will have to make available through zoning 8,263 units over an eight year period.

Council Member Diaz asked what happens if the City does not meet these numbers.

Mr. Perez stated that the real concern of not meeting the RHNA numbers comes down to money and funding. If we are not complying with the numbers the concern is that the State will cut funding.

Mr. Flad explained the background of why the State is pushing for more housing density in City's with already high density.

Council Member Diaz is for developing the area but would like to see the developer increase the number of affordable housing increase to 10 units.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 8, 2020

4

HOUSING CONT'D

Council Member Davila asked if Mr. Mossman would like to respond to some of Council's questions.

Mr. Mossman stated that they are continuing to listen but to increase any higher than eight would take another hit on the developer's profits and this is as high as they are willing to go.

Council Member Avalos asked if the item could be continued to a future meeting to allow staff to meet with Mr. Mossman to see if they would reconsider.

Mayor Davila asked for guidance from the City Attorney.

Mr. Salinas responded that the Council closed the Public Hearing portion of the meeting but you can continue that portion since the developer and staff need more time to modify their proposal. If more time is needed than a couple of weeks then we could just re-notice the Public Hearing.

Mr. Perez stated that since we have received all these comments Staff would need time to meet with the developer. He would suggest closing tonight's public hearing and re-notice for a future date.

Mr. Flad asked for clarification on the direction of council.

Council Member Hurtado clarified that their concerns are not with the waivers but with the elements/units of the project itself.

Council Member Avalos is requesting that besides the number of units for the low income housing the balconies be included as a negotiating point.

PUBLIC COMMENT

Carmen Avalos, City Clerk read into the record the comments of Natasha Dominguez who is in support of defunding the Police Department.

Virginia Johnson stated that there are a lot more problems in Area 5 and is requesting an increase in Police patrols. She also requested that the City look into the housing across from City Hall because she believes it should still be required to be a senior facility. If a resident is listening in by phone can the City presentations be viewed on the website?

Robert Montalvo is concerned with the Mayors association with the Police Officers Association and Mr. C's Towing. He is also concerned with the Mayor's behavior on social media and would like the City to open a food bank by pulling money from the General Fund.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 8, 2020

PUBLIC COMMENT CONT'D

David Mendez, 9833 Atlantic Avenue, is concerned with homeless and drugs being sold in the school parking lot near his address. He reported it to the City Clerk and the Police Department and nothing is ever done.

Maria Estrada spoke in regards to her public records request and how she is not getting her requests from the City.

REPORTS AND COMMENTS FROM CITY OFFICIALS

Steve Costley, Interim Parks and Recreation Director, reported that this Friday the Parks will be having their first drive-in movie nights and will be showing Toy Story 4. The next scheduled food distribution will be on Monday, September 28th.

Joe Perez, Director of Community Development reminded everyone that there is just 22 days left to fill out your Census Form.

Art Cervantes, Director of Public Works encouraged residents that are being affected by the power outage to go to Edison's website and check the status there.

Mike Flad, City Manager stated that we are still in a pandemic and have 438 new cases reported today in Los Angeles County. Due to the Labor Day weekend we are expecting a dramatic increase in numbers. Mr. Flad reminded everyone to social distance, stay safe and wear your mask.

Mr. Flad explained that the process that contracts get approved specially because of the recent comments by several people regarding Mr. C's Towing and also addressed the comments regarding City Council action during the pandemic.

Raul F. Salinas, City Attorney addressed the behavior and conduct that the City follows during Public Comments. Mr. Salinas continued by stating that his office did receive late in the day two calls regarding Ms. Estrada's request for records. One from Ms. Estrada and one from Mr. Harris. Mr. Salinas did leave a message through email with Mr. Harris and clarified that many of the requests require information that is not readily available to the City. We do not have updated servers and our servers are breaking down. Some emails we are just not getting and staff is diligent in responding to public records request. The Brown Act understands that it is required to provide a response but also gives us extra time, reasonable time to get the documents to the requesting party. Staff will continue to do that and we will double our efforts to all the members of the public.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 8, 2020

REPORTS AND COMMENTS FROM CITY OFFICIALS

CONT'D

Council Member Avalos appreciates the public input and asked the public to refrain from using foul language. She continued by acknowledging the loss of life in the community this weekend caused by a car accident. We need to come together as a community and find positive ways to support each other during these unprecedented times.

Council Member Hurtado stated that the City Manager has done a very good job about reaching out to the people responsible for the black outs and addressed the unfairness of what appears to be taking place. More affluent communities do not go through this as much as the City of South Gate does. If it is possible Council Member Hurtado requested a map of the areas that these blackouts happen.

Council Member Hurtado is still concerned with the amount of people using the parks. He recommended that we look at possible enforcement measures for people that are not following the rules.

Council Member Diaz announced that she was appointed to the Los Angeles County Library Committee representing District 6. She requested that the City share the information that the county is providing hot spots, iPads and tablets to the community. She commended staff and council that in the past the City was able to help fund increased library hours but now we need to encourage the County to fund these programs themselves.

Vice Mayor Rios asked the status on if South Gate will have voting centers for the upcoming election and asked for a report on the cooling stations that opened this past week.

Mayor Davila encouraged everyone to fill out their Census Forms and get counted.

CONSENT CALENDAR

Agenda Items 5, 6, 8, and 9 were unanimously approved by motion of Mayor Davila and seconded by Council Member Hurtado. Items 7 and 10 were pulled for separate discussion.

ROLL CALL: Mayor Davila, yes; Vice Mayor Rios, yes; Council Member Diaz, yes; Council Member Hurtado, yes; Council Member Avalos, yes.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 8, 2020

**5
TAX DEFAULTED
PROPERTY**

The City Council unanimously approved A and B during consideration of the Consent Calendar.

- a. Adopted Resolution No. 2020-33-CC entitled - A Resolution of the City Council of the City of South Gate, California, disclaiming any interest in purchasing tax defaulted property (APN 6233-032-002), and agreeing to the purchase price of \$4,307 to be paid by the Los Angeles County Flood Control District To The Board Of Supervisors Of Los Angeles County.
- b. Authorized the Mayor to execute Chapter 8 Agreement No. 2838 in a form acceptable by the City Attorney.

**6
PERSONAL**

The City Council unanimously approved A and B during consideration of the Consent Calendar.

- a. Amendment No. 3 to Contract No. 2232 with AdminSure Inc., for the administration of the City's Self-Insured Workers' Compensation Program with a 0% rate increase for Fiscal Year 2020/21 and a 2% increase for Fiscal Years 2021/22, 2022/23 and 2023/24; and
- b. Authorized the Mayor to execute Amendment No. 3 in a form acceptable to the City Attorney.

**EXCUSED FROM
MEETING**

At this time, Council Member Hurtado recused himself from participating on this item.

**7
URBAN
REFORESTATION**

The City Council approved A and B by motion of Mayor Davila and seconded by Vice Mayor Rios.

- a. Deed Restriction with the California Department of Parks and Recreation and National Park Service as necessary to meet the requirements placed on Land and Water Conservation Fund Competitive Program, Grant No. 06-01817 awarded to the Urban Orchard Project, City Project No. 539-PRK (Project); and
- b. Authorized the Mayor to execute the deed restriction in a form acceptable to the City Attorney.

ROLL CALL: Mayor Davila, yes; Vice Mayor Rios, yes; Council Member Diaz, yes; Council Member Hurtado, absent; Council Member Avalos, yes.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 8, 2020

REJOINED MEETING

Council Member Hurtado rejoined the meeting at the conclusion of Item 7.

8

WATER

The City Council adopted Resolution No. 2020-34-CC entitled - A Resolution of the City Council of the City of South Gate, California, approving Transfer Agreement No. 2020MP77 with the Los Angeles County Flood Control District for Safe, Clean Water Program funds for Fiscal Years 2020/21 through 2023/24, in the amount of \$1 Million annually, and authorizing the City Manager to execute and submit the Transfer Agreement and subsequent Annual Expenditure Plans and Annual Reports during consideration of the Consent Calendar.

9

POLICE

The City Council unanimously approved A, B and C during consideration of the Consent Calendar.

- a. Addendum No. 5 to Contract No. 3130 (Master Equity Lease Agreement) with Enterprise FM Trust to include the lease of a 2020 Chevrolet Traverse for the Police Department Services Division for a four-year term in an amount not to exceed \$36,280 (\$9,070 per year);
- b. The purchase of the emergency safety equipment and radio for this vehicle in an amount not to exceed \$5,301; and
- c. Authorized the Mayor to execute Addendum No. 5 in a form acceptable to the City Attorney.

10

STREET SWEEPING

The City Council unanimously approved A, B, and C by motion of Vice Mayor Rios and seconded by Council Member Hurtado.

- a. Amendment No. 1 to Contract No. 3542 with Nationwide Environmental Services to provide for a Consumer Price Index (CPI) increase of 2% in Year 5 of the contract(estimated at \$13,851), and to modify the termination clause;
- b. Adding Columbus Day and Veterans Day to the non-street sweeping schedule and directed staff to incorporate this change into Amendment No. 1; and
- c. Authorized the Mayor to execute Amendment No. 1 in a form acceptable to the City Attorney.

ROLL CALL: Mayor Davila, yes; Vice Mayor Rios, yes; Council Member Diaz, yes; Council Member Hurtado, absent; Council Member Avalos, yes.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 8, 2020

12

WARRANTS

The City Council unanimously approved A and B by motion of Council Auditor Avalos and seconded by Mayor Davila.

a. Check No. 89826 from August 25, 2020; and

b. Warrant register for September 8, 2020.

| | |
|---------------------------------------|------------------------|
| Total of Checks: | \$ 1,646,947.00 |
| Voids: | (\$ 7,125.00) |
| Total Payroll Deductions (FY 2020/21) | <u>(\$ 302,619.43)</u> |
| Grand Total: | \$ 1,337,202.57 |

Cancellations: 85237, 87751, 88529, 89352, 89972

ADJOURNMENT

Mayor Davila unanimously adjourned the meeting in memory of the community members that lost their lives this weekend in the City at 10:42 p.m. and seconded by Council Member Avalos.

PASSED and APPROVED this 13th day of October 2020.

ATTEST:

Maria Davila, Mayor

Carmen Avalos, City Clerk

**CITY OF SOUTH GATE
SPECIAL CITY COUNCIL MEETING
MINUTES
TUESDAY, SEPTEMBER 22, 2020**

CALL TO ORDER Maria Davila, Mayor called a Special City Council meeting to order at 5:31 p.m.

ROLL CALL Carmen Avalos, City Clerk

PRESENT Mayor Maria Davila, Vice Mayor Al Rios, Council Member Maria del Pilar Avalos, Council Member Denise Diaz and Council Member Gil Hurtado; City Manager Mike Flad, City Attorney Raul F. Salinas

ABSENT City Treasurer Gregory Martinez

CLOSED SESSION The Council Members recessed into Closed Session at 5:31 p.m. and reconvened at 6:31 p.m. with all Members of Council present. City Attorney Salinas reported the following:

1. CONFERENCE WITH LEGAL COUNSEL – PENDING LITIGATION

Pursuant to Government Code Section 54956.9(a), 54954.9(b)(3)(C)

- a. Jose Zamora v. City of South Gate
- b. David Scott v. City of South Gate (WCAB)
- c. Jesus Barriga v. City of South Gate (WCAB)

Item 1(a) is a slip that occurred on a city sidewalk. The City Council received a presentation by the City Attorney and City staff and on motion made by Vice Mayor Rios and seconded by Mayor Davila and on a vote of 5-0, moved to deny that claim.

Item 1(b) is Workers' Compensation matter. The City Council received a report by outside counsel representing the city in that matter and after receiving the presentation there was a motion made by Councilwoman Avalos and seconded by Vice Mayor Rios and on a vote of 5-0, moved to authorize a settlement to resolve that matter. In further to that same case there was a subsequent motion made by Vice Mayor Rios and seconded by Mayor Davila and on a vote of 5-0, there was a motion to approve an alternative settlement. Guidance was given to outside counsel with respect to the alternative settlement. The amount of the settlement that was the subject of the two motions is not being disclosed at this time because negotiations are ongoing but will be disclosed in accordance with the Brown Act.

SPECIAL CITY COUNCIL MEETING MINUTES OF SEPTEMBER 22, 2020

Item 1(c) is Workers' Compensation matter. The City Council received a presentation by outside counsel and upon conclusion with that presentation there was a motion made by Vice Mayor Rios and seconded by Councilwoman Avalos and on a vote of 5-0, authorized a settlement of that case. Again as with the other case the amount is not being disclosed at this time because the matter is still the subject of further negotiations.

2. CONSIDER THE EVALUATION OF PERFORMANCE OF A PUBLIC EMPLOYEE

Pursuant to Government Code Section 54957 and 54957.6

a. City Manager

On item 2(a), the City Council received a presentation. Guidance was given from and by and to the City Manager and upon completion of that discussion there was no further action taken by the City Council on that item.

ADJOURNMENT

Mayor Davila unanimously adjourned the meeting at 6:34 p.m. by motion of Vice Mayor Rios and seconded by Council Member Avalos.

PASSED and APPROVED this 13th day of October 2020.

ATTEST:

Maria Davila, Mayor

Carmen Avalos, City Clerk

**CITY OF SOUTH GATE
REGULAR CITY COUNCIL MEETING
MINUTES
TUESDAY, SEPTEMBER 22, 2020**

CALL TO ORDER Maria Davila, Mayor called a Regular City Council meeting to order at 6:35 p.m.

INVOCATION Randy Davis, Chief of Police

PLEDGE OF ALLEGIANCE Joe Perez, Director of Community Development

ROLL CALL Carmen Avalos, City Clerk

PRESENT Mayor Maria Davila, Vice Mayor Al Rios, Council Member Maria del Pilar Avalos, Council Member Denise Diaz and Council Member Gil Hurtado; City Treasurer Gregory Martinez, City Manager Mike Flad, City Attorney Raul F. Salinas

Mayor Davila congratulated South Gate resident Maria Gudelia Caceres for celebrating her 103rd Birthday.

1
PROCLAMATION The City Council issued a Proclamation declaring the week of October 4 through 10, 2020, as Mental Illness Awareness Week.

EXCUSED FROM MEETING During the discussion of Item #2, Council Member Diaz lost her Zoom connection and was unable to rejoin the City Council Meeting.

2
CITY FEES The City Council opened the Public Hearing and considered continuing consideration of a Resolution amending Resolution No. 7872 (Schedule of Fees) to apply a 3.36% rate increase to the residential refuse collection and recycling services for Fiscal Year 2020/21, retroactively effective July 1, 2020, to the regularly scheduled City Council meeting of October 27, 2020.

The City Manager stated that it is staff's recommendation to continue this item to the City Council meeting of October 27, 2020.

Mayor Davila opened the public hearing and asked if anyone in the audience wishes to speak on this item. Seeing no one come forward, Mayor Davila closed the public hearing.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 22, 2020

2

CITY FEES CONT'D

City Clerk Avalos read into the record the comments received by email from Renee Acero who is against the fee increase and if the increase has to go through, he thinks the City should cover the cost. It should not be put on the residents.

City Clerk Avalos read into the record the comments received by email from Vivian Hohenbeck who is against the fee increase.

Staff's recommendation to continue this item to the City Council meeting of October 27th was approved by motion of Mayor Davila and seconded by Council Member Avalos.

Roll Call: Mayor Davila, yes; Vice Mayor Rios, yes; Council Member Hurtado, yes; Council Member Avalos, yes; Council Member Diaz, absent.

3

CONSOLIDATED PLAN

The City Council opened the Public Hearing and approved A and B with amended amounts by motion of Council Member Avalos and seconded by Council Member Hurtado.

Roll Call: Mayor Davila, yes; Vice Mayor Rios, yes; Council Member Hurtado, yes; Council Member Avalos, yes; Council Member Diaz, absent.

- a. Adopted Resolution No. 2020-35-CC entitled - A Resolution of the City Council of the City of South Gate, California, approving the Fiscal Years 2020/21-2024/25 Consolidated Plan; the Annual Action Plan for Fiscal Year 2020/21; the 2020 Analysis of Impediments to Fair Housing Choice; and the Citizen Participation Plan; and authorizing the City Manager, or designee, to submit to the U.S. Department of Housing and Urban Development; and
- b. Provided direction on the appropriation of \$1,006,581 of un-programmed CDBG funds and \$907,967.67 of un-programmed HOME funds.

| Project | Recommendation | Amendment |
|--|-----------------------|------------------|
| Park Fence Repair | \$400,000.00 | \$0.00 |
| Commercial Façade Improvement | \$350,000.00 | \$200,000.00 |
| Tweedy Mile | \$60,000.00 | \$60,000.00 |
| Family Violence Prevention & Education | \$10,000.00 | \$70,000.00 |
| Police Explorers | \$7,000.00 | \$25,000.00 |

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 22, 2020

**3
CONSOLIDATED PLAN
CONT'D**

| | | |
|---|--------------|--------------|
| Graffiti Abatement | \$140,000.00 | \$140,000.00 |
| The Salvation Army | \$22,500.00 | \$22,500.00 |
| Helpline Youth Counseling | \$22,500.00 | \$22,500.00 |
| Southern California Rehab Services | \$8,000.00 | \$8,000.00 |
| Comptior | \$0.00 | \$100,000.00 |
| Food Insecurity Program | \$0.00 | \$114,500.00 |
| Small Business Grant Assistance (Chamber of Commerce) | \$0.00 | \$100,000.00 |
| Youth Employment Program (HUB Cities) | | \$157,500.00 |

| Project | Recommendation | Amendment |
|---|-----------------------|------------------|
| Small Business Grants | \$400,000.00 | \$200,000.00 |
| Mental Health | \$150,000.00 | \$225,000.00 |
| Family Violence and Prevention | \$10,000.00 | \$70,000.00 |
| Food Insecurity | \$216,581.00 | \$250,000.00 |
| Rental/Utility Assistance | \$150,000.00 | \$175,000.00 |
| Workforce Development (HUB Cities) | \$50,000.00 | \$50,000.00 |
| Illegal Dumping Program (LB Conservation Corps) | \$30,000.00 | \$36,587.00 |

| Project | Recommendation | Amendment |
|--------------------------------|-----------------------|------------------|
| First Time Home Buyer Program | \$200,000.00 | \$300,000.00 |
| Home Improvement Program | \$0.00 | \$300,000.00 |
| Affordable Housing Development | \$707,967.67 | \$307,967.67 |

Joe Perez, Director of Community Development provided a presentation on this item.

Vice Mayor Rios asked if the Commercial Façade Improvements and Park Fence Repairs are something that we need to do at this time.

Mr. Perez explained the purpose of the Commercial Façade Improvement Program and how these funds are normally restricted for certain projects but during the COVID environment we are allowed to use the funds on COVID related services.

Mayor Davila opened the public hearing and asked if anyone in the audience wishes to speak on this item.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 22, 2020

3
CONSOLIDATED PLAN
CONT'D

City Clerk Avalos read into the record the comments received by email from Adrian Kent who would like to see the money allocated to provide programs to feed the community, subsidize utility bills and help small businesses.

City Clerk Avalos read into the record the comments received by email from Melodie Cuevas who would like to see the money allocated to provide programs to feed the community, subsidize utility bills and help small businesses.

City Clerk Avalos read into the record the comments received by email from Natasha Dominguez who would like to see the money allocated to support the needs of the community.

Virginia Johnson, 5751 McKinley Avenue, spoke on the guidelines of HUD and distribution of funds.

Caller #967 suggested the City look to the Public Health Report recommendations to allocate the money appropriately.

Veronica, resident, suggested additional funding for homeless programs.

Seeing no one come forward, Mayor Davila closed the public hearing.

Vice Mayor Rios recommended allocating some of the funds for youth employment programs and homeless programs.

Council Member Avalos recommended allocating some of the funds for food programs, small businesses with funds distributed through the Chamber of Commerce, and programs for mental health. She would like to reallocate some of the funds from Helpline Youth Counseling to Compator for rental assistance, utility assistance or vouchers for motels. Council Member Avalos would like to see an increase in funds for the Family Violence Program and the South Gate Explorers.

Council Member Hurtado asked on the time frame to bring the CAC Committee back together as they have not met since early in the year before the pandemic and the additional funding options were available. Council Member Hurtado wants to get the funds to the community as quickly as possible.

Mr. Perez responded that if the City follows the normal CAC process it would be an additional few months before funds would be distributed. We would need to let the community know that there is an application time period. The organizations are then given the opportunity at a separate meeting to preset what services they have available to the Community.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 22, 2020

3
CONSOLIDATED PLAN
CONT'D

Then there is a deliberation meeting that the CAC member review. It is a lengthy process.

Mayor Davila asked what the HUD guidelines that the City has to follow right now.

Mr. Perez explained the funding options available to the City Council.

Council Member Avalos recommended lowering the funding for the Commercial Façade Improvements from \$350,000 to \$200,000; lowering the funding for the Park Fence Repair from \$400,000 to \$200,000; increase funding for the family violence program from \$10,000 to \$70,000; increase funding for the Police Explorers from \$7,000 to \$25,000; provide \$100,000 for Compator; divide the remaining funds for a food voucher program (working with a Grocery Store) and small business support (working with the Chamber of Commerce).

Vice Mayor Rios recommended additional funding for HUB Cities to provide a virtual youth employment program.

Mr. Perez went over the recommended amounts at this point.

Mayor Davila asked how the allocated money from CDBG funds are spent on the Explorer program.

Chief Davis explained that the funding they receive goes to training, overtime hours, competitions, travel expenses and equipment (uniforms, flashlights, vests) to all of our explorers.

Mr. Perez stated that the changes that were mentioned amount to \$392,500 which is over by \$42,500.

Council Member Avalos asked for clarification on the HOME Program.

Mr. Perez explained that this is the Meals on Wheels program that delivers meals to seniors which works with HSA.

The City Manager recommended taking the rest of the \$200,000 from the Park Fence Repair and continue to use the funding as it does not have restrictions.

Vice Mayor Rios requested \$120,000 for the Youth Employment Program.

Mr. Perez suggested taking the remaining funds of \$157,500 and moving it to Youth Employment.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 22, 2020

3
CONSOLIDATED PLAN
CONT'D

Mr. Perez listed the changes made by the City Council.

Council Member Avalos asked the consultants the process for administering the program with assistance from an organization like the Chamber of Commerce.

Anna Maria, Avant Garde Inc. responded that in regards to administering any of the public service programs, there are specific guidelines that have to be established and for some of the projects they are already created. For example if the Chamber of Commerce is going to be part of the process it is going to have to be something that is going to work with the City and the City has to feel comfortable with the delivery of the funds. The City has to determine how businesses will be selected. It cannot be arbitrarily left up to a subrecipient to make those decisions but they can definitely be trained to follow the guidelines in accordance with HUD compliance. The guidelines would have to be approved by Council.

Council Member Hurtado asked if funding for the businesses on Garfield Avenue and Paramount Boulevard is available.

Mr. Perez responded that the way that the Commercial Rehabilitation Program works is that the businesses need to be determined to be serving areas that are predominantly low to moderate income. While a lot of our projects have been provided for Tweedy Boulevard it is not exclusively limited to Tweedy Boulevard. The City has done projects outside Tweedy Boulevard as long as the businesses meet those requirements.

Council Member Hurtado would like to see funds distributed throughout the whole City.

Mr. Flad stated that staff will provide Council with the geographic locations of the businesses that have been given funding already.

Mayor Davila asked what the next step is.

Mr. Perez responded that so far this evening we talked about the action plan and staff has direction on that. What we can do right now is update the action plan with the new dollar amounts. It will require staff to bring back to Council some new sub-recipient agreements to reflect the changes that have been made and we haven't discussed the programmed funds yet.

Mr. Perez recommended that the discussion continue to the Un-Programmed CDBG Funds in the total of \$1,006,581.00.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 22, 2020

3
CONSOLIDATED PLAN
CONT'D

Council Member Avalos recommended lowering the funding for the Small Business Grants from \$400,000 to \$200,000; increasing the funding for Mental Health from \$150,000 to \$225,000; increase funding for the family violence program from \$10,000 to \$70,000; increase funding for food insecurity from \$216,581 to \$250,000; increase rental/utility assistance from \$150,000 to \$175,000; leaving workforce development the same at \$50,000 and leaving the illegal dumping program the same at \$30,000. Council Member Avalos had concerns with Helpline Youth Counseling and would like to see the funds go to an organization within the City.

Mr. Perez stated that there is a balance of \$6,581 left to allocate.

Mayor Davila was concerned that Compator, Inc. had the staff available to meet the requirements of the funding and recommended that the balance of \$6,581 be added to the illegal dumping program.

Mr. Flad stated that Council could approve the amounts for the programs and staff could report back to Council on the issues brought up about Helpline Youth Counseling and Compator.

Mr. Perez listed the changes made by the City Council.

Mr. Perez recommended that the discussion continue to the Un-Programmed HOME Funds in the total of \$907,967.67.

Council Member Hurtado asked if any of these funds are available for rental assistance.

Mr. Perez responded that usually rental assistance funding comes from CDBG funds and not the HOME funds.

Mr. Flad stated that there will be an additional \$863,000.00 that HUD will be wanting the City to prioritize rental and eviction assistance.

Council Member Avalos recommended increasing the funding for First Time Home Buyer Program from \$200,000 to \$300,000; adding the Home Improvement Program to include \$500,000 in funds and leaving the remainder to affordable housing given the fact that the City was not able to move any of the funds for 2021.

Council Member Hurtado asked if these funds are for current South Gate residents.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 22, 2020

3
CONSOLIDATED PLAN
CONT'D

Mr. Perez responded that when we talk about priorities, we have to be mindful of the fair housing laws that the City needs to operate under. Consistent with past programs we would market this program to the City of South Gate residents.

Mr. Perez clarified the amounts and stated that the money to be allocated for the Affordable Housing Development would be \$107,967.67.

Council Member Avalos changed her recommendation to give the Home Improvement Program \$300,000.

Council Member Hurtado would like to see the Home Improvement amount lower and additional funds be placed in the First Time Home Buyer Program.

Vice Mayor Rios would like more funding placed in Affordable Housing.

Mr. Perez listed the changes made by the City Council.

Mr. Perez stated that this funding will reflect the action plan so staff will not be taking this to the CAC and we can get the money out as soon as possible. We now need Council action and a motion for the adoption of the Resolution and include in the motion the directed funding appropriations that have been provided this evening.

PUBLIC COMMENT

A representative from Supervisor Solis's Office stated that the County will be placing more signage at the Park showing that there is a COVID-19 testing site there. She thanked the City for hosting the testing site and stated that it is one of the largest in Los Angeles County.

Irene Bates, resident, spoke on the deterioration of the City. She stated that the City is not only being taken over by the homeless but by people who want to do harm to others. She would like to see officers walk the streets to provide more security specifically Tweedy Boulevard.

Thomas Buckley spoke on the corruption of the City and lack of free speech for residents.

Ana Ramirez, Southern Rehabilitation Services thanked the City Council for their continued support providing home modifications for people with disabilities.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 22, 2020

PUBLIC COMMENT CONT'D

Adolfo Varas, thanked Council Member Hurtado, Council Member Avalos and Mayor Davila for visiting Compator and learn more about the organization. He would like to see the Vice Mayor do the same and get to know the local businesses and organizations with in the City of South Gate.

Cindy Esquivel requested that the City Council support a City-wide clean up. Once a year the City used to allow residents to put trash in front of their house and it would be picked up in the morning. Maybe a program done by volunteers help clean the alleys. There are many complaints on social media about the trash and dumped furniture.

Chris would like to see more money allocated for youth programs but doesn't agree the extra money for the Police Explorer program. He supports defunding the Police Department and giving more money to the community.

Virginia Johnson, 5751 McKinley Avenue, commented on access to the staff reports and does not understand why people choose to berate City Council and staff for six months finally figure out the process. Ms. Johnson informed the Council of the passing of Bob Briley resident and retired sheriff. In response to the people who support defunding the Police Department and the poll that they conducted with South Gate residents, Ms. Johnson would like to know if they can verify that the people who took the survey were actual City residents. She supports the police department and not defunding, lastly, she said that the City of Bellflower is sponsoring a gift card program to help support local businesses. Residents buy the gift cards to give to friends and relatives and the City of Bellflower will add an extra \$5.00 to each card purchased.

Mayra Mendez, Taft Avenue, said that it looks like the East side of the City is always forgotten. Ms. Mendez would like to see more beautification programs for that area and would like to see a geographic distribution report be made public. She doesn't understand why the City Council should get a car allowance when everyone has to drive to work and use their car. She also supports the Police Explorer program and does not agree with defunding the Police Department.

Liz Ruiz, supports bringing a community garden in the City of South Gate and requested a meeting with the Council to share her proposal.

Mr. Machuca states that the City needs to promote educational programs and not necessarily always funding police programs.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 22, 2020

PUBLIC COMMENT CONT'D

Veronica Hernandez supports defunding the police department and would like to see more money going to youth programs not just the Explorer Program.

City Clerk Avalos read into the record the comments received by email from John Montalvo regarding public comments. He feels that Mayor Davila and certain Department Heads have been overstepping boundaries when it comes from comments from the public during City Council Meetings. The public has the right to criticize any one without the fear of retaliation, censorship or intimidation. He feels that he is being singled out for his comments about the Mayor.

City Clerk Avalos read into the record the comments received by email from Erin Serfass, Ruthie Holmes, and Cyndi Bendezu, that are in support of defunding the Police Department.

City Clerk Avalos read into the record the comments received by email from Veronica Vela who is in support of programs that provide funding for the homeless.

City Clerk Avalos read into the record the comments received by email from Amy Luu and Julie Chan, Library Managers of the Leland R. Weaver Library and the Hollydale Library. They highlighted the programs currently being offered during the time of the pandemic.

REPORTS AND COMMENTS FROM CITY OFFICIALS

Joe Perez, Director of Community Development reminded everyone that the census ends on September 30th.

Art Cervantes, Director of Public Works responded to a few of the public comments. He stated that the Public Works Department has a maintenance program under which we clean the alleyways on a weekly basis. In general the Public Works Department has programs that treats all areas of the City equally and he would be happy to provide more information. The Public Works Department manages a Capital Improvement project that has a number of projects in place for the East side. Construction is just getting started on a \$10 million project that will improve Garfield Avenue from Jefferson to the South City limit. The second project scheduled for Garfield Avenue includes several safety improvements, bikeway improvements, landscape improvements and esthetics. Mr. Cervantes invited the residents to call the Public Works Department if they want to learn more.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 22, 2020

REPORTS AND COMMENTS FROM CITY OFFICIALS

CONT'D

Randy Davis, Chief of Police, spoke on the Explorer Program. For the sake of clarity there are as many that go through the program and end up in the private sector as there are that join law enforcement. The program provides a solid foundation for those kids and we try to direct them into our hourly positions. This allows participants to earn a little money while going to school.

Raul F. Salinas, City Attorney stated that while listening to comments tonight he was reminded of former South Gate Council Member Henry Gonzalez who used to say, "He might not agree with the opinions but he would fight to make sure those opinions were expressed." Mr. Salinas thinks that one of the hallmarks of the City is to allow as much opportunity for the public to comment regardless whether the comments are positive or negative. We should continue to encourage all members of the public to come forward and express their views.

Carmen Avalos, City Clerk stated that the first week in October many residents in the City of South Gate will receive their vote by mail ballots. If people prefer to go to one of the vote centers residents will have that opportunity as well. Due to COVID-19 the State of California has issued every voter a vote by mail ballot to minimize exposure. The County is providing three drop off boxes in the City of South Gate for the ballots. These boxes are available 24-hours a day and will be in place for the next five-years.

Mayor Davila asked how often the boxes are going to be picked up once the ballots are dropped off.

City Clerk Avalos responded that she is not sure of the actual pick up days will be but they will be picked up at least twice a week.

Vice Mayor Rios asked what the status is for the Vote Centers.

City Clerk Avalos responded that it is her understanding is that there will be a Vote Center at South Gate Park in the Sports Center.

Council Member Avalos would like to reach out to LAUSD to see what type of programs they offer youth in regards to STEAM which was suggested by one of our residents. She would also like to get more information regarding the possibilities for a community garden.

Council Member Avalos recognized the following employees for continuing their education: Yasmin Carrera, Police Department; Jacklyn Ramirez, Police Department; Caesar Godinez, Street Department; Ian Knot, Parks Department.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 22, 2020

REPORTS AND COMMENTS FROM CITY OFFICIALS

CONT'D

Council Member Hurtado said that he has been talking to a few residents that would like to do a City wide clean up. There is a level of hesitation due to the COVID issue but if we are careful and follow health guidelines he would like to see if we can do this. He would like to also set up a meeting with Lizette Ruiz to discuss the Community Gardens. Lastly, Council Member Hurtado spoke with Alex Adams from Southeast High School who would like to work with the City of South Gate to offer students internships.

Vice Mayor Rios attended a backpack/headphone giveaway in the City of Lynwood hosted by Speaker Rendon's Office. He thanked Senator Lena Gonzalez for meeting with us the past week. Vice Mayor Rios requested an update on the WIFI project and he asked that staff look into reaching out to the League of Women Voters to get information on the Measures. HUB Cities move to the American Legion building has been delayed as they work on updating the offices.

Mayor Davila thanked the community for participating and know that the Council is listening to you. She also thanked staff for their professionalism and hard work.

CONSENT CALENDAR

Agenda Items 5, 8 and 10 were unanimously approved by motion of Vice Mayor Rios and seconded by Mayor Davila. Items 4, 6, 7 and 9 were pulled for separate discussion.

Roll Call: Mayor Davila, yes; Vice Mayor Rios, yes; Council Member Hurtado, yes; Council Member Avalos, yes; Council Member Diaz, absent.

4

CDBG

The City Council approved A and B by motion of Vice Mayor Rios and seconded by Mayor Davila.

Roll Call: Mayor Davila, yes; Vice Mayor Rios, yes; Council Member Avalos, no; Council Member Hurtado, yes; Council Member Diaz, absent.

a. Approved Community Development Block Grant (CDBG) Program Subrecipient Agreements for Fiscal Year 2020/21 with:

1. The Fair Housing Foundation (Contract No. 2020-91-CC) in the amount of \$24,000;
2. Southern California Rehabilitation Services (Contract No. 202-92-CC) in the amount of \$8,000;

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 22, 2020

4

CDBG CONT'D

3. The Salvation Army, DBA The Salvation Army Western Territory (Contract No. 2020-93-CC) in the amount of \$22,500;
 4. Helpline Youth Counseling (Contract No. 2020-94-CC) in the amount of \$22,500;
 5. The Tweedy Mile Association (Contract No. 2020-95-CC) for a total amount of \$60,000; each of the ten participating businesses will receive a \$6,000 grant for exterior improvements; and
- b. Authorizing the Mayor to execute the Agreements in a form acceptable to the City Attorney.

5

SCADA

The City Council approved A and B during Consent Calendar.

- a. Approved Amendment No. 1 to Contract No. 3377 with HydroScientific West extending as-needed technical support services for the Supervisory Control and Data Acquisition System for an additional two years, in an amount not-to-exceed \$60,000, or \$30,000 annually; and
- b. Authorized the Mayor to execute Amendment No.1 in a form acceptable to the City Attorney.

6

WATER PLANNING

The City Council approved A and B by motion of Council Member Hurtado and seconded by Vice Mayor Rios.

Roll Call: Mayor Davila, yes; Vice Mayor Rios, yes; Council Member Avalos, no; Council Member Hurtado, yes; Council Member Diaz, absent.

- a. Approved Groundwater Pumping Water Rights Lease Agreement (Contract No. 2020-96-CC) with the City of Cerritos to lease 1,000 acre-feet of the City's unused water rights, annually, for a three-year term retroactively effective July 1, 2020;
- b. Approved Groundwater Pumping Water Rights Lease Agreement (Contract No. 2020-97-CC) with the City of Compton to lease 900 acre-feet of the City's unused water rights, annually, for a two-year term beginning Fiscal Year 2021/22; and
- c. Authorized the Mayor to execute the Agreement in a form acceptable to the City Attorney.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 22, 2020

7
POLICE

The City Council considered:

- a. Approving an Agreement with E.C. Construction Co., to construct the South Gate Police Department Parking Lot Expansion Project (Project), City Project No. 594-GEN, in an amount not-to-exceed \$154,674;
- b. Authorizing the Mayor to execute the Agreement in a form acceptable to the City Attorney; and
- c. Approving the Notice of Exemption for the construction of the Project and direct the City Clerk to file it with the Los Angeles County Registrar Recorder's Office.

The City Council directed Staff to bring back information on the cost of a multilevel parking structure.

8
FINANCIAL AUDITS

The Council approved A, B, and C during Consent Calendar.

- a. Received and filed this staff report summarizing the results of the telecommunication services accounts audit (voice, data, internet, cloud services and mobile/cellular);
- b. Approved Amendment No. 1 to Contract No. 2020-08-CC with The SpyGlass Group, LLC, to increase the not-to-exceed amount from \$50,000.00 to \$100,000.00; and
- c. Authorized the Mayor to execute Amendment No. 1 in a form acceptable to the City Attorney.

9
EQUIPMENT PURCHASE

The City Council authorized the issuance of a Purchase Order with Fritts Ford for the purchase of a F550 Dump Truck for the Parks & Recreation Department in the total amount of \$58,999.16 by motion of Mayor Davila and seconded by Vice Mayor Rios.

Roll Call: Mayor Davila, yes; Vice Mayor Rios, yes; Council Member Avalos, no; Council Member Hurtado, yes; Council Member Diaz, absent.

REGULAR CITY COUNCIL MEETING MINUTES OF SEPTEMBER 22, 2020

**10
MINUTES**

The City Council approved A and B during Consent Calendar.

- a. The Special City Council Meeting minutes of August 19, 2020;
and
- b. The Regular and Special City Council Meeting minutes of
August 25, 2020.

**11
WARRANTS**

The City Council approved the Warrants and Cancellations for September 22, 2020 with the exception of #90041 by motion of Council Auditor Avalos and seconded by Mayor Davila.

| | |
|---------------------------|------------------------|
| Total of Checks: | \$1,732,025.76 |
| Voids: | (\$ 2,677.50) |
| Total Payroll Deductions: | <u>(\$ 345,256.00)</u> |
| Grand Total: | \$1,384,092.26 |

Cancellations: 89419, 89698

Roll Call: Mayor Davila, yes; Vice Mayor Rios, yes; Council Member Avalos, no; Council Member Hurtado, yes; Council Member Diaz, absent.

ADJOURNMENT

Mayor Davila adjourned the meeting at 10:55 p.m. and seconded by Council Member Avalos.

PASSED and APPROVED this 13th day of October 2020.

ATTEST:

Maria Davila, Mayor

Carmen Avalos, City Clerk

RECEIVED

Item No. 12

OCT 7 - 2020

City of South Gate
CITY COUNCIL

CITY OF SOUTH GATE
OFFICE OF THE CITY MANAGER

2:35pm

AGENDA BILL

For the Regular Meeting of: **October 13, 2020**
Originating Department: **Community Development**

Acting Director: 
Dianne Guevara


City Manager: 
Michael Flad

SUBJECT: SUMMARY REPORT OF THE FREE PUBLIC WIRELESS (WI-FI) NETWORK ACCESS IN THE TWEEDY MILE DISTRICT AND SOUTH GATE PARK

PURPOSE: To receive and file a summary report of the free public wireless network access in the Tweedy Mile District and South Gate Park, and provide direction to staff.

RECOMMENDED ACTIONS: The City Council will consider:

- a. Receiving and filing a summary report pertaining to the free public wireless (Wi-Fi) network access in the Tweedy Mile District and South Gate Park areas; and
- b. Selecting one of the options below on how to proceed with implementing the free public Wi-Fi access in these two designated areas:
 - 1. The **First Option** is to move forward with implementing the free public Wi-Fi access independently and issue a Request for Proposals (RFP); **OR**
 - 2. The **Second Option** is to move forward with working with Spectrum/Charter Communications under a Public Private Partnership; **OR**
 - 3. The **Third Option** is to move forward with both the RFP process and continue working with Spectrum/Charter Communications as a paralleled approach.

 **FISCAL IMPACT:** The estimate is \$125,000 per site (Tweedy Mile District and South Gate park), or \$250,000 in total. Funds, in the amount of \$100,000, were included in the Fiscal Year 2020/21 Municipal Budget for this item in the Urban Development Action Grant (UDAG) Fund in Account Number 262-603-41-6101 (UDAG - Professional Services). Based upon the option the City Council chooses, additional funds will likely need to be appropriated from the unallocated balance of the UDAG Fund which is approximately \$450,000.

ALIGNMENT WITH COUNCIL GOALS: The proposed actions meet the City Council's goals to continue creating and protecting strong and sustainable neighborhoods by providing free public Wi-Fi to South Gate residents.

ANALYSIS: The primary purpose of the Tweedy Mile/South Gate Park Wi-Fi project is to provide dependable and free internet access to the general public. The project will provide no-fee public access to the internet within the coverage area and will be able to accommodate the needs

of the Tweedy Mile businesses, and residents using park facilities. The City intends to have a portal page for system access, which may be used to facilitate the dissemination of City news and information. The project is expected to provide a strong signal to both indoor and outdoor areas of the entire coverage area. All equipment (access points, antennas, power supplies, etc.) should not negatively impact the appearance of publicly visible areas, and City owned property.

Splice Communications, Inc.

On July 11, 2019, the City approved Contract No. 3543 with Splice Communications, Inc. (Splice) for onsite IT support services. Under this Agreement, Splice was tasked to conduct on-site surveys of South Gate Park and Tweedy Mile District to determine the feasibility of a large scale Wi-Fi project. (Attachment A). The purpose of the surveys were to gather all relevant information needed to develop engineering specifications for the provisions of free public Wi-Fi in the two areas in the City.

A site survey was conducted at South Gate Park on September 22, 2019, for the purposes of improving the City’s wide area network reach (Attachment B). The assessment showed the park having a large number of light poles with power and structures which could facilitate the mounting of backhaul and Wi-Fi equipment. There are also several points of internet available at this location, and nearby locations which could be extended via underground fiber (if present) or by utilizing Microwave Wireless Equipment. Splice recommend Meraki’s series of firewall options to ensure high reliability with granular visibility and history in the network thereby allowing a simplified management approach under one pane of glass. Based on data collected by the site survey, Splice has engineered a new optimum Wi-Fi Design with key placement in areas that will maximize Wi-Fi reach and performance for users. Based on the site assessment, Splice expects the following quantities of equipment required for South Gate Park:

| Device Type | Quantity |
|--|----------|
| Firewall | 1 |
| Core Switch | 1 |
| Switching + Wi-Fi Management Appliance | 1 |
| Sectored PTMP Base stations | 3 |
| PTMP CPE End Points | 20 |
| Remote Switches | 20 |
| POE Injectors | 18 |
| Access Points | 38 |

A site survey was also conducted in the Tweedy Mile District on the week of September 22, 2019 (Attachment C). The Tweedy Mile District has a large number of light poles with power and mounting locations which could facilitate the mounting of backhaul and Wi-Fi equipment. There are also several points of internet available throughout the Tweedy Mile District, and nearby locations which could be extended via underground fiber (if present) or by utilizing Microwave Wireless Equipment. Based on survey data, Splice engineered a new optimum Wi-Fi Design with key placement in areas that will maximize Wi-Fi reach and performance for users. Based on the design, Splice expects the following quantities of equipment required for the Tweedy Mile District:

| Device Type | Quantity |
|--|----------|
| Firewall | 2 |
| Core Switch | 1 |
| Switching + Wi-Fi Management Appliance | 2 |
| Sectored PTMP Base stations | 8 |
| PTMP CPE End Points | 28 |
| Remote Switches | 28 |
| Access Points | 28 |

The reports generated from Splice’s assessment provide a clear and concise plan related to the placement of access points, wireless bridges, as well as other key hardware. They also offer recommendations for specific makes/models of hardware. These reports show the goal of coverage, an attainable one and go as far to identify specific mounting points/height. The survey gathered the following data:

- Optimal locations for the placement of equipment to provide Wi-Fi coverage
- Power options for network equipment
- Backhaul
- Existing network connections and equipment
- Existing public or private Wi-Fi networks

The reports do not include how each device would be powered (backhaul radio or AP) but do mention the use of solar stations. Splice determined another more in-depth survey would be needed to identify exact power plans for each device. The cost to perform this additional survey was quoted at \$57,750. It is proposed that this portion of the assessment be rolled over into the Request for Proposals process and to simply let the vendors propose their own solutions in the bidding process.

While no hard number was ever provided by Splice, the recurring estimate continues to be around \$125,000 per site (Park and Tweedy Mile), or \$250,000 in total. Maintenance and continued support of the network have not been discussed. An ownership of the project post-install would need to be established (City internal IT staff, contractor, etc). Another unknown cost is that of providing bandwidth service to the Wi-Fi to be shared out. The internet connection’s cost will vary based on speed and type.

Spectrum- Charter Communications

Through Spectrum Internet, Charter Communications program, Spectrum offers a service in which they provide Wi-Fi coverage for free to certain communities as both a free service and a value add for their own customers. This option would essentially be free to the City outside of powering the devices. Spectrum needs to make sure this market would work for them before proceeding so they would conduct their own site survey assessment before proceeding. This process has been started and has been quoted as one that will take approximately 6 months. Outside of the financial benefit of zero upfront costs, this will also present the City with the least amount of liability as the project will be maintained and monitored by Spectrum themselves. The caveat is that free use/access will be limited to a certain amount of time per day for non-spectrum customers.

Next Steps

The City Council has three options on how to move forward with implementing free public Wi-Fi in these two designated areas in the City:

- The **First Option** would be to move forward with implementing the Wi-Fi project independently, and then issue a Request for Proposals (RFP) from qualified firms interested in providing Wi-Fi implementation services. Once the City selects a firm to implement the project, a future item will be presented to the City Council to consider a budget appropriation. The scope of services for the RFP would include system design; providing all necessary equipment; identifying suitable locations for mounting equipment; installation services for all equipment; providing all necessary software and latest firmware updates; conducting necessary testing to assure acceptable service in the coverage area; providing and administer manufacturer's warranty; providing any necessary training to City staff; providing options for back haul internet service for the Wi-Fi network; and providing post installation support of the system, as needed.
- The **Second Option** would be to move forward with working with Spectrum/Charter Communications under a Public Private Partnership. In order to move forward with this option, staff must sign the Charter authorization form to allow Spectrum/Charter to begin their own site survey analysis.
- The **Third Option** would be to move forward with both the RFP process and to continue to work with Spectrum/Charter as a paralleled approach.

Staff is still working on analyzing the differences in equipment/broadband between the proposed options to determine if the quality of the project will be the same. Once Spectrum/Charter Communications completes their site assessment, they will then be able to provide a recommendation to the City regarding broadband usage and equipment. An update report for discussion will be presented to the City Council summarizing the outcome of either of these recommended options in the near future.

BACKGROUND: The City Council requested staff to research the possibility of providing free Wi-Fi access in the Tweedy Mile District and South Gate Park areas. This project is to provide standard 802.11ac Wi-Fi access for business and consumer class Wi-Fi devices found in notebook computers, tablets, and smartphones. The primary use will be to provide a free "Wi-Fi Hot Zone." While the scope of this project is specific to the specified locations, this project may be used as a measure for future wireless initiatives, which may involve further additional hot zones. It is imperative that the proposed system is scalable and that the proposal includes that expansion path.

Public Wi-Fi zones assist with economic development, including the ability to promote local businesses on a splash or landing page, will attract visitors due to free Wi-Fi and will provide an opportunity for those who might otherwise not be able to have the internet at home (whether this is because there is no option for a fast connection, or whether they simply cannot afford one) to access the internet from a broad area.

Staff is seeking direction from the City Council on next steps in implementing the free Wi-Fi project.

- ATTACHMENTS:**
- A. Location Map
 - B. South Gate Park Site Survey Summary
 - C. Tweedy Mile Site Survey Summary

Coverage Map

ATTACHMENT A



South Gate Park
Perimeter: 1.47 miles
Area: 0.14 square miles



Tweedy Mile
Perimeter: 2.58 miles
Area: 0.1 square miles

Hunt Av.

ATTACHMENT B

Splice – South Gate / Southgate Park Site Survey Summary



Preface

Confidentiality Statement

The information contained in this document is confidential and proprietary to Splice Communications Inc., (Splice). Splice submits this information with the understanding that **BACO Realty Corporation (BACO)** will hold it in strict confidence. The contents are not to be disclosed, duplicated or used, in whole or in part, for any purpose other than the evaluation of Splice's qualifications or participation in the scope of work identified within this document.

Disclaimer

The obligation of the parties to perform the effort identified in this document is subject to the execution of a written agreement between the parties.

Contacts

Any questions concerning this document can be addressed to:

Kyle Jones

T 650 577 2342

kjones@splicetelecom.com

Company Profile

Corporation Name and Address

Splice Communications Inc.
2225 East Bayshore Road, #200
Palo Alto, CA. 94303
<http://www.splicens.com/>

Type of Entity: Private Corporation (C-Corporation)

State of Incorporation: California

Date Founded: 2002

Company Size: 250 direct and contract employees

Primary Industries Served: Splice currently serves a wide range of customers that spreads across several industries and verticals. We have found particular success in the healthcare, retail and manufacturing markets.

Splice has been providing Help Desk, Infrastructure Monitoring and Telecom Carrier Management services for over 16 years. What differentiates Splice from other providers, is the scope and geographic service reach we offer to and for our clients. Most Managed Services providers (MSPs) are geographically regional and limited in terms of their abilities to provide services. While they are limited to specific metro areas of service, Splice has the capability and infrastructure to be able to provide its services to national/global companies with multiple locations. Another key differentiator is our ability to empower the employee end users to initiate Help Desk requests and to receive assistance immediately (2 minutes or less). Other providers or internal IT organizations require a waiting period of hours to days after a request for service is submitted.

Over **85%** of all client service requests by our technicians are resolved in the first engagement and usually in less than 18 minutes. Our team of over **250 technicians** are staffed to manage high volumes of requests **24 x 7 x 365**, which provides relief for the end users and for our clients' IT team, so they can focus on higher priority projects and initiatives. Our Infrastructure and Telecom Carrier Management services empower IT Teams, and office managers to delegate extremely time intensive implementation and resolution tasks to our team with a greater level of efficiency and urgency, resulting in dramatically reduced "down time". Our robust, combined service offering is unique in the market and provides our clients with the peace of mind to delegate a wide level of daily IT tasks to our team.

Our customer retention rate is over 98% with most customers extending an average 24-month contract to an additional 24-36 months.

Splice has been recognized by **Inc 500** as one of the Fastest Growing Private Companies in the U.S

SOUTHGATE PARK SITE SURVEY SUMMARY

A site survey was conducted at SouthGate Park on the week of September 22, 2019 for the purposes of improving the City of SouthGate's wide area network reach. The Park has a large number of light poles with power and structures which could facilitate the mounting of backhaul and WIFI equipment. There are also several points of internet available at this location, and nearby locations which could be extended via underground fiber (if present) or by utilizing Microwave Wireless Equipment. We recommend Meraki's series of firewall options to ensure high reliability with granular visibility and history in the network thereby allowing a simplified management approach under one pane of glass.

Backhaul to each light pole/ mounting location can be accomplished via a Microwave Point to MultiPoint System and also utilizing the Ruckus Wireless Mesh in certain instances. For the Point to MultiPoint System we highly recommend avoiding unlicensed WIFI bands to prevent interference. We recommend Siklu's Multi-Haul Series of Backhaul Equipment as it utilizes the 60GHz band to deliver reliable high secure bandwidth to the endpoints. A lower cost alternative that may also be a good fit is IgniteNet's MetroLinq product as it also utilizes the 60GHz band for backhaul delivery.

Due to the park's high attenuation from trees and other obstructions we highly recommend Ruckus Wireless series of products as the beamforming nature of the carrier grade antennas and radios allow the reach of the WIFI to extend beyond traditional approaches. Management of the switching equipment and WIFI equipment can all be done under the Ruckus SmartZone Management Appliance. Distribution of the WIFI can be managed by the SmartZone Management Appliance, or for advertising and monetization Purple WIFI can be Added accordingly. Through this system the end users would enjoy a seamless WIFI experience throughout the in-scope areas.

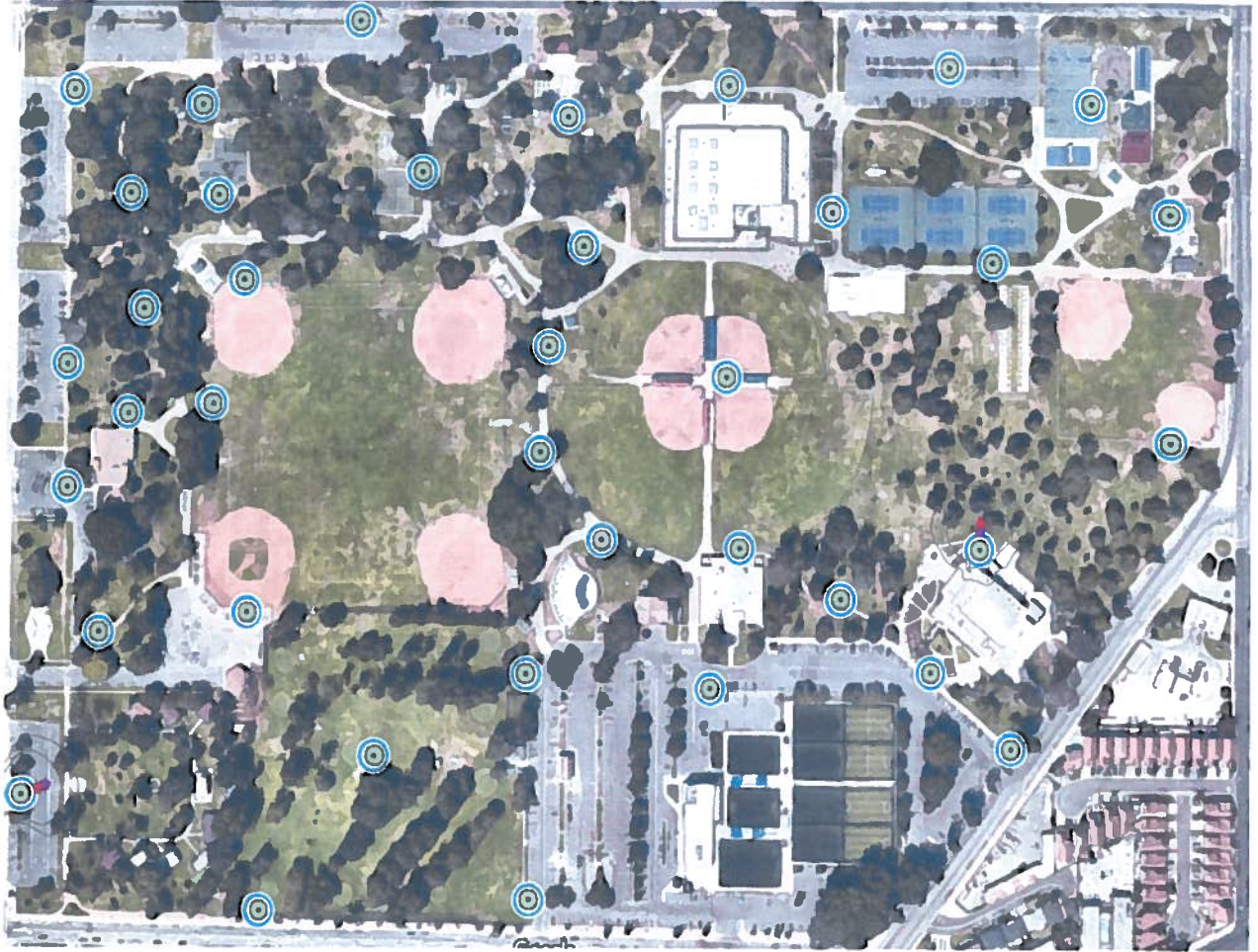
Based on our Google KMZ Survey Data we have engineered a new optimum WIFI Design with key placement in areas that will maximize WIFI reach and performance for your end users. Based on the design we preliminarily expect the following quantities of equipment required for SouthGate Park:

| Device Type | Quantity |
|---------------------------------------|----------|
| FIREWALL | 1 |
| CORE SWITCH | 1 |
| SWITCHING + WIFI MANAGEMENT APPLIANCE | 1 |
| SECTORIZED PTMP BASESTATIONS | 3 |
| PTMP CPE END POINTS | 20 |
| REMOTE SWITCHES | 20 |
| POE INJECTORS | 18 |
| ACCESS POINTS | 38 |

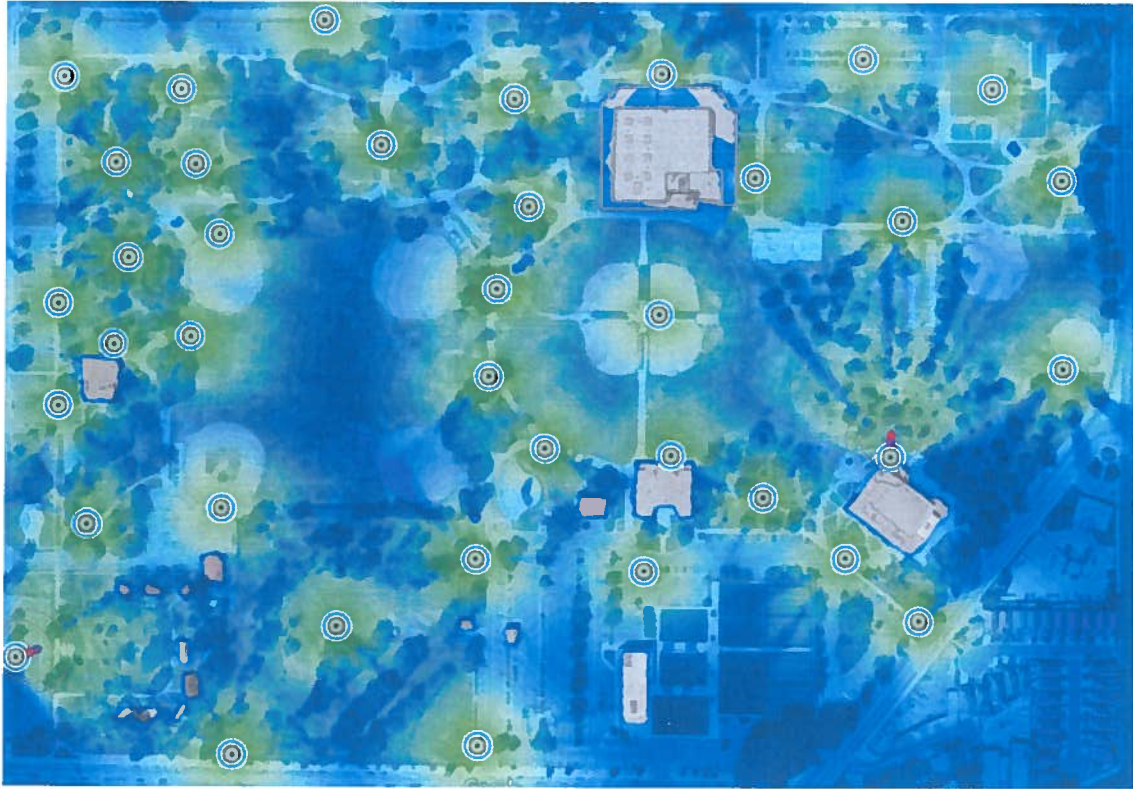
Mounting Location Options Google KMZ Data (HD Resolution and KMZ Data are available upon request)



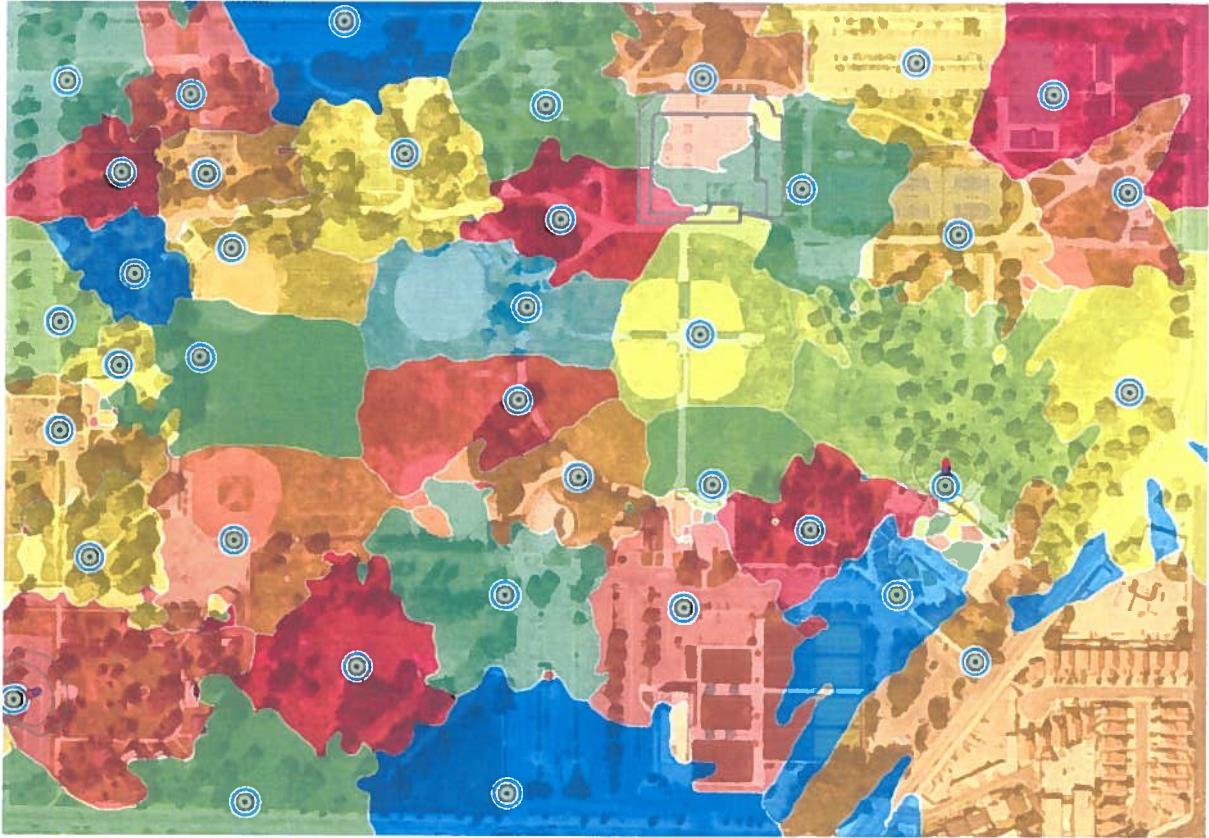
EKAHAU WIFI DESIGN utilizing Ruckus Wireless T310 Series Access Points



5GHz RF RSSI PREDICTION



ACCESS POINT ZONE CONFIGURATION BASED ON MOUNTING LOCATIONS



FIREWALL OPTIONS



MX Sizing Guide

SEPTEMBER 2018

This document describes how to size your Cisco Meraki MX security appliances based on your organization's security, identity, and compliance requirements. It also provides information on how to size your MX appliances based on your organization's requirements.

Overview

Cisco Meraki MX Security Appliances are Unified Threat Management (UTM) products. UTM products offer multiple security features in a simple-to-deploy, consolidated form factor. Given the number of security features that can be deployed in any given MX, device performance will vary depending on the use case. Choosing the right MX depends on the use case and the deployment characteristics.

This technical guide is designed to help answer the following questions:

- How do I decide which MX model I need?
- Which features should I turn on?
- How do MX models compare against the competition?

Choosing the right hardware

Cisco Meraki MX products come in 8 product families. The chart below outlines MX hardware properties available under each family.

| | MX64(W) | MX65(W) | MX67(W/C) | MX68(W/CW) | MX84 | MX100 | MX250 | MX450 |
|---|---------|---------|-----------|------------|------|-------|-------------|-------------|
| Dual Wan Links | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 3G / 4G Failover | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Built-In LTE Modem Model Available | | | ✓ | ✓ | | | | |
| Built-In Wireless Available | ✓ | ✓ | ✓ | ✓ | | | | |
| Built-In PoE+ Model Available | | ✓ | | ✓ | | | | |
| Hard Drive | | | | | 1TB | 1TB | 128GB (SSD) | 128GB (SSD) |
| Fiber Connectivity | | | | | SFP | SFP | SFP, SFP+ | SFP, SFP+ |
| Dual Power Supply | | | | | | | ✓ | ✓ |
| Form Factor | Desktop | Desktop | Desktop | Desktop | 1U | 1U | 1U | 1U |

Network performance benchmarks

Industry standard benchmarks are designed to help you compare MX security appliances to firewalls from other vendors. These tests assume perfect network conditions with ideal traffic patterns. When measuring maximum throughput for a certain feature, all other features are disabled. Actual results in production networks will vary.

| | MX 64/65 series | MX 67/68 series | MX 84 | MX 100 | MX 250 | MX 450 |
|--|-----------------|-----------------|----------|----------|--------|--------|
| Max throughput with all security features enabled | 200 Mbps | 300 Mbps | 320 Mbps | 650 Mbps | 2 Gbps | 4 Gbps |
| Max Stateful (L3) firewall throughput in passthrough mode | 250 Mbps | 450 Mbps | 500 Mbps | 750 Mbps | 4 Gbps | 6 Gbps |
| Max Stateful (L3) firewall throughput in NAT mode | 200 Mbps | 450 Mbps | 500 Mbps | 750 Mbps | 4 Gbps | 6 Gbps |
| Max VPN throughput | 100 Mbps | 200 Mbps | 250 Mbps | 500 Mbps | 1 Gbps | 2 Gbps |
| Max concurrent VPN tunnels ¹ (site-to-site or client VPN) | 50 | 50 | 100 | 250 | 3,000 | 5,000 |
| Recommended maximum concurrent VPN tunnels ² (site-to-site or client VPN) | 50 | 50 | 100 | 250 | 1,000 | 1,500 |
| Max AMP throughput | 250 Mbps | 300 Mbps | 500 Mbps | 750 Mbps | 2 Gbps | 4 Gbps |
| Max IDS throughput | 200 Mbps | 300 Mbps | 320 Mbps | 650 Mbps | 2 Gbps | 4 Gbps |

The SD-WAN feature set for the MX includes active-reactive VPN, which creates VPN tunnels between peers on available uplinks in order to make the most efficient possible use of available WAN bandwidth. A connection between two peers can therefore contain up to four tunnels, depending on the number of MX appliances at each site. This should be taken into consideration when making VPN sizing decisions.

¹ The maximum concurrent VPN tunnels are based on lab testing scenarios where no client traffic is transferring over the VPN tunnels.

² Recommended concurrent VPN tunnels are based on lab testing scenarios with client traffic transferring over VPN tunnels.

Features, benefits and performance impact

UTM products come with a variety of security and networking features. Understanding the benefits and tradeoffs of these features is crucial to getting the maximum security benefit without unnecessary performance degradation.

| | BENEFITS | PERFORMANCE IMPACT | RECOMMENDATIONS |
|--------------------------------------|---|---------------------------|---|
| Malware protection | Blocks HTTP-based file downloads based on the disposition received from the Cisco AMP cloud | High | Consider disabling for guest VLANs and using firewall rules to isolate those VLANs. Also consider disabling if you run a full malware client like AMP for Endpoints on host devices. |
| IDS / IPS | Provides alerts / prevention for suspicious network traffic | High | Consider not sending IDS/IPS syslog data over VPN in low-bandwidth networks. |
| VPN | Secure, encrypted traffic between locations | Medium | Use split-tunnel VPN and deploy security services at the edge. |
| Web caching | Accelerating access to Web content by caching locally | Medium | Ideal for repetitively accessing heavy multimedia content frequently for low bandwidth networks. Not recommended for high bandwidth networks. Please note that YouTube doesn't support web caching. |
| Content filtering (top sites) | Category based URL filtering using locally downloaded database | Low | Choose this option if your priority is speed over coverage. |
| Content filtering (full list) | Category based URL filtering using the full database hosted at Brightcloud.com | Medium | Choose this option if your priority is 100% coverage and security. Web browsing will be slightly slower at the beginning but will improve as more and more URL categories are cached. |
| Web safe-search | Turning Google / Bing safe-search option on | Low | Must be deployed in tandem with "disable encrypted search" option to be effective. |
| Blocking encrypted search | Disabling Google / Bing searches via https (port 443) allowing Web safe-search enforcement | Low | Must be deployed in tandem with "Web safe-search" to be effective. Requires a DNS setting modification, otherwise will also break Google apps. Check Meraki knowledge base for further information. |

Client recommendations

Although there is no hard limit on the number of client devices that can be deployed below MX Security Appliances, for purposes of this document all tests were performed with the client counts shown in the table below. Exceeding these client counts may result in performance that varies from the sizing data contained in this guide.

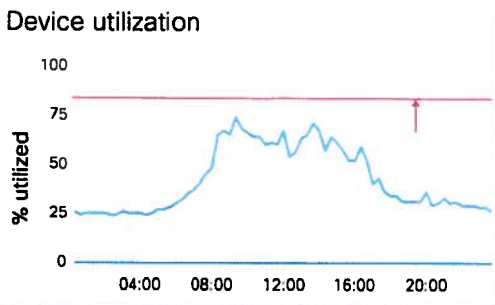
RECOMMENDED NUMBER OF CLIENT DEVICES

| | MX64/65 series | MX67/68 series | MX84 | MX100 | MX250 | MX450 |
|----------------------------|----------------|----------------|------|-------|-------|--------|
| Recommended client devices | 50 | 50 | 200 | 500 | 2,000 | 10,000 |

Built-in MX Device utilization

This guide aims to educate the user on the expected utilization and load levels for specific MX models with certain features enabled. However, to accurately predict the load on the device, it must be tested in its designated environment, under expected conditions. There are a large number of variables in each individual network that will affect real-world performance, such as the unique traffic blend and the features in use.

MX Device utilization helps provide a better understanding of the device's load over time and can be used to assess the utilization level and whether a higher end device or a load reduction is required. If an MX device is consistently over 85% utilization during normal operation*, upgrading to a higher throughput model or reducing the per device load should be considered. The MX Device utilization tool is available through an API or as a graph shown on the Summary Report page.



MX Device utilization calculation

The device utilization data reported to the Meraki Dashboard is based on a load average measured over a period of one minute. The load value is returned in numeric value ranging from 1 through 100. A lower value indicates a lower load, and a higher value indicates a more intense workload. Currently, the device utilization value is calculated based upon the CPU utilization of the MX as well as its traffic load.

Due to load averaging, it's possible for transient load spikes to occur without being visible in the utilization metric. For example, a device load that is consistently shown as less than 85% may still be experiencing transient load spikes. These transient load spikes may cause packets received in excess of the device's forwarding capacity to be dropped.

* With all the desired features turned on, the expected number of clients connected, and the expected traffic mix traversing the device.

Conclusion

While every network will have a unique traffic pattern, this guide highlights a few common scenarios to help you choose the right Cisco Meraki MX product for your environment. Consider planning for future growth by allocating buffer room in your firewall selection (e.g., if you currently have 550 users, choose an MX that supports 1000 users). This will ensure that you can continue enabling additional security and network features as they become available. Also considering ISP speeds are increasing year over year, it is important to choose a firewall that will serve you well over many years.

POINT TO MULTIPOINT OPTIONS



The main specifications of the MultiHaul™ Base Units (BU) and Terminal Units (TU) are outlined in the following table. Some specific details are part number dependent, and identified at the part number level in the ordering documents. Part numbers: MH-B100-CCS PoE-MWB; MH-T200-CNN PoE-MWB; MH-T200-CCC PoE-MWB

| | | BU MH- B100-CCS | TU MH- T200-CCC | TU MH- T200-CNN |
|---------------------------|--|--------------------|--------------------|--------------------|
| Topologies | Point to Multi-point Point to Point | ✓ | ✓ | ✓ |
| Built-in Antenna | Horizontal scanning: 90° Vertical beam-width: 20° | ✓ | ✓ | ✓ |
| Frequency & Duplexing | 57.6 GHz | ✓ | ✓ | ✓ |
| Channels & Width | 2 non-overlapping channels, 2160MHz wide | ✓ | ✓ | ✓ |
| Modulation & Coding | 9 level of adaptive coding and modulation | ✓ | ✓ | ✓ |
| Line Rate (PHY) | Line rate up to (Mbps) | 2300 | 2300 | 2300 |
| Aggregate Throughput | Mbps capacity (Mbps), license dependent | 3800 | 1000 | 1000 |
| System Gain (link budget) | 128.5dB (including antenna gain) | ✓ | ✓ | ✓ |
| Typical Reach | 300-1300ft (260-400m). Detailed performance calculations - see Siklu's online link budget calculator: siku.com/submitthehaul/ibc/ | ✓ | ✓ | ✓ |
| Interfaces | Up to 3x RJ-45 100/1000 Base-T 2x RJ-45 100/1000Base-T + 1x SFP (supports 1GbE & 2.5GbE) | - | 3 | 1 |
| Terminal Units (TU) | Up to 8 Terminal Units | ✓ | - | - |
| Ethernet Features | IEEE 802.1d transparent bridging Provider bridge - VLAN & VLAN stacking Jumbo frames; Port isolation; TU isolation; LLDP | ✓ | ✓ | ✓ |
| Security | AES 128 bits | ✓ | ✓ | ✓ |
| Management & Provisioning | TU auto-provisioning; In-band, out-of-band management Web GUI (one-click configuration of local and remote units) & Embedded CLI; SNMPv2/3, TACACS+, RADIUS | ✓ | ✓ | ✓ |
| Conformance | Radio: US FCC 47 CFR Part 15.255; Japan Radio Equipment Certification Ordinance 2-1-17-4-2 EMC: US FCC 47 CFR Part 15, EMI 301-489 Safety: UL 60950 | ✓ | ✓ | ✓ |
| Power Supply | PoE, 10W (IEEE 802.3af) without PoE-Out, 55W with PoE-Out (IEEE 802.3at+) | ✓ | ✓ | ✓ |
| PoE Out | ETH2: 20W, 802.3at ETH3: 13W, 802.3at (SFP) | ✓ | ✓ | - |
| Environmental | Operating Temperature: -22°F + 131°F (-30°C + 55°C); Optional -49°F + 131°F (-45°C + 55°C) Ingress Protection Rating: IP65 (optional IP67) | ✓ | ✓ | ✓ |
| Dimensions (HxWxD) | 7.5 x 5.2 x 3.5 in. | ✓ | ✓ | ✓ |
| Weight | 3 lbs. (including mounting kit) | ✓ | ✓ | ✓ |

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splice



MetroLinq™ 10G Tri-Band Omni

Cloud-Enabled Outdoor
60 + 5 + 2.4 GHz base-station

IgniteNet™'s MetroLinq™ 10G Tri-band Omni is the world's first cost-effective 60GHz + 5GHz + 2.4GHz PTMP base station enabling high performance, interference-free connections worldwide up to 10Gbps. With a total OTA capacity of 16.393Gbps, the MetroLinq™ 10G is the first AP capable of providing fiber-like connections to many clients simultaneously. It also has an added advantage of being license-free in most markets, allowing ultra-fast deployment and without the hassle of other frequency bands. The MetroLinq™ 10G also includes both 2.4 & 5GHz 802.11ac Wave 2 radios which can be used to provide access in harder to reach nLOS applications ranging from hotspots to fixed broadband and many more.

Interference-Free & Unlicensed Band

The IgniteNet™ MetroLinq™ 10G offers unprecedented performance - combining both the benefits of unlicensed band operation with no interference!

Tri Band 60GHz + 5GHz + 2.4 GHz Operation

The MetroLinq™ 10G includes both additional 2.4 & 5GHz radios which can be used to provide both supplemental connectivity to hard to reach places as well as carrier offload, hotspot, and mobile roaming capabilities.

Powerful, Flexible Configuration

The MetroLinq™ 10G can operate either as a stand-alone device or as a coordinated, cloud-managed device, easily meeting the requirements of any installation.

Robust Weather-Resistant Design

The MetroLinq™ 10G features a hybrid metal/plastic design built to withstand the harshest environments including precipitation, hot/cold weather and high/low humidities.

Client Options (Sold Separately)



MetroLinq 60-35/ 2.5G 60-35
60GHz + 5GHz
up to 700m (0.43 mi)



MetroLinq 60-19/ 2.5G 60-19
60GHz + 5GHz
up to 400m (0.25 mi)



MetroLinq LW
60GHz + 5GHz + 2.4GHz
up to 150m (0.1 mi)



MetroLinq 5
5GHz
up to 2000m (1.24 mi)

Features

HARDWARE FEATURES

- › 1x 1Gbps Base-T Ethernet Port (PoE IN)
- › 1x SFP+ (10Gbps) Port
- › 1x Screw Terminal Block (Power IN)
- › Dual flash image support

ANTENNAS

- › 3 x 17dBi (60GHz) 120°
- › 4 x 12dBi (5GHz) 90°
- › 4 x 9dBi (2.4GHz) 90°

LEDs

- › Power, 60GHz, 5GHz, 2.4GHz, SFP

DIMENSIONS (L X W X H)

- › 217.4 x 179.5 x 455.3mm (8.6 x 7.1 x 17.9in)

WEIGHT

- › 4,060 g (8.95 lb)

POWER

- › 48V Passive PoE IN or DC

REGULATORY / STANDARDS COMPLIANCE

- › FCC/IC
- › CE

RANGE

- › Up to 150m (0.1mi) (Omni to Omni or ML LW, location dependent)
- › Up to 400m (0.25mi) (19cm to Omni, location dependent)
- › Up to 700m (0.43mi) (35cm to Omni, location dependent)
- › Up to 2000m (1.24mi) (Omni to ML 5, location dependent)

RF PERFORMANCE (TX)

- › 60GHz: 14dBm @ 4.62Gbps (x3)
- › 5GHz: 31dBm@6Mbps, 24dBm@1.733Gbps
- › 2.4GHz: 31dBm@6Mbps, 26dBm@0.8Gbps

RF PERFORMANCE (RX)

- › 60GHz: -74dBm @MCS1; -60dBm @ MCS9
- › 5GHz: -90dBm @MCS0; -60dBm @ MCS9
- › 2.4GHz: -90dBm @MCS0; -64dBm @ MCS9

OPERATING ENVIRONMENT

- › Operating Temperature: -30C° to 50C° (-22 to 122F)
- › Store Temperature: -40C° to 70C° (-40 to 158F)
- › Operating Humidity: 10 to 90% non-condensing (RH)

KEY FEATURES

- › Management VLAN support and VLAN pass-through
- › Supports Service Provider and Enterprise type networks
- › Stand-alone or Cloud-controlled operating modes
- › Base Station mode and up to 96 endpoints (24 endpoints at launch - 60GHz)
- › Link failover/backup (60GHz + 5GHz) Per Client
- › 128bit AES Encryption (standard; 2.4GHz, 5GHz, and 60GHz)
- › SNMP Monitoring with Private MIB

APPLICATIONS

- › Fixed Wireless Access (broadband)
- › 3G/4G Backhaul
- › Metro WiFi
- › Campus interconnection
- › Hybrid Fiber/Wireless Networks

Ordering Information

| Part Number | Description |
|------------------|--|
| ML-60-10G-360-XX | Cloud-Enabled Outdoor 60GHz PTMP + 5GHz + 2.4GHz |

**XX is used to denote localization (US, EU, AU, CN)

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SWITCHING + WIFI MANAGEMENT



data sheet

BENEFITS

Highly scalable with n + 1 clustering

Supporting up to 1,024 APs and 25,000 clients per device, the SmartZone™ 100 easily serves the largest deployments. SmartZone™ 100 can cluster up to 4 units (3+1) thereby supporting up to 3,000 APs and 60,000 clients

Ultra high performance and resiliency

With clustering for resiliency and up to 10 GE throughput, control/management and data are set-up to be delivered separately through dedicated redundant ports ensuring optimal performance

Granular and flexible cloud-based licensing

Cloud based licensing ensures simple set-up with granular, per AP licensing as opposed to tiered licensing schemes forcing users to pay for unnecessary extra costs. Licensing can be transferred to similar platforms

Data persistence across reboot for reporting

SmartZone™ 100 stores up to 30 days of network and client data on an integrated drive that keeps all data even on reboot

IT lite deployment in 5 minutes, simple to use and manage

Web-based configuration wizard configures an entire WLAN in minutes. ZoneFlex APs auto-discover the SmartZone™ 100

Advanced WLAN features and functions

Advanced wireless networking features include rogue AP detection, interference detection and mitigation, band steering, airtime fairness, role-based user policies, per-user rate-limiting, hotspot and guest networking services

Smart Meshing streamlines costly and complex deployment

Integrated Ruckus Smart Mesh Networking technology automates deployment and eliminates the need to run Ethernet cable to every Smart Wi-Fi access point

SmartZone™ 100

SCALABLE MEDIUM TO LARGE SIZE ENTERPRISE CLASS SMART WLAN CONTROLLER

The Most Affordable, Scalable, Resilient, and Highest Performing Wireless LAN controller in its class

The Ruckus Wireless SmartZone™ 100 (SZ 100) uniquely combines power, simplicity and scalability into an affordable system.

Supporting up to 25,000 clients and 2,000 WLANs per device, the SZ 100 manages up to 1,024 ZoneFlex Smart Wi-Fi access points from a single location clustering up to 3,000 APs and 60,000 clients.

Unlike conventional wireless LAN systems that are costly, complex and cumbersome to deploy, the SZ 100 is designed for simplicity and ease of use. It's ideal for any medium to large-scale enterprise requiring a high-performance, reliable, and scalable wireless LAN that can be easily deployed and managed.

The SZ 100 integrates an operating system platform that delivers advanced features such as smart wireless meshing, high availability, hot spot authentication, guest networking and dynamic Wi-Fi security. Licensing can be ported to similar platforms, is granularly scalable per AP, and is cloud based requiring no license installation.

The SZ 100 easily integrates with network, security and authentication infrastructure already in place and is easily configured through a point-and-click web wizard. Ruckus ZoneFlex APs automatically discover and are configured by the SmartZone™ 100.

Redundant and secure, the SZ 100 provides WLAN-wide network, security, RF and location management within a single, easy-to-use and affordable WLAN system.

SmartZone™ 100

SCALABLE ENTERPRISE CLASS SMART WLAN CONTROLLER

Simple to Deploy

The Ruckus SmartZone™ 100 integrates easily with existing switches, firewalls, authentication servers and other network infrastructure. All Ruckus ZoneFlex APs (wired or meshed) then automatically discover the Ruckus SmartZone™ 100, self configure and become instantly manageable.

Simple to Manage

Once up and running the SmartZone™ 100 automatically manages the ZoneFlex network of APs. With a single view into the cluster, when used as such, the SZ 100 has a per user customized dashboard, integrated Google maps, and simplified menus with a single zone and domain to reduce workflow complexity. Additionally, the SZ 100 has a 30 day reporting archive with data persistence even across reboot, and reports can be exporting to CSV, PNG, JPEG, PDF or SVG formats.

Mitigate Interference. Maximize Performance and Extend Reach with BeamFlex+

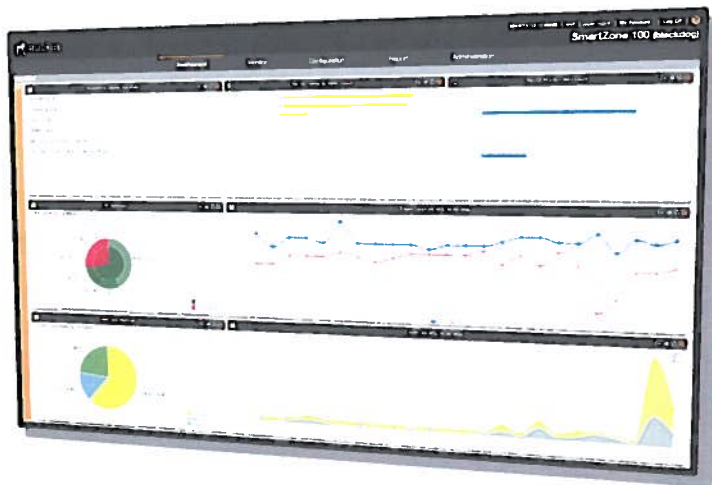
Ruckus BeamFlex+™, a patented adaptive antenna technology, ensures predictable performance for multimedia traffic applications and handheld devices which are constantly in motion.

The SmartZone™ 100 automatically controls the channel assignments of all ZoneFlex Smart Wi-Fi APs. And with BeamFlex, the ZoneFlex system continuously picks the best path for every packet, to both clients outside the network and mesh APs inside the network, automatically mitigating interference, to guarantee the highest quality of service.

Smart Mesh Networking Increases Flexibility. Reduces Costs

Ruckus Smart Mesh Networking enables self-organizing and self-healing WLAN deployment. It eliminates the need to run Ethernet cables to every AP, allowing administrators to simply plug in ZoneFlex APs to any power source and walk away. All configuration and management is delivered through the SmartZone™ 100 Smart WLAN controller. APs can also be daisy-chained to mesh APs to extend the mesh and take advantage of spatial reuse.

Browse the SmartZone 100 on user's productive dashboard



SmartZone™ 100

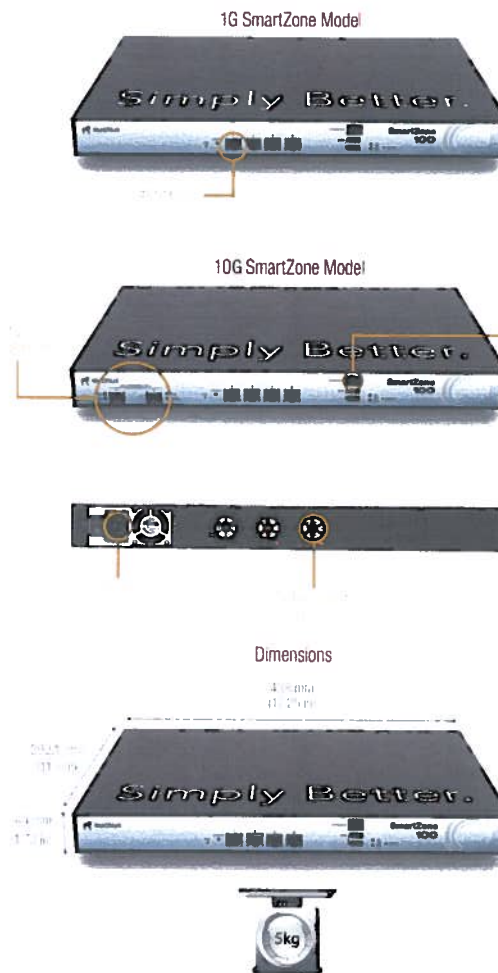
SCALABLE ENTERPRISE CLASS
SMART WLAN CONTROLLER

HARDWARE FEATURES

- 1RU rack-mountable chassis footprint
- Redundant fans
- Easy discovery from PC using UPnP
- One year warranty coverage

SOFTWARE FEATURES

- Simplified, Intuitive GUI
- Installation Wizard
- Ruckus SPoT LBS Location support
- WIDS/WIPS (Rogue AP Detection/Prevention)
- Bonjour Gateway (at AP)
- Capacity-based client admission control
- Band Balancing
- Internal Captive Portal (Radius, AD, LDAP, Local DB)
- AP Survivability for Guest, Captive Portal
- Zero-IT (using 802.1x)
- WLAN Time Scheduling
- User Roles
- Device Policy Control
- Per WLAN ACL Support (L2 white/black list, L3, L4)
- Multi-hop SpeedFlex for mesh testing
- Force DHCP
- ZoneFlex AP discovery
- Restful/JSON API



Specifications

PHYSICAL CHARACTERISTICS

| | |
|---------------------------------|--|
| POWER | • AC input requirements: 250 Watts |
| PHYSICAL SIZE | • 1RU: 438 MM (W) x 292.1 MM (D) x 44 MM (H); 17.25"(W) x 11.5"(D) x 1.73"(H) |
| WEIGHT | • 11.02 lbs (5 kilograms) |
| ETHERNET PORTS | • 1GE Model: 4 Gigabit Ethernet ports • 10GE Model: 2 x 10Gigabit Ethernet ports and 4 Gigabit Ethernet Ports |
| ENVIRONMENTAL CONDITIONS | • Operating Temperature: 32°F (0°C) – 104°F (40°C) |

CAPACITY

| | |
|----------------------------|--|
| MANAGED APs | • Up to 1,024 • With cluster: 3,000 |
| WLANs (BSSIDs) | • 2,000 • With cluster: 6,000 |
| CONCURRENT STATIONS | • Up to 25,000 • With cluster: 60,000 |

APPLICATIONS

| | |
|-----------------------|--|
| HOTSPOT | • WISPr, Wi-Fi CERTIFIED, Passpoint™ |
| GUEST ACCESS | • Supported |
| CAPTIVE PORTAL | • Supported |
| MESH | • Supported |
| VOICE | • 802.11e/WMM • U-APSD • Tunneling to AP |

NETWORK ARCHITECTURE

| | |
|--------------------|--------------------------|
| IP | • IPv4, dual-stack |
| VLANs | • 4,000 |
| REDUNDANCY | • 3+1 cluster redundancy |
| DCHP SERVER | • Supported |

MANAGEMENT

| | |
|----------------------------|--|
| CONFIGURATION | • Web user interface, CLI, SNMP v1, v2, v3 |
| AAA | • RADIUS (primary and backup) |
| AP PROVISIONING | • L3 or L2 auto-discovery • Auto-software upgrade • Automatic channel optimization |
| CLIENT PROVISIONING | • Zero-IT (using 802.11k) • Auto proxy configuration |
| ANALYTICS | • SmartCell Insight allows for custom report generation with up to seven years of network data • 30 days local storage for built in reporting |

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SECURITY

| | |
|---|---|
| STANDARDS | • WPA, WPA2, 802.11i |
| ENCRYPTION | • TKIP, AES |
| AUTHENTICATION | • 802.1x, MAC address |
| USER DATABASE | • Internal database up to 25,000 users • External: RADIUS, LDAP, Active Directory |
| ACCESS CONTROL | • L2 (MAC address-based) • L3/4 (IP and Protocol based) • L2 client isolation • Management interface access control • Time-based WLANs • Device type access policies |
| WIRELESS INTRUSION DETECTION (WIDS/WIPS) | • Rogue AP detection / prevention • Evil-twin/AP spoofing detection • Ad hoc detection |

MULTIMEDIA AND QUALITY OF SERVICE

| | |
|-------------------------------|---|
| 802.11e/WMM | • Supported |
| SOFTWARE QUEUES | • Per traffic type (4), per client |
| TRAFFIC CLASSIFICATION | • Automatic, heuristics and TOS based or VLAN-defined |
| RATE LIMITING | • Supported |
| WLAN PRIORITIZATION | • Supported |
| CLIENT LOAD BALANCING | • Automatic |

CERTIFICATIONS

| | |
|------------------------|---|
| CERTIFICATIONS* | • U.S., Canada, EU, China, Japan, Taiwan, Korea |
|------------------------|---|

*Please see price list for latest country certifications

Product Ordering Information

| MODEL | DESCRIPTION |
|--|---|
| SmartZone™ 100 Smart WLAN Controllers | |
| P01-S104-XX00 | SZ 100 – 4xGE Ports |
| P01-S124-XX00 | SZ 100 – 2x10GE & 4xGE Ports |
| L09-0001-SG00 | 1 AP license for SZ 100 to manage APs |
| L09-0001-RXGW | Soft GRE tunnel license from AP to 3rd party concentrator |
| 902-0190-0000 | 10GBASE-SR SFP+ Optical transceiver module |

PLEASE NOTE: When ordering SmartZone™ 100, you must specify the distribution region by including -US, -EU, -CN, -IN, -JP, -FR, -SA, -UK or -JL in the part number.



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SWITCHING EQUIPMENT

Ruckus ICX 7150 Enterprise-Class Stackable Access Switch



DATA SHEET



BENEFITS

STACKABILITY SIMPLIFIES MANAGEMENT

- Class-leading stacking scalability with up to 12 switches per stack
- Long-distance stacking up to 10 km using standard optics or cables

10 GbE PORTS OPTIMIZE NETWORK PERFORMANCE

- Up to 8x10 GbE 5FP+ ports for stacking or uplinks

DUAL POWER SUPPLIES FOR HIGH AVAILABILITY

- Dual load-sharing, hot-swappable power supplies available on the Z-Series switch

MULTIGIGABIT SUPPORT ENABLES NEXT GENERATION WIRELESS DEPLOYMENT

- Up to 16x 2.5 and 2x 2.5/5/10 GbE ports optimized for Wi-Fi 5 and 6 deployment

CLASS LEADING POE BUDGET TO POWER ADVANCED EDGE DEVICES

- PoE+/PoH/802.3bt budget (up to 1,480 watts)¹
- Support advanced wireless APs and video surveillance equipment

SILENT OPERATION FOR DEPLOYMENT IN THE WORK ENVIRONMENT

- Fanless design or fanless mode enables silent non-disruptive deployment anywhere

ADVANCED L3 MAXIMIZES FLEXIBILITY

- OSPF, VRRP, PIM, PBR L3 features

CAMPUS FABRIC REDUCES COST OF OPERATIONS, INCREASES FLEXIBILITY

- Ruckus Campus Fabric delivers the benefits of a chassis with the flexibility of stackables
- Scales to over 1800 ports

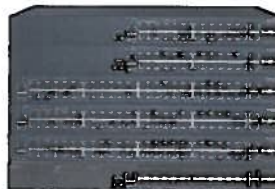
¹ Up to 90W per port, IEEE 802.3bt standard pending ratification. Compatible with uPoE.

ENTRY-LEVEL ACCESS SWITCH SERIES DELIVERS UNPRECEDENTED PERFORMANCE AND FEATURES IN ITS CLASS

The Ruckus[®] ICX[™] 7150 series of stackable switches delivers the performance, flexibility, and scalability required for enterprise access deployment, raising the bar with non-blocking performance and up to 8x10 GbE ports for uplinks or stacking. It offers seamless interoperability with Ruckus wireless products to deliver unified wired and wireless network access. In addition, Ruckus Multigigabit Ethernet technology offers bandwidth speeds needed to optimize performance of the latest generation high performance wireless access points and edge devices, over standard Ethernet cables.

The Ruckus ICX 7150 series of switches are available in three formats:

RUCKUS ICX 7150 SWITCHES



The standard Ruckus ICX 7150 switches are available in 24- and 48-port 10/100/1000 Mbps models with four 1/10 GbE dual-purpose uplink/stacking ports. These switches are available with or without PoE+ power. Silent operation is available for out-of-closet environments.

RUCKUS ICX 7150 Z-SERIES SWITCH



The Ruckus ICX 7150-48ZP 48-port switch adds higher performance, greater resiliency and increased PoE power. The switch offers Multigigabit technology (IEEE 802.3bz) to match the highest performing 802.11ac Wave 2 wireless access points available, with dual redundant, hot-swappable power supplies and fans, and up to 8x10 GbE uplink/stacking ports.

The switch offers 16 Multigigabit (100Mbps/1Gbps/2.5Gbps) ports, each with Power-over-HDBaseT (PoH) up to 90 watts and 802.3bt ready, plus 32 10/100/1000 Mbps ports with PoE+. With a maximum PoE budget of 1480 watts, this switch delivers the power, and performance, to drive PoE+ power to all 48 ports.

RUCKUS ICX 7150 COMPACT SWITCHES



The Ruckus ICX 7150 compact switches come in 8, 10 and 12 ports models and feature a fanless design to operate silently in out-of-closet environments such as offices, classrooms, and retail spaces. They offer PoE on all ports. The ICX 7150-C10ZP delivers up to 90W per port of PoE power and multigigabit Ethernet at 2.5/5/10 Gbps speeds. With 2x1/10 GbE uplink/stacking ports, the ICX 7150-C12P and C10ZP deliver high performance in a small package.

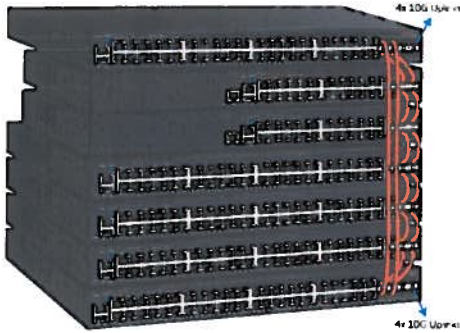


Figure 1: Up to 12 Ruckus ICX 7150 Switches can be stacked together using up to four SFP+ 10 Gbps ports per switch for a fully redundant backplane delivering 480 Gbps of aggregated stacking bandwidth.

STACKING ACROSS THE ICX 7150 SERIES

Ruckus stacking technology makes it possible to stack up to twelve Ruckus ICX 7150 switches into a single logical switch. This allows the Ruckus ICX 7150 to deliver a class-leading 480 Gbps of aggregated stacking bandwidth and offer simple and robust expandability for future growth. Stacking is supported across the ICX 7150 series and all ICX 7150 models including the ICX 7150 compact switches and the ICX 7150-48ZP can be mixed within the same stack. This stacked switch has only a single IP address that simplifies management and offers transparent forwarding across up to 600x1 GbE ports or up to 192x2.5 GbE ports, and up to 96x10 GbE ports. When new switches join the stack, they automatically inherit the stack's existing configuration file, enabling a plug-and-play network expansion.

Because the ICX 7150-48ZP switch has twice as many uplink ports, when it is added to a stack of other ICX 7150 switch models, the effective bandwidth of all the switches is doubled. By designing the stack this way, all four of the 10GbE ports on the ICX 7150 switches can be used for stacking (rather than having to split the four ports between stacking and uplinks), and leveraging four of the 10GbE ports on the ICX 7150-48ZP for stacking and the other four 10GbE ports can be used for uplinks.

ENTERPRISE-CLASS AVAILABILITY

The Ruckus ICX 7150 Switches help deliver continuous availability to optimize the user experience. Ruckus stacking technology provides high availability by performing real-time state synchronization across the stack and transferring switch management control from the master stack controller to the standby controller if the master stack controller experiences a failure. When hot-inserting or hot-removing a stack member to increase capacity or perform service upgrade, traffic flows will not experience interruption.

In addition to stack-level high availability, Ruckus ICX 7150 Switches also support stack level ISSU (In Service Software Upgrade), a unique capability that allows the user to perform software upgrades to a Ruckus ICX 7150 stack without service interruption. Taking high-availability and reliability even further, the Ruckus ICX 7150 Z-Series switch offers redundant hot swappable load sharing power supplies and up to 2 hot swappable fans.

¹ Up to 90W per port. IEEE 802.3bt support pending software update. Compatible with uPoE.

SILENT OPERATION

The Ruckus ICX 7150 compact switches, along with the Ruckus ICX 7150-24 and the ICX 7150-48 switches, feature a fanless design that enables it to operate silently.

The Ruckus ICX 7150-24P and the ICX 7150-48P offer a "silent mode" configuration option, enabling these switches to operate with the fan disabled while providing a PoE budget of 150 watts. This Ruckus-exclusive feature enables users in hospitality, education, healthcare, and retail industries to deploy these switches outside of the wiring closet without disrupting the work environment.

MULTIGIGABIT ETHERNET SUPPORT

The Ruckus ICX™ 7150-48ZP Switch raises the bar for entry-level switches even further with 16x IEEE 802.3bz compliant 2.5 GbE ports, up to 8x10 GbE uplink ports, dual redundant load sharing power supplies and class-leading stacking density with up to 12 switches per stack. The ICX 7150-C10ZP delivers multigigabit speeds in a compact form factor with support for 2.5/5 and 10 Gbps. Both switches stack with all other members of the ICX 7150 series allowing organizations to buy what they need now and easily scale as the need for Multigigabit support emerges. It is designed to work seamlessly with Ruckus wireless access points to deliver unified wired and wireless network access.

COST EFFECTIVE FIBER SWITCHING SOLUTION

The Ruckus ICX 7150-24F fiber switch delivers 24 SFP 1GbE fiber ports for fiber-to-the room deployment scenarios when fiber ports are needed at the edge of the network. It offers 4x10GbE SFP+ for uplink or stacking with the rest of the ICX 7150 series.







With the ICX 7150-24F, Ruckus offers a complete set of fiber switching and routing solutions for every budget from high-end core and aggregation to entry-level access switching.


POWER NEXT-GENERATION EDGE DEVICES




All ICX 7150 series members offer PoE options. The compact 12 port switch delivers PoE+ on all ports with a 124W PoE budget. The 24- and 48-port ICX 7150 switches offer up to 740W of PoE+ power and the ICX 7150 Z-Series offers an industry leading 1480W PoE budget when equipped with 2 power supplies. In addition to supporting PoE and PoE+, the Ruckus ICX 7150 Z-Series also offers Power over HDBaseT (PoH) and is 802.3bt ready ¹ This new, high power standard delivers up to 90 watts per port through a standard Ethernet cable, simplifying the wiring of next-generation Ethernet-connected devices such as high-performance wireless APs, large HD displays, video surveillance equipment, and VDI thin terminals, enabling data and power to be carried by a single Ethernet wire. The PoE, PoE+ and PoH capabilities reduce the number of required power receptacles and power adapters while increasing reliability and wiring flexibility.

With a 1,480-watt power budget per switch (with two power supplies), the Ruckus ICX 7150 48ZP model can supply Class 4 PoE+ power (30 watts) to every port and PoH 802.3bt ready power (90 watts) on 16 dedicated Multigigabit ports.

RUCKUS ICX 7150 PRODUCT SERIES

| RUCKUS ICX 7150 | | |
|---|------------------------------------|---|
| <p>These Ruckus ICX 7150 models offer a single integrated power supply, one RJ-45 Ethernet port for out-of-band network management, one USB Type-C port for console management, one RJ-45 port for serial console management, and one USB port for external file storage.</p> | | |
|  | Ruckus ICX 7150-24 Switch | <ul style="list-style-type: none"> 24x 10/100/1000 Mbps RJ-45 ports 2x 10/100/1000 Mbps uplink RJ-45 ports 4x 1/10 GbE uplink/stacking SFP/SFP+ ports |
|  | Ruckus ICX 7150-24P Switch | <ul style="list-style-type: none"> 24x 10/100/1000 Mbps RJ-45 PoE+ ports 370 W PoE budget 2x 10/100/1000 Mbps uplink RJ-45 ports 4x 1/10 GbE uplink/stacking SFP/SFP+ ports |
|  | Ruckus ICX 7150-48 Switch | <ul style="list-style-type: none"> 48x 10/100/1000 Mbps RJ-45 ports 2x 10/100/1000 Mbps uplink RJ-45 ports 4x 1/10 GbE uplink/stacking SFP/SFP+ ports |
|  | Ruckus ICX 7150-48P Switch | <ul style="list-style-type: none"> 48x 10/100/1000 Mbps RJ-45 PoE+ ports 370 W PoE budget 2x 10/100/1000 Mbps uplink RJ-45 ports 4x 1/10 GbE uplink/stacking SFP/SFP+ ports |
|  | Ruckus ICX 7150-48PF Switch | <ul style="list-style-type: none"> 48x 10/100/1000 Mbps RJ-45 PoE+ ports 740 W PoE budget 2x 10/100/1000 Mbps uplink RJ-45 ports 4x 1/10 GbE uplink/stacking SFP/SFP+ ports |
|  | Ruckus ICX 7150-24F Switch | <ul style="list-style-type: none"> 24x 10/100/1000 Mbps SFP ports 2x 10/100/1000 Mbps uplink RJ-45 ports 4x 1/10 GbE uplink/stacking SFP/SFP+ ports |

| RUCKUS ICX 7150 Z-SERIES | | |
|--|-----------------------------|--|
| <p>The Ruckus ICX 7150 Z-Series Switch offers redundant hot-swappable load sharing power supplies, up to 2 hot-swappable fans, one RJ-45 Ethernet port for out-of-band network management, one USB Type-C port for console management, one RJ-45 port for serial console management, and one USB port for external file storage.</p> | | |
|  | Ruckus ICX 7150-48ZP | <ul style="list-style-type: none"> 16x 100/1000 Mbps/2.5 Gbps RJ-45 PoH, 802.3bt ready ports¹ 32x 10/100/1000 Mbps RJ-45 PoE+ ports 1,480 W PoE budget (with two power supplies) 8x 1/10 GbE uplink/stacking SFP/SFP+ ports |

| RUCKUS ICX 7150 COMPACT SWITCHES | | |
|---|---|---|
| <p>The Ruckus ICX 7150 compact switches offer a single integrated power supply, one RJ-45 Ethernet port for out-of-band network management, one USB Type-C port for console management, one RJ-45 port for serial console management, and one USB port for external file storage.</p> | | |
|  | Ruckus ICX 7150-C10ZP Compact Switch | <ul style="list-style-type: none"> 10x RJ-45 multi-gigabit ports, including 8x 2.5 GbE ports and 2x 2.5/5/10 GbE ports 2x 1/10 GbE uplink/stacking SFP/SFP+ ports 240W PoE budget. Delivers up to 90W per port on 4 PoH 802.3bt ready ports. Fanless |
|  | Ruckus ICX 7150-C12P Compact Switch | <ul style="list-style-type: none"> 12x 10/100/1000 Mbps POE+ RJ-45 ports 124 W PoE budget. Fanless 2x 10/100/1000 Mbps uplink RJ-45 ports 2x 1/10 GbE uplink/stacking SFP/SFP+ ports |
|  | Ruckus ICX 7150-C08P Compact Switch | <ul style="list-style-type: none"> 8x 10/100/1000 Mbps POE+ RJ-45 ports 2x 1GbE SFP uplink ports 62W PoE power budget. Fanless |

¹ Up to 90W per port, IEEE 802.3bt support pending software update. Compatible with uPoE. ² Not supported on the ICX 7150-C08P model.



ENTERPRISE-CLASS FEATURES ACROSS RUCKUS ICX SWITCHES

The Ruckus ICX switch family delivers the enterprise class features for flexibility, scalability and simplified management.

- Ruckus Campus Fabric* technology delivers unmatched flexibility, scalability and simplified management for campus network deployments. Incorporating all of the ICX 7000 switch families with up to 1800 ports in a single logical domain, Campus Fabric allows customers the benefits of a traditional chassis, with the flexibility of stackable switches at a dramatically reduced Total Cost of Ownership (TCO).
- Advanced stacking* goes beyond traditional stacking with capabilities that take flexibility, ease of management and cost effectiveness to then next level, including:
 - Stacking on standard Ethernet ports
 - Long-distance stacking
 - No hardware module required for stacking
 - In Service Software Upgrade (ISSU) to minimize downtime
 - Superior scalability with the industry-leading number of switches per stack
 - Stacking at the access, aggregation and core layers
- Enterprise-Class Availability to improve resiliency and minimize downtime, including:
 - Hitless stack failover
 - Hot-insertion/removal of stack members
 - Redundant power supplies
 - In Service Software Upgrades for switch stacks
- Unified wired and wireless network management with Ruckus SmartZone network controller:
 - Ruckus SmartZone centralizes management of the entire family of Ruckus switches and wireless Access Points with a single easy to deploy management platform
 - Discovers, monitor, and deploys configurations to groups of switches and wireless APs
- On-boarding and security policies across ICX switches and wireless networks
- OpenFlow 1.3 protocol* support in hybrid mode allows user to deploy traditional Layer 2/3 forwarding with OpenFlow on the same port for Software Defined Network (SDN) enabled programmatic control of the network
- Open Standards based management, monitoring and authentication
 - sFlow-based network monitoring to help analyze traffic statistics and trends on every link and overcome unexpected network congestion
 - Open-standards management includes Command Line Interface (CLI), Secure Shell (SSHv2), Secure Copy (SCP), and SNMPv3
 - Support for Access Controller Access Control System (TACACS/TACACS+) and RADIUS authentication helps ensure secure operator access
 - LLDP and LLDP-MED protocol support for configuring, discovering, and managing network infrastructure such as QoS, security policies, VLAN assignments, PoE power levels, and service priorities

* The ICX 7150-C0BP does not support stacking, campus fabric and OpenFlow.

RUCKUS ICX 7150 FEATURE/MODEL COMPARISON

| FEATURE | 8, 10, 12 RJ-45 Ports compact Switches | | | 24 or 48 RJ-45 Ports | | 24 SFP Ports | 24 or 48 RJ45 PoE+ Ports | | | Z-Series |
|---|--|---------------------------|-----------------------|----------------------|---------------------|---------------------|--------------------------|---------------------|----------------------|----------------------|
| | Ruckus ICX 7150-C08P | Ruckus ICX 7150-C12P | Ruckus ICX 7150-C107P | Ruckus ICX 7150-24 | Ruckus ICX 7150-48 | Ruckus ICX 7150-24F | Ruckus ICX 7150-24P | Ruckus ICX 7150-38P | Ruckus ICX 7150-48PF | Ruckus ICX 7150-48ZP |
| Switching capacity (data rate, full duplex) | 20 Gbps | 68 Gbps | 120 Gbps | 132 Gbps | 180 Gbps | 132 Gbps | 132 Gbps | 180 Gbps | 180 Gbps | 304 Gbps |
| Forwarding capacity (data rate, full duplex) | 14.88 Mpps | 51 Mpps | 89 Mpps | 98 Mpps | 134 Mpps | 98 Mpps | 98 Mpps | 134 Mpps | 134 Mpps | 226 Mpps |
| 10/100/1000 Mbps RJ45 downlinks | 8 | 12 | | 24 | 48 | | 24 | 48 | 48 | 32 |
| 100/1000 Mbps SFP downlinks | | | | | | 24 | | | | |
| 100/1000 Mbps/2.5 Gbps RJ45 downlinks (full duplex only) | | | 8 | | | | | | | 16 |
| 100/1000 Mbps/2.5/5/10 Gbps RJ45 downlinks (full duplex only) | | | 2 | | | | | | | |
| 10/100/1000 Mbps RJ45 uplinks (full duplex only, no PoE) | | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | |
| 1/10 Gbps SFP/SFP+ uplinks | 2 SFPs at 1 Gbps only | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 8 |
| PoE/PoE+ ports | 8 | 12 | 6 | | | | 24 | 48 | 48 | 32 |
| PoH / PoE / PoE+ 802.3bt ready ports ¹ | | | 4 | | | | | | | 16 |
| Dual hot-swap power supplies | | | | | | | | | | Yes |
| Maximum PoE Class 3 ports (15.4 W per port) | 4 | 8 | 10 | | | | 24 | 24 | 48 | 48 |
| Maximum PoE+ Class 4 ports (30 W per port) | 2 | 4 | 8 | | | | 12 | 12 | 24 | 48 (2 PSU) |
| Energy Efficient Ethernet (802.3az) | | | Yes | Yes | Yes | | Yes | Yes | Yes | Yes |
| Base IPv4/v6 Layer 3 routing (basic routing, RRP) | No L3 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Advanced IPv4/v6 Layer 3 routing (OSPF, VRRP, PIM, PBR, load bal.) | No L3 | With license | With license | With license | With license | With license | With license | With license | With license | With license |
| Aggregated stacking bandwidth (data rate, full duplex) | No Stacking | 240 Gbps | 240 Gbps | 480 Gbps | 480 Gbps | 480 Gbps | 480 Gbps | 480 Gbps | 480 Gbps | 480 Gbps |
| Stacking density (maximum switches in a stack) | No Stacking | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Stacking ports (maximum ports usable for stacking) | No Stacking | Up to 2x10 GbE SFP+ | | | Up to 4x10 GbE SFP+ | | | | | |
| Maximum stacking distance (maximum distance between stacked switches) | No Stacking | 10 km | 10 km | 10 km | 10 km | 10 km | 10 km | 10 km | 10 km | 10 km |
| Campus Fabric | No Fabric | Fabric Port Extender (PE) | | | | | | | | |

¹ Up to 90W per port, IEEE 802.3bt support pending software update. Compatible with uPoE.
² 10 Gbps SFP+ ports are required for stacking.
³ Supported in a future software release.

RUCKUS ICX 7150 FEATURE/MODEL COMPARISON

| | 8, 10, 12 RJ-45 Ports compact Switches | | | 24 or 48 RJ-45 Ports | | 24 SFP Ports | 24 or 48 RJ45 PoE+ Ports | | | Z-Series |
|--|--|----------------------|-----------------------|----------------------|--------------------|---------------------|--------------------------|---------------------|----------------------|----------------------|
| | Ruckus ICX 7150-C08P | Ruckus ICX 7150-C12P | Ruckus ICX 7150-C102P | Ruckus ICX 7150-24 | Ruckus ICX 7150-48 | Ruckus ICX 7150-24F | Ruckus ICX 7150-24P | Ruckus ICX 7150-48P | Ruckus ICX 7150-48PF | Ruckus ICX 7150-48ZP |
| FEATURE | POWER | | | | | | | | | |
| Power inlet (AC) | C14 | | | | | | | | | |
| Input voltage/frequency | AC: 100 to 240 VAC @ 50 to 60 Hz | | | | | | | | | |
| Power supply rated maximum (AC) | 150W | 150 W | 300W | 36 W | 65 W | 100W | 525 W | 525 W | 880 W | 2 x 920 W |
| PoE power budget (AC) | 62W | 124 W | 240W | | | | 370 W | 370 W | 740 W | 1480 W (2 PSU) |
| Switch power consumption¹ (25°C) | | | | | | | | | | |
| Idle (no PoE load) | 13W | 20 W | 27 W | 14 W | 24 W | 17 W | 32 W | 47 W | 50 W | 89 W |
| 10% traffic (full PoE load) | 79 W | 157 W | 242 W | 24 W | 38 W | 40 W | 455 W | 470 W | 869 W | 917 W |
| 100% traffic (full PoE load) | 79 W | 157 W | 245 W | 24 W | 39 W | 46 W | 472 W | 491 W | 893 W | 932 W |
| Airflow | Fanless | Fanless | Fanless | Fanless | Fanless | Side-to-back | Side-to-back | Side-to-back | Side-to-back | Front-to-back |
| Switch heat dissipation (25°C) | | | | | | | | | | |
| Idle (no PoE load) | 45 BTU/hr | 69 BTU/hr | 93 BTU/hr | 47 BTU/hr | 83 BTU/hr | 58 BTU/hr | 108 BTU/hr | 160 BTU/hr | 170 BTU/hr | 304 BTU/hr |
| 10% traffic (full PoE load) | 50 BTU/hr | 78 BTU/hr | 128 BTU/hr | 61 BTU/hr | 131 BTU/hr | 135 BTU/hr | 137 BTU/hr | 196 BTU/hr | 299 BTU/hr | 433 BTU/hr |
| 100% traffic (full PoE load) | 51 BTU/hr | 79 BTU/hr | 129 BTU/hr | 62 BTU/hr | 132 BTU/hr | 158 BTU/hr | 189 BTU/hr | 252 BTU/hr | 381 BTU/hr | 523 BTU/hr |
| FEATURE | ENVIRONMENT | | | | | | | | | |
| Net Weight (kg) | 1.93 | 2.58 | 3.57 | 3.8 | 4.82 | 3.6 | 4.93 | 6.17 | 6.28 | 6.61 |
| Dimensions (mm) | | | | | | | | | | |
| Width (W) | 270 (W) | 269 (W) | 304 (W) | 440 (W) | 440 (W) | 440 (W) | 440 (W) | 440 (W) | 440 (W) | 440 (W) |
| Depth (D) | 214 (D) | 213 (D) | 305 (D) | 280 (D) | 370 (D) | 370 (D) | 280 (D) | 370 (D) | 370 (D) | 332 (D) |
| Height (H) | 44 (H) | 43.4 (H) | 44 (H) | 43.65 (H) | 43.65 (H) | 43.65 (H) | 43.65 (H) | 43.65 (H) | 43.65 (H) | 44 (H) |
| Acoustics (25°C, median speed) | Fanless | Fanless | Fanless | Fanless | Fanless | 33 dBA | 41.4 dBA | 41.8 dBA | 47.7 dBA | 52 dBA |
| MTBF (25°C) | 594,384 hours | 562,889 hours | 529,625 hours | 871,931 hours | 714,420 hours | 541,966 hours | 397,428 hours | 335,853 hours | 312,241 hours | 104,626 hours |
| FEATURE | MANAGEMENT PORTS | | | | | | | | | |
| USB Type-C port (for console management) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| RJ45 serial port (for serial console management) | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| USB Type-A port (for external file storage) | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| RJ45 Ethernet port (for out of band network management) | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |

ICX 7150-48ZP Switch includes one AC power supply and one fan.

¹ Traffic load on all ports connected with maximum possible PoE/PoE+ loads (if equipped).

PoE power not included in switch heat dissipation figures since the heat is not dissipated at the switch.

RUCKUS ICX 7150 SPECIFICATIONS

| FEATURES | SPECIFICATIONS |
|--|---|
| Connector options | <ul style="list-style-type: none"> 10/100/1000 Mbps RJ-45 1 Gbps SFP ports 1/10 Gbps SFP+ ports* Out-of-band Ethernet management: 10/100/1000 Mbps RJ-45* Console management: RJ45 serial port and USB Type-C port with serial communication device class support* File transfer: USB port, standard-A plug* For the latest information about supported optics, please visit www.ruckusnetworks.com/optics. |
| DRAM | <ul style="list-style-type: none"> 1 GB |
| NVRAM (Flash) | <ul style="list-style-type: none"> 2 GB |
| Packet buffer size | <ul style="list-style-type: none"> 8/10/12/24 port: 2 MB, 48 port: 4 MB |
| Maximum MAC addresses | <ul style="list-style-type: none"> 16,384 |
| Maximum VLANs | <ul style="list-style-type: none"> 4,095 |
| Maximum PVLANs | <ul style="list-style-type: none"> 32 |
| Maximum STP (spanning trees instances) | <ul style="list-style-type: none"> 254 |
| Maximum VEs | <ul style="list-style-type: none"> 128 |
| Maximum ARP entries | <ul style="list-style-type: none"> 4,094 |
| Maximum routes (in hardware) | <ul style="list-style-type: none"> 1,000 (IPv4), 1,000 (IPv6) Next hop address: 4,094 |
| Trunking | <ul style="list-style-type: none"> Maximum ports per trunk: 16 Maximum trunk groups: 128 |
| Maximum jumbo frame size | <ul style="list-style-type: none"> 9,216 bytes |
| QoS priority queues | <ul style="list-style-type: none"> 8 per port |
| Multicast groups | <ul style="list-style-type: none"> 3,072 (Layer 2) 2,048 (Layer 3) |
| Quality of Service (QoS) | <ul style="list-style-type: none"> ACL Mapping and Marking of ToS/DSCP (CoS) ACL Mapping and Marking of 802.1p ACL Mapping to Priority Queue Classifying and Limiting Flows Based on TCP Flags DiffServ Support Honoring DSCP and 802.1p (CoS) MAC Address Mapping to Priority Queue Priority Queue Management using Weighted Round Robin (WRR), Strict Priority (SP), and a combination of WRR and SP |
| Traffic management | <ul style="list-style-type: none"> ACL-based inbound rate limiting and traffic policies Broadcast, multicast, and unknown unicast rate limiting Inbound rate limiting per port Outbound rate limiting per port and per queue |

* Not supported on the ICX 7150-C08P model

RUCKUS ICX 7150 SPECIFICATIONS

| FEATURES | SPECIFICATIONS |
|-------------------|---|
| Security | <ul style="list-style-type: none"> • 802.1X authentication • MAC authentication • Flexible authentication • Web authentication • DHCP snooping • Dynamic ARP inspection • Neighbor Discovery (ND) Inspection • Bi-level Access Mode (Standard and EXEC Level) • EAP pass-through support • IEEE 802.1X username export in sFlow • Protection against Denial of Service (DoS) attacks • Authentication, Authorization, and Accounting (AAA) • MAC Address Locking • MAC Port Security • Advanced Encryption Standard (AES) with SSHv2 • RAD IUS/TACACS/TACACS+ • Secure Copy (SCP) • Secure Shell (SSHv2) • Protected Ports • Local Username/Password • Change of Authorization (CoA) RFC 5176 • Trusted Platform Module • RADSEC (RFC 6614) • Encrypted Syslog (RFC 5425) |
| SDN features | <ul style="list-style-type: none"> • OpenFlow v1.0 and v1.3 • OpenFlow with hybrid port mode • Operates with an OpenDayLight Controller |
| High availability | <ul style="list-style-type: none"> • Layer 3 VRRP/VRRP-E protocol redundancy • Real-time state synchronization across the stack • Hitless failover and switchover from master to standby stack controller • Hot insertion and removal of stacked units • Layer 2 VSRP switch redundancy • In Service Software Update (ISSU) |

| FEATURES | FEATURE SETS |
|---|---|
| Layer 2 feature set | <ul style="list-style-type: none"> • 802.1s Multiple Spanning Tree • 802.1x Authentication • Auto MDI/MDIX • BPDU Guard, Root Guard • Dual-Mode VLANs • MAC-based VLANs, Dynamic MAC-based VLAN activation • Dynamic VLAN Assignment • Dynamic Voice VLAN Assignment • Fast Port Span • GVRP: GARP VLAN Registration Protocol • IGMP Snooping (v1/v2/v3) • IGMP Proxy for Static Groups • IGMP v2/v3 Fast Leave • Inter-Packet Gap (IPG) adjustment • Link Fault Signaling (LFS) • MAC Address Filtering • MAC Learning Disable • MLD Snooping (v1/v2) • Multi-device Authentication • Per-VLAN Spanning Tree (PVST/PVST+/PRST) • Mirroring: Port-based, ACL-based, MAC Filter-based, and VLAN-based • PIM-SM v2 Snooping • Port Loop Detection • Private VLAN • Remote Fault Notification (RFN) • Single-instance Spanning Tree • Trunk Groups (static, LACP) • Uni-Directional Link Detection (UDLD) • Metro-Ring Protocol (MRP) (v1, v2) • Virtual Switch Redundancy Protocol (VSRP) • Q-in-Q and selective Q-in-Q • VLAN Mapping • Topology Groups |
| Base Layer 3 IP routing feature set ¹ | <ul style="list-style-type: none"> • IPv4 and IPv6 static routes <ul style="list-style-type: none"> – RIP v1/v2, RIPv6 • ECMP • Port-based Access Control Lists • Layer 3/Layer 4 ACLs • Host routes • Virtual Interfaces • Routed Interfaces • Route-only Support • Routing Between Directly Connected Subnets |
| Premium Layer 3 IP routing feature set with software license ¹ | <ul style="list-style-type: none"> • IPv4 and IPv6 dynamic routes • OSPF v2, v3 • PIM-SM, PIM-SSM, PIM-DM, PIM passive (IPv4, IPv6) • PBR • Virtual Route Redundancy Protocol VRRP (IPv4) • VRRP v3 (IPv6) • VRRP-E (IPv4/IPv6) |

¹ Not supported on the ICX 7150-C08P model

RUCKUS ICX 7150 SPECIFICATIONS

| FEATURES | STANDARD COMPLIANCE |
|--|---|
| IEEE standards compliance | <ul style="list-style-type: none"> 802.1AB LLDP/ LLDP-MED 802.1D MAC Bridging 802.1p Mapping to Priority Queue 802.1s Multiple Spanning Tree (MST) 802.1w Rapid Reconfiguration of Spanning Tree (RSTP) 802.1x Port-based Network Access Control (PNAC) 802.3 Carrier Sense Multiple Access/Collision Detection (CSMA/CD) 802.3ab 1000BASE-T 802.3 10Base-T 802.3ad Link Aggregation (Dynamic and Static) 802.1 AX-2008 Link Aggregation 802.3ae 10 Gigabit Ethernet 802.3af Power over Ethernet 802.3at Power over Ethernet Plus 802.3bz Multigigabit Ethernet 802.3u 100Base-TX 802.3x Flow Control 802.3z 1000Base-SX/LX 802.3 MAU MIB (RFC 2239) 802.1Q VLAN Tagging 802.1BR Bridge Port Extension 802.3az Energy Efficient Ethernet |
| RFC standards compliance | For a complete list of RFCs supported by the ICX 7000 product family, please visit www.ruckusnetworks.com/support |
| FEATURES | NETWORK AND DEVICE MANAGEMENT |
| Management | <ul style="list-style-type: none"> DHCP Auto Configuration Configuration Logging Digital Optical Monitoring Display Log Messages on Multiple Terminals Embedded Web Management (HTTP/HTTPS) Embedded DHCP Server Industry-standard Command Line Interface (CLI) Ruckus SmartZone Network Controller (sold separately) CLI activation of optional software features USB file management and storage Macro for batch execution Out-of-band Ethernet Management RSPAN TFTP TELNET Client and Server SSH / SSH V2 Bootp SNMPv1/v2c DHCP Server and DHCP Relay SNMPv3 Intro to Framework Architecture for Describing SNMP Framework SNMP Message Processing and Dispatching SNMPv3 Applications SNMPv3 User-based Security Model SNMP View-based Access Control Model SNMP sFlow Network Time Protocol (NTP) Multiple Syslog Servers SCP Virtual Cable Tester (VCT) From management MIB, please see the ICX technical documentation at ruckusnetworks.com/support |
| Ruckus Campus Fabric technology ¹ | <ul style="list-style-type: none"> The Ruckus ICX 7150 can operate in fabric Port Extender (PE) mode Up to 36 PEs per fabric (up to 1800 ports) PE cascade depth up to 6 units |
| FEATURES | ENVIRONMENT |
| Temperature | Operating Temperatures: 0°C to 45°C (0°C to 40°C for ICX 7150-C08P and ICX7150-C10P) Storage Temperatures: -40°C to 70°C |
| Humidity | Operating relative humidity: 5% to 95% at 45°C, non-condensing Non-operating relative humidity: 0% to 95% at 70°C, non-condensing |
| Altitude | Operating altitude: 10,000 ft (3,000 m) maximum Storage altitude: 39,000 ft (12,000 m) maximum |

¹ Not supported on the ICX 7150-C08P model.

RUCKUS ICX 7150 SPECIFICATIONS

| FEATURES | COMPLIANCE/CERTIFICATION |
|-------------------------------------|---|
| Electromagnetic emissions | FCC Class A (Part 15); EN 55022/CISPR:22 Class A; VCCI Class A; ICES-003 Electromagnetic Emission; AS/NZS 55022; EN 61000-3-2 Power Line Harmonics; EN 61000-3-3 Voltage Fluctuation and Flicker; EN 61000-6-3 Emission Standard (supersedes: EN 50081-1) |
| Safety | CAN/CSA C22.2 NO. 60950-1-07; UL 60950-1 Second Edition; IEC 60950-1 Second Edition; EN 60950-1:2006 Safety of Information Technology Equipment; EN 60825-1 Safety of Laser Products—Part 1: Equipment Classification, Requirements and User's Guide; EN 60825-2 Safety of Laser Products—Part 2: Safety of Optical Fibre Communication Systems |
| Immunity | EN 61000-6-1 Generic Immunity and Susceptibility (supersedes EN 50082-1); EN 55024 Immunity Characteristics (supersedes EN 61000-4-2 ESD); EN 61000-4-3 Radiated, Radio Frequency, Electromagnetic Field; EN 61000-4-4 Electrical Fast Transient; EN 61000-4-5 Surge; EN 61000-4-6 Conducted Disturbances Induced by Radio-Frequency Fields; EN 61000-4-8 Power Frequency Magnetic Field; EN 61000-4-11 Voltage Dips and Sags |
| Environmental regulatory compliance | RoHS compliant (6 of 6), WEEE compliant |
| Vibration | IEC 68-2-36, IEC 68-2-6 |
| Shock and drop | IEC 68-2-27, IEC 68-2-32 |

RUCKUS ICX 7150 ORDERING INFORMATION

| PART NUMBER | RUCKUS ICX 7150 SWITCHES WITH 1 GbE UPLINKS |
|-------------------|---|
| ICX7150-C08P-2X1G | Ruckus ICX 7150 Compact Switch, 8x 10/100/1000 Mbps PoE+ ports, 2x 1G SFP uplink-ports, 62W PoE budget, L2 (switch image only, not L3 upgradable), stacking not supported. |
| ICX7150-C12P-2X1G | Ruckus ICX 7150 Compact Switch, 12x 10/100/1000 Mbps PoE+ ports, 2x 1 GbE RJ45 uplink-ports, 2x 1 GbE SFP uplink-ports upgradable to 2x 10 GbE SFP+ with license, 124 W PoE budget, basic Layer 3 (static routing and RIP). |
| ICX7150-24-4X1G | Ruckus ICX 7150 Switch, 24x 10/100/1000 Mbps ports, 2x 1 GbE RJ45 uplink-ports, 4x 1 GbE SFP uplink-ports upgradable to up to 4x 10 GbE SFP+ with license, basic Layer 3 (static routing and RIP). |
| ICX7150-24F-4X1G | Ruckus ICX 7150 Switch, 24x 1G SFP ports, 2x 1G RJ45 uplink-ports, 4x 1G SFP uplink-ports upgradable to up to 4x 10G SFP+ with license, basic Layer 3 (static routing and RIP). |
| ICX7150-24P-4X1G | Ruckus ICX 7150 Switch 24x 10/100/1000 Mbps PoE+ ports, 2x 1 GbE RJ45 uplink-ports, 4x 1 GbE SFP uplink-ports upgradable to up to 4x 10 GbE SFP+ with license, 370 W PoE budget, basic Layer 3 (static routing and RIP). |
| ICX7150-48-4X1G | Ruckus ICX 7150 Switch, 48x 10/100/1000 Mbps ports, 2x 1 GbE RJ45 uplink-ports, 4x 1 GbE SFP uplink-ports upgradable to up to 4x 10 GbE SFP+ with license, basic Layer 3 (static routing and RIP). |
| ICX7150-48P-4X1G | Ruckus ICX 7150 Switch, 48x 10/100/1000 Mbps PoE+ ports, 2x 1 GbE RJ45 uplink-ports, 4x 1 GbE SFP uplink-ports upgradable to up to 4x 10 GbE SFP+ with license, 370 W PoE budget, basic Layer 3 (static routing and RIP). |
| ICX7150-48PF-4X1G | Ruckus ICX 7150 Switch, 48x 10/100/1000 Mbps PoE+ ports, 2x 1 GbE RJ45 uplink-ports, 4x 1 GbE SFP uplink-ports upgradable to up to 4x 10 GbE SFP+ with license, 740 W PoE budget, basic Layer 3 (static routing and RIP). |

RUCKUS ICX 7150 ORDERING INFORMATION

| PART NUMBER | RUCKUS ICX 7150 SWITCHES WITH 2x10 GbE UPLINKS |
|----------------------|---|
| ICX7150-C12P-2X10GR | Ruckus ICX 7150 Compact Switch, 12x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45, 2x10 GbE SFP+ stacking/uplink-ports, 124 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR). |
| ICX7150-C10ZP-2X10GR | Ruckus ICX 7150 Compact Switch, 2x 100/1000/2.5/5/10G PoH ports, 2x 100/1000/2.5G PoH ports, 6x 100/1000/2.5G PoE+ ports, 2x 10G SFP+ stacking/uplink-ports, 240W PoE budget, L3 features (OSPF, VRRP, PIM, PBR) |
| ICX7150-24-2X10G | Ruckus ICX 7150 Switch, 24x10/100/1000 Mbps ports, 2x1 GbE RJ45 uplink-ports, 2x1 GbE SFP and 2x10 GbE SFP+ stacking/uplink-ports upgradable to 4x10 GbE SFP+ with license, basic Layer 3 (static routing and RIP). |
| ICX7150-24F-2X10G | Ruckus ICX 7150 Switch, 24x 1G SFP ports, 2x 1G RJ45 uplink-ports, 2x 1G SFP and 2x 10G SFP+ stacking/uplink-ports upgradable to 4x 10G SFP+ with license, basic L3 (static routing and RIP). |
| ICX7150-24P-2X10G | Ruckus ICX 7150 Switch, 24x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 2x1 GbE SFP and 2x10 GbE SFP+ stacking/uplink-ports upgradable to 4x10 GbE SFP+ with license, 370 W PoE budget, basic Layer 3 (static routing and RIP). |
| ICX7150-48-2X10G | Ruckus ICX 7150 Switch, 48x10/100/1000 Mbps ports, 2x1 GbE RJ45 uplink-ports, 2x1 GbE SFP and 2x10 GbE SFP+ stacking/uplink-ports upgradable to 4x10 GbE SFP+ with license, basic Layer 3 (static routing and RIP). |
| ICX7150-48P-2X10G | Ruckus ICX 7150 Switch, 48x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 2x1 GbE SFP and 2x10 GbE SFP+ stacking/uplink-ports upgradable to 4x10 GbE SFP+ with license, 370 W PoE budget, basic Layer 3 (static routing and RIP). |
| ICX7150-48PF-2X10G | Ruckus ICX 7150 Switch, 48x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 2x1 GbE SFP and 2x10 GbE SFP+ stacking/uplink-ports upgradable to 4x10 GbE SFP+ with license, 740 W PoE budget, basic Layer 3 (static routing and RIP). |
| ICX7150-48ZP-E2X10G | Ruckus ICX 7150 Z-Series Switch, 16x100/1000 Mbps/2.5 Gbps PoH ports, 32x10/100/1000 PoE+ ports, 6x1 GbE SFP uplink ports and 2x10 GbE SFP+ stacking/uplink-ports upgradable to up to 8x10 GbE SFP+ with license, 1x 920 W AC power supply, 1 fan, 740 W PoE budget, base L3 (static routing and RIP) |
| PART NUMBER | RUCKUS ICX 7150 SWITCHES WITH UP 4 OR 8x10 GbE UPLINKS AND LAYER 3 FEATURES |
| ICX7150-24-4X10GR | Ruckus ICX 7150 Switch, 24x10/100/1000 Mbps ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR). |
| ICX7150-24F-4X10GR | Ruckus ICX 7150 Switch, 24x 1G SFP ports, 2x 1G RJ45 uplink-ports and 4x 10G SFP+ stacking/uplink-ports, L3 features (OSPF, VRRP, PIM, PBR). |
| ICX7150-24P-4X10GR | Ruckus ICX 7150 Switch, 24x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, 370 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR). |
| ICX7150-48-4X10GR | Ruckus ICX 7150 Switch, 48x10/100/1000 Mbps ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR). |
| ICX7150-48P-4X10GR | Ruckus ICX 7150 Switch, 48x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, 370 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR). |
| ICX7150-48PF-4X10GR | Ruckus ICX 7150 Switch, 48x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, 740 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR). |
| ICX7150-48ZP-E8X10GR | Ruckus ICX 7150 Z-Series switch, 16x100/1000 Mbps/2.5 Gbps PoH ports, 32x10/100/1000 PoE+ ports, 8x10 GbE SFP+ stacking/uplink-ports (max 4 for stacking), 1x920 W AC power supply, 1 fan, 740 W PoE budget, L3 features (OSPF, VRRP, PIM, PBR). |

RUCKUS ICX 7150 ORDERING INFORMATION

| RUCKUS ICX 7150 SWITCHES WITH THREE-YEAR REMOTE SUPPORT | |
|---|---|
| PART NUMBER | Please note that three-year remote support can be ordered separately to cover any Ruckus ICX 7150 model. |
| ICX7150-C08P-2X1G-RMT3 | Ruckus ICX 7150 Compact Switch, 8x 10/100/1000 PoE+ ports, 2x 1G SFP uplink-ports, 62W PoE budget, L2 (switch image only not L3 upgradable), stacking not supported, three-year remote support. |
| ICX7150-C12P-2X10GR-RMT3 | Ruckus ICX 7150 Compact Switch, 12x 10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 2x10 GbE SFP+ stacking/uplink-ports, 124 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), three-year remote support. |
| ICX7150-C102P-2X10GR-RMT3 | Ruckus ICX 7150 Compact Switch, 2x 100/1000/2.5/5/10G PoH ports, 2x 100/1000/2.5G PoH ports, 6x 100/1000/2.5G PoE+ ports, 2x 10G SFP+ stacking/uplink-ports, 240W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), three-year remote support. |
| ICX7150-24-4X10GR-RMT3 | Ruckus ICX 7150 Switch, 24x 10/100/1000 Mbps ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR), three-year remote support. |
| ICX7150-24F-4X10GR-RMT3 | Ruckus ICX 7150 Switch, 24x 1G SFP ports, 2x 1G RJ45 uplink-ports and 4x 10G SFP+ stacking/uplink-ports, L3 features (OSPF, VRRP, PIM, PBR), three-year remote support. |
| ICX7150-24P-4X10GR-RMT3 | Ruckus ICX 7150 Switch, 24x 10/100/1000 Mbps PoE+ ports, 2x1G RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, 370 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), three-year remote support. |
| ICX7150-48-4X10GR-RMT3 | Ruckus ICX 7150 Switch, 48x 10/100/1000 Mbps ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR), three-year remote support. |
| ICX7150-48P-4X10GR-RMT3 | Ruckus ICX 7150 Switch, 48x 10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, 370 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), three-year remote support. |
| ICX7150-48PF-4X10GR-RMT3 | Ruckus ICX 7150 Switch, 48x 10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, 740 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), three-year remote support. |
| ICX7150-48ZP-E8X10GR-RMT3 | Ruckus ICX 7150 Z-Series switch, 16x 100/1000 Mbps/2.5 Gbps PoH ports, 32x 10/100/1000 PoE+ ports, 8x10 GbE SFP+ stacking/uplink-ports (max 4 for stacking), 1x 920 W AC power supply, 1 fan, 740 W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), Three-year remote support |

| TAA-COMPLIANT RUCKUS ICX 7150 SWITCHES | |
|--|---|
| PART NUMBER | The Ruckus ICX 7150 models with the SKUs below meet the requirements of the Trade Agreements Act (TAA). |
| ICX7150-C12P-2X10GR-A | Ruckus ICX 7150 Compact Switch, 12x 10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 2x10 GbE SFP+ stacking/uplink-ports, 124 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA-compliant. |
| ICX7150-C102P-2X10GR-A | Ruckus ICX 7150 Compact Switch, 2x 100/1000/2.5/5/10G PoH ports, 2x 100/1000/2.5G PoH ports, 6x 100/1000/2.5G PoE+ ports, 2x 10G SFP+ stacking/uplink-ports, 240W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), TAA compliant. |
| ICX7150-24-4X10GR-A | Ruckus ICX 7150 Switch, 24x 10/100/1000 Mbps ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA-compliant. |
| ICX7150-24F-4X10GR-A | Ruckus ICX 7150 Switch, 24x 1G SFP ports, 2x 1G RJ45 uplink-ports and 4x 10G SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA compliant. |
| ICX7150-24P-4X10GR-A | Ruckus ICX 7150 Switch, 24x 10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, 370 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA-compliant. |
| ICX7150-48-4X10GR-A | Ruckus ICX 7150 Switch, 48x 10/100/1000 Mbps ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA-compliant. |
| ICX7150-48P-4X10GR-A | Ruckus ICX 7150 Switch, 48x 10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, 370 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA-compliant. |
| ICX7150-48PF-4X10GR-A | Ruckus ICX 7150 Switch, 48x 10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, 740 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA compliant. |
| ICX7150-48ZP-E8X10GR2-A | Ruckus ICX 7150 Z-Series switch, 16x 100/1000 Mbps/2.5 Gbps PoH ports, 32x 10/100/1000 PoE+ ports, 8x10 GbE SFP+ stacking/uplink-ports (max 4 for stacking), 2x920 W AC power supply, 2 fans, 1480 W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), TAA compliant. |

RUCKUS ICX 7150 ORDERING INFORMATION

| UPGRADE LICENSES | |
|---|---|
| PART NUMBER | All Ruckus ICX 7150 switch models with 1 GbE SFP uplink ports can be upgraded to 10 GbE SFP+ ports with a license. |
| BR-ICX-7150C-21U210R-P-01 | License to upgrade the Ruckus ICX 7150 12 ports compact switches from 2x1 GbE SFP to 2x10 GbE SFP+ stacking/uplink ports. Also includes Layer 3 features (OSPF, VRRP, PIM, PBR) |
| BR-ICX-7150-41U210-P-01 | License to upgrade any Ruckus ICX 7150 24/48 ports except the Z-Series from 4x1 GbE SFP to 2x1 GbE SFP and 2x10 GbE SFP+ stacking/uplink-ports. |
| BR-ICX-7150-41U410R-P-01 | License to upgrade any Ruckus ICX 7150 24/48 ports except the Z-Series from 4x1 GbE SFP to 4x10 GbE SFP+ stacking/uplink ports. Also includes Layer 3 features (OSPF, VRRP, PIM, PBR). |
| BR-ICX-7150-210U410R-P-01 | License to upgrade any Ruckus ICX 7150 24/48 ports except the Z-Series from 2x1 GbE SFP and 2x10 GbE SFP+ to 4x10 GbE SFP+ stacking/uplink-ports. Also includes Layer 3 features (OSPF, VRRP, PIM, PBR). |
| BR-ICX-7150Z210U810R-P-01 | License to upgrade ICX 7150 Z-Series model from 6x1 GbE SFP and 2x10 GbE SFP+ to 8x10 GbE SFP+ stacking/uplink ports (max 4 for stacking). Also includes L3 features (OSPF, VRRP, PIM, PBR). |
| FRUS AND ACCESSORIES | |
| RPS20-E | Ruckus ICX 7150-48ZP 920 W AC hot-swap PoE power supply, front to back airflow (up to 2 per switch). Only applicable to the Z-Series |
| ICX-FAN11 | Ruckus ICX 7150-48ZP hot-swap fan tray (up to 2 per switch). Only applicable to the Z-Series |
| ICX6400-C12-MGNT | Magnet Mount Kit for Ruckus ICX 7150/6450/6430 12 Port Compact Switches |
| CC-RJ45-DB9 | Console cable RJ45-RJ45 with RJ-45 DB9 Adapter (for RJ-45 console port on ICX 7150) |
| CC-USBC-USBA | USB 2.0 Cable, Type-C to Type-A, 1 meter (for USB Type-C console port on ICX 7150) |
| ICX7000-C12-RMK | ICX7150-C12P & ICX7150-C08P Compact Switch Rack Mount Kit |
| ICX7000-C10ZP-RMK | ICX7150-C10ZP Compact Switch Rack Mount Kit |
| ICX7000-C12-WMK | ICX7150-C12P & ICX7150-C08P & ICX7150-C10ZP Compact Switch Wall Mount & Under Desk Mount Kit |
| XBR-R000295 | Universal Rack Mount Kit, 4 post FRU |
| ICX7000-RMK | Rack Mount Kit, 2-post FRU for ICX 7000 series 24/48 port models |
| RMK-LRM-ADP | Rack Mount Kit for LRM adapters. This 1RU shelf can accommodate up to 8 LRM adapters. |
| OPTICS | |
| See Optics Datasheet at www.ruckusnetworks.com/optics | Ruckus offers a unique set of high-performance, reliable, and cost-effective optical transceivers to help enterprises and service providers meet the challenges of diverse network topologies. To ensure maximum quality, Ruckus selects and tests the most reliable, highest performing optical transceivers on the market, and then warrants their availability, capacity, and performance in Ruckus' product.* For a the specific list of optics supported by each ICX product see the Optics Datasheet at www.ruckusnetworks.com/optics . |
| MANAGEMENT SOFTWARE | |
| See SmartZone Datasheet at www.ruckusnetworks.com/smartzone | Ruckus SmartZone centralizes management of the entire family of Ruckus switches and wireless Access Points with a single easy to deploy management platform. It simplifies network set-up and management, enhances security, streamlines troubleshooting and eases upgrades. SmartZone Network Controllers are available in both appliance and virtual appliance form. For more information, go to www.ruckusnetworks.com/smartzone . |

ORDERING NOTES

All Ruckus ICX 7150 switches come with an accessory kit that includes a rubber foot kit, power cord clip, rack mount kit (for 24/48 ports model), RJ-45 console cable and US AC power cord. Stacking cables, USB console cables, compact switch rack mount kit, and optics need to be ordered separately.

All Ruckus ICX 7150 switch models with 1 GbE SFP uplink ports can be upgraded to 10 GbE SFP+ ports with a license except for the ICX 7150-C08P.

Standard Ruckus ICX 7150 1 RU Switch models can be ordered configured with either 4x1 GbE SFP, 2x1 GbE SFP, and 2x10 GbE SFP+, or 4x10 GbE SFP+ uplinks.

The Ruckus ICX7150-C12P compact switch can be ordered configured with either 2x1 GbE SFP or 2x10 GbE SFP+ uplinks.

The Ruckus ICX7150-48ZP switch can be ordered configured with 2x10 GbE SFP+ uplinks and 6x1 GbE SFP, or 8x10 GbE SFP+ uplinks.

Upgrade licenses are available to upgrade standard Ruckus ICX 7150 1 RU switches to either 2x1 GbE SFP and 2x10 GbE SFP+ or to 4x10 GbE SFP+, the Ruckus ICX 7150 compact switch to 2x10 GbE SFP+, and the Ruckus ICX7150-48ZP switch to 8x10 GbE SFP+.

Ruckus ICX 7150 Switches with 4x10 GbE SFP+ and 8x10 GbE SFP+ (2x10 GbE SFP+ for the compact switch) include a license to enable Layer 3 features (OSPF, VRRP, PIM, PBR).

Special SKUs have been created to enable customers to order specific Ruckus ICX 7150 models with three-year remote support included. Please note that additional years of remote support can always be ordered separately to cover any Ruckus ICX 7150 model. Contact Ruckus or channel partner representative for details about Ruckus support options and support part numbers.

For your convenience, a fully loaded ICX 7150-48ZP model with dual power supplies and 8x10 GbE ports bundle has been created. It comes with factory installed power supplies, fans and 8x10 GbE port licenses.

WARRANTY

Ruckus ICX 7150 Switches are covered by the Ruckus Assurance Limited Lifetime Warranty. For details, visit www.ruckusnetworks.com/warranty.

BEST-IN-CLASS SUPPORT

Ruckus ICX 7150 switches are supported by next-business-day advance replacement where available, as well as software defect repairs and maintenance updates. 90 days remote support is included with the product purchase. Many on-site and remote support options are available and can be purchased bundled with the product or separately.

LEGAL DISCLAIMER

Product features, functionality and specifications may change or be discontinued without notice. Nothing in this document shall be deemed to create a warranty of any kind, either express or implied, statutory or otherwise, including but not limited to, any implied warranties of merchantability, fitness for a particular purpose, non-infringement of third-party rights or availability with respect to any products and services.

Refer to www.ruckusnetworks.com for the latest version of this document.

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WIFI EQUIPMENT

T310 SERIES

Outdoor 802.11ac Wave 2 2x2:2 Wi-Fi Access Point



DATA SHEET



BENEFITS

SIMPLICITY

Ruckus' Outdoor APs make Wi-Fi deployments extremely simple to deploy with one-touch technologies like SmartMesh™.

STUNNING WI-FI PERFORMANCE

Extends coverage with patented BeamFlex+™ adaptive antenna technology while mitigating interference by utilizing up to 64 directional antenna patterns.

GREAT OUTDOOR WI-FI

Experience high performance outdoor 802.11ac Wave 2 Wi-Fi with IP-67 weather proofing.

MULTIPLE MANAGEMENT OPTIONS

Manage the T310 Series with physical or virtual controller appliances.

SERVE MORE DEVICES

Connect more devices simultaneously with two MU-MIMO spatial streams and concurrent dual-band 2.4/5GHz radios while also enhancing non-Wave 2 device performance.

AUTOMATE OPTIMAL THROUGHPUT

ChannelFly™ dynamic channel technology uses machine learning to automatically find the least congested channels. You always get the highest throughput the band can support.

MORE THAN WI-FI

Support services beyond Wi-Fi with [Ruckus IoT Suite](#), [Cloudpath](#) security and onboarding software, [SPoT](#) Wi-Fi locationing engine, and [SCI](#) network analytics.

Modern Wi-Fi device users expect reliable connectivity—anywhere, anytime. But in crowded outdoor venues with thousands of users and constant RF noise, they are often frustrated by poor coverage, dropped connections, and reduced data rates. These aggravating Wi-Fi experiences can easily translate to negative perceptions of the venue and the service provider, resulting in loss of business. The quality of the network experience becomes the "litmus test" for acceptance or rejection.

As the market leader in outdoor Wi-Fi deployments, Ruckus knows that one AP solution cannot meet every possible challenge of varied and complex outdoor requirements. This is why the Ruckus T310 802.11ac Wave 2 series is designed with more variety than any other outdoor AP in the market today. Available with either internal omni-directional antennas or internal high-gain directional antenna models, the T310 Series uses patented Ruckus antenna optimization and interference mitigation technologies to improve throughput, connection reliability, and deliver industry-leading 802.11ac Wave 2 performance to every connected client. At the same time, the T310 Series is designed for fast, simple installation with an ultra-lightweight, low profile, IP-67 rated enclosure that can stand up to the most challenging outdoor environments.

At Ruckus, we know that outdoor AP deployments are especially challenging for installation and maintenance, which is why Ruckus outdoor APs use a variety of technologies, like SmartMesh that help simplify outdoor AP deployment.

The Ruckus T310 Series is perfect for high-density outdoor public venues such as airports, convention centers, plazas, malls, smart cities, and other dense urban environments. By providing a superior Wi-Fi experience to every user in high-density outdoor locations, venue operators can improve guest satisfaction and loyalty, deliver new kinds of wireless application services, and increase revenues.

The Ruckus T310 Series incorporates patented technologies found only in the Ruckus Wi-Fi portfolio.

- Extended coverage with patented BeamFlex+™ utilizing multi-directional antenna patterns.
- Improve throughput with ChannelFly, which dynamically finds less congested Wi-Fi channels to use.

Whether you're deploying ten or ten thousand APs, the T310 Series is easy to manage through Ruckus' appliance and virtual management options.

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ACCESS POINT ANTENNA PATTERN

Ruckus' BeamFlex+ adaptive antennas allow the T310 AP to dynamically choose among a host of antenna patterns (up to 64 possible combinations) in real-time to establish the best possible connection with every device. This leads to:

- Better Wi-Fi coverage
- Reduced RF interference

Traditional omni-directional antennas, found in generic access points, oversaturate the environment by needlessly radiating RF signals in all directions. In contrast, the Ruckus BeamFlex+ adaptive antenna directs the radio signals per-device on a packet-by-packet basis to optimize Wi-Fi coverage and capacity in real-time to support high device density environments. BeamFlex+ operates without the need for device feedback and hence can benefit even devices using legacy standards.

Figure 1. Example of Beamflex+ pattern

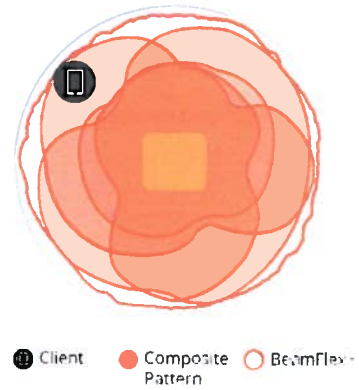


Figure 2. T310d 2.4GHz Azimuth Antenna Patterns



Figure 3. T310d 5GHz Azimuth Antenna Patterns

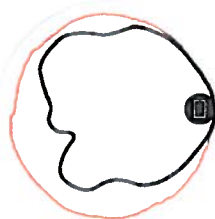


Figure 4. T310d 2.4GHz Elevation Antenna Patterns



Figure 5. T310d 5GHz Elevation Antenna Patterns



Note: The outer trace represents the composite RF footprint of all possible BeamFlex+ antenna patterns, while the inner trace represents one BeamFlex+ antenna pattern within the composite outer trace.

T310 SERIES

Outdoor 802.11ac Wave 2 2x2:2 Wi-Fi Access Point

DATA SHEET

| Wi-Fi | |
|---------------------------------|---|
| Wi-Fi Standards | <ul style="list-style-type: none"> IEEE 802.11a/b/g/n/ac Wave 2 |
| Supported Rates | <ul style="list-style-type: none"> 802.11ac: 6.5 to 867 Mbps (MCS0 to MCS9, NSS=1to2 for VHT20/40/80) 802.11n: 6.5 Mbps to 300Mbps (MCS0 to MCS15) 802.11a/g: 54, 48, 36, 24, 18, 12, 9, 6Mbps 802.11b: 11, 5.5, 2 and 1 Mbps |
| Supported Channels | <ul style="list-style-type: none"> 2.4GHz: 1-13 5GHz: 36-64, 100-144, 149-165 |
| MIMO | <ul style="list-style-type: none"> 2x2 SU-MIMO 2x2 MU-MIMO |
| Spatial Streams | <ul style="list-style-type: none"> 2 SU-MIMO 2 MU-MIMO |
| Radio Chains and Streams | <ul style="list-style-type: none"> 2x2:2 |
| Channelization | <ul style="list-style-type: none"> 20, 40, 80MHz |
| Security | <ul style="list-style-type: none"> WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i, Dynamic PSK WIPS/WIDS |
| Other Wi-Fi Features | <ul style="list-style-type: none"> WMM, Power Save, Tx Beamforming, LDPC, STBC, 802.11r/k/v Hotspot, Hotspot 2.0 Captive Portal WiSPi |

| RF | T310c | T310d | T310s | T310n |
|---|--|-------|--|--|
| Antenna Type | BeamFlex+ adaptive antennas with polarization diversity | | | |
| Antenna Gain (max) | Up to 3dBi | | Up to 9dBi | Up to 13 dBi |
| Peak Transmit Power (aggregate across MIMO chains) | <ul style="list-style-type: none"> 2.4GHz: 23dBm 5GHz: 24dBm | | <ul style="list-style-type: none"> 2.4GHz: 24dBm 5GHz: 21dBm | <ul style="list-style-type: none"> 2.4GHz: 21dBm 5GHz: 17dBm |
| BeamFlex+ SINR Transmit Power Gain* | Up to 6 dB | | | |
| BeamFlex+ SINR Receive Power Gain* | Up to 4 dB | | | |
| Minimum Receive Sensitivity¹ | -101dBm | | | |
| Frequency Bands | <ul style="list-style-type: none"> ISM (2.4-2.484GHz) U-NII-1 (5.15-5.25GHz) U-NII-2A (5.25-5.35GHz) U-NII-2C (5.47-5.725GHz) U-NII-3 (5.725-5.85GHz) | | | |

| 2.4GHZ RECEIVE SENSITIVITY | | | |
|----------------------------|------|------|------|
| HT20 | | HT40 | |
| MCS0 | MCS7 | MCS0 | MCS7 |
| -95 | -78 | -92 | -75 |

| 5GHZ RECEIVE SENSITIVITY | | | | | | | |
|--------------------------|------|-------|------|-------|------|------|------|
| VHT20 | | VHT40 | | VHT80 | | | |
| MCS0 | MCS7 | MCS0 | MCS7 | MCS9 | MCS0 | MCS7 | MCS9 |
| -96 | -77 | -93 | -74 | -69 | -90 | -71 | -66 |

| 2.4GHZ TX POWER TARGET | |
|------------------------|------------|
| Rate | Pout (dBm) |
| MCS0 HT20 | 23 |
| MCS7 HT20 | 18 |
| MCS0 HT40 | 22 |
| MCS7 HT40 | 18 |

| 5GHZ TX POWER TARGET | |
|----------------------|------------|
| Rate | Pout (dBm) |
| MCS0 VHT20 | 24 |
| MCS7 VHT20 | 20 |
| MCS9 VHT20 | 8 |
| MCS0 VHT40, VHT80 | 23 |
| MCS7 VHT40, VHT80 | 20 |
| MCS9 VHT40, VHT80 | 18 |

| PERFORMANCE AND CAPACITY | |
|--------------------------|--|
| Peak PHY Rates | <ul style="list-style-type: none"> 2.4GHz: 300Mbps 5GHz: 867Mbps |
| Client Capacity | Up to 512 clients per AP |
| SSID | Up to 31 per AP |

| RUCKUS RADIO MANAGEMENT | |
|-------------------------------------|---|
| Antenna Optimization | <ul style="list-style-type: none"> BeamFlex+ Polarization Diversity with Maximal Ratio Combining (MRC) |
| Wi-Fi Channel Management | <ul style="list-style-type: none"> ChannelFly Background Scan Based |
| Client Density Management | <ul style="list-style-type: none"> Adaptive Band Balancing Client Load Balancing Airtime Fairness Airtime-based WLAN Prioritization |
| SmartCast Quality of Service | <ul style="list-style-type: none"> QoS-based scheduling Directed Multicast L2/L3/L4 ACLs |
| Mobility | SmartRoom |
| Diagnostic Tools | <ul style="list-style-type: none"> Spectrum Analysis SpeedFlex |

* BeamFlex gains are statistical system level effect. † Translated to enhanced SINR based on observations over time in real world conditions with multiple APs and many clients.
¹ Receive sensitivity varies by band, channel width, and MCS rate.

T310 SERIES

Outdoor 802.11ac Wave 2 2x2:2 Wi-Fi Access Point

DATA SHEET

| NETWORKING | |
|------------------------------------|---|
| Controller Platform Support | <ul style="list-style-type: none"> SmartZone ZoneDirector Standalone |
| Mesh | SmartMesh™ wireless meshing technology. Self-healing Mesh |
| IP | IPv4, IPv6 |
| VLAN | <ul style="list-style-type: none"> 802.1Q (1 per BSSID or dynamic per use based on RADIUS) VLAN Pooling Port-based |
| 802.1x | Authenticator & Supplicant |
| Tunnel | L2TP, GRE, soft-GRE |
| Policy Management Tools | <ul style="list-style-type: none"> Application Recognition and Control Access Control Lists Device Fingerprinting Rate Limiting |
| IoT Capable | Yes |

| PHYSICAL INTERFACES | | | | |
|---------------------|----------------------|----------------------------------|-------|-------|
| | T310c | T310d | T310s | T310n |
| Ethernet | 1 x 1GbE port, RJ-45 | | | |
| USB | — | 1 USB 2.0 port, Type A | | |
| DC Power | — | 12V DC Terminal Block (8V - 20V) | | |

| PHYSICAL CHARACTERISTICS | | | | |
|------------------------------|---|---|-------|-------|
| | T310c | T310d | T310s | T310n |
| Physical Size | 18.1(L) x 15.1(W) x 7.9(H) cm 7.1(L) x 5.9(W) x 3.1(H) in. | 26(L) x 20.9(W) x 10.3(H) cm 10.2(L) x 8.2(W) x 4.1(H) in. | | |
| Weight | 1kg (2.1lbs) | 1.65kg (3.6lbs) | | |
| Ingress Protection | IP 67 | | | |
| Mounting | Wall, Drop ceiling, Desk Pole Mount Diameter 1" to 2.5" | | | |
| Operating Temperature | -20° C (-4° F) to 65° C (149° F) | -40° C (-40° F) to 65° C (149° F) | | |
| Operating Humidity | Up to 95%, non-condensing | | | |
| Wind Survivability | Up to 266km/h (165 mph) | | | |

| POWER ² | | | | |
|-------------------------|--|--------|--------|--------|
| | T310c | T310d | T310s | T310n |
| Power Supply | Max Power Consumption (includes USB power) | | | |
| 802.3af/at (PoE) | 7.92W | 11.86W | 11.86W | 11.86W |
| DC | — | 11.7W | 12.11W | 11.7W |

² Max power varies by country setting, band and MCS rate
³ For complete list of WFA certifications, please see Wi-Fi Alliance website
⁴ For current certification status, please see price list.

| CERTIFICATIONS AND COMPLIANCE | |
|---|--|
| Wi-Fi Alliance³ | <ul style="list-style-type: none"> Wi-Fi CERTIFIED™ a, b, g, n, ac Passpoint™, Vantage |
| Standards Compliance⁴ | <ul style="list-style-type: none"> EN 60950-1 Safety EN 60601-1-2 Medical EN 61000-4-2/3/5 Immunity EN 50121-1 Railway EMC EN 50121-4 Railway Immunity IEC 61373 Railway Shock & Vibration UL 2043 Plenum EN 62311 Human Safety/RF Exposure WEEE & RoHS ISTA 2A Transportation |

| SOFTWARE AND SERVICES | |
|--------------------------------|-------------------------|
| Location Based Services | SPoT |
| Network Analytics | SmartCell Insight (SCI) |
| Security and Policy | Cloudpath |

| MODEL FEATURE DIFFERENCES | | | | |
|---------------------------|---------------------|----------|-----|----------|
| Model | Antenna | Low Temp | USB | DC Power |
| T310c | Omni | -20° C | N | N |
| T310d | Omni | -40° C | Y | Y |
| T310n | Narrow Sector (30°) | -40° C | Y | Y |
| T310s | Sector (120°) | -40° C | Y | Y |

| ORDERING INFORMATION | |
|----------------------|--|
| T310 OUTDOOR APs | |
| 901-T310-XX20 | T310c, omni, outdoor access point, 802.11ac Wave 2 2x2:2 internal BeamFlex+, dual band concurrent. One Ethernet port, PoE input, DC input and USB port. -20° C to 65° C Operating Temperature. Includes mounting bracket and one year warranty. Does not include PoE injector. |
| 901-T310-XX40 | T310d, omni, outdoor access point, 802.11ac Wave 2 2x2:2 internal BeamFlex+, dual band concurrent. One Ethernet port, PoE input, DC input and USB port. -40° C to 65° C Operating Temperature. Includes mounting bracket and one year warranty. Does not include PoE injector. |
| 901-T310-XX51 | T310s, 120x30 deg. Outdoor 802.11ac Wave 2 2x2:2, 120 degree sector, dual band concurrent access point. One Ethernet port, PoE input, DC input and USB port. -40° C to 65° C Operating Temperature. Includes adjustable mounting bracket and one year warranty. Does not include PoE injector. |
| 901-T310-XX61 | T310n, 30x30 deg. Outdoor 802.11ac Wave 2 2x2:2, narrow beam, dual band concurrent access point. One Ethernet port, PoE input, DC input and USB port. -40° C to 65° C Operating Temperature. Includes adjustable mounting bracket and one year warranty. Does not include PoE injector. |

See Ruckus price list for country specific ordering information. Warranty: Sold with a limited one year warranty. For details see: <http://support.ruckuswireless.com/warranty>

T310 SERIES

Outdoor 802.11ac Wave 2 2x2:2 Wi-Fi Access Point

DATA SHEET

OPTIONAL ACCESSORIES

| | |
|----------------------|---|
| 902-0162-XXYY | • PoE injector (24W) (Sold in quantities of 1, 10 or 100) |
| 902-0125-0000 | • Secure articulating mounting bracket |
| 902-0127-0000 | • Extended cap to accommodate up to 6 cm long USB dongle |
| 902-1121-0000 | • Spare weatherizing cable gland with option of one hole or 2 hole connection |

PLEASE NOTE: When ordering outdoor APs, you must specify the destination region by indicating -US, -WW, or -Z2 instead of -XX. When ordering PoE injectors or power supplies, you must specify the destination region by indicating -US, -EU, -AU, -BR, -CN, -IN, -JP, -KR, -SA, -UK, or -UN instead of -XX. For access points, -Z2 applies to the following countries: Algeria, Egypt, Israel, Morocco, Tunisia, and Vietnam.

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802.11ac Wave 2 2x2:2 Wi-Fi Access Point

www.ruckusnetworks.com

100%

ADVERTISING OPTIONS



solution brief

Purple WiFi

The Leader in Social WiFi

Introduction

Purple WiFi is a hotspot WiFi solution that is also a powerful marketing tool. It helps brick-and-mortar stores increase business and improve customer loyalty via sophisticated yet easy to use customer analytics and campaign management tools. Working with Ruckus Smart WiFi and Ruckus Smart Positioning Technology (SPoT), Purple WiFi can also leverage detailed location data to enhance customer insight and allow much finer targeting of customer marketing campaigns.

Purple WiFi is a powerful and secure platform, with features such as social login, enhanced social media interaction, family friendly content filtering and real time insight and analytics. It allows login via Facebook, Twitter etc. or any short form that can expand your social network presence quickly. It also captures customer data, including opt-in email addresses, allowing venues to quickly build up valuable marketing lists of people who have actually been in their store, restaurant or venue.

ATTACHMENT C

Splice – South Gate / Tweedy Mile Site Survey Summary



Preface

Confidentiality Statement

The information contained in this document is confidential and proprietary to Splice Communications Inc., (Splice). Splice submits this information with the understanding that **BACO Realty Corporation (BACO)** will hold it in strict confidence. The contents are not to be disclosed, duplicated or used, in whole or in part, for any purpose other than the evaluation of Splice's qualifications or participation in the scope of work identified within this document.

Disclaimer

The obligation of the parties to perform the effort identified in this document is subject to the execution of a written agreement between the parties.

Contacts

Any questions concerning this document can be addressed to:

Kyle Jones

T 650 577 2342

kjones@splicetelecom.com

Company Profile

Corporation Name and Address

Splice Communications Inc.
2225 East Bayshore Road, #200
Palo Alto, CA. 94303
<http://www.splicens.com/>

Type of Entity: Private Corporation (C-Corporation)

State of Incorporation: California

Date Founded: 2002

Company Size: 250 direct and contract employees

Primary Industries Served: Splice currently serves a wide range of customers that spreads across several industries and verticals. We have found particular success in the healthcare, retail and manufacturing markets.

Splice has been providing Help Desk, Infrastructure Monitoring and Telecom Carrier Management services for over 16 years. What differentiates Splice from other providers, is the scope and geographic service reach we offer to and for our clients. Most Managed Services providers (MSPs) are geographically regional and limited in terms of their abilities to provide services. While they are limited to specific metro areas of service, Splice has the capability and infrastructure to be able to provide its services to national/global companies with multiple locations. Another key differentiator is our ability to empower the employee end users to initiate Help Desk requests and to receive assistance immediately (2 minutes or less). Other providers or internal IT organizations require a waiting period of hours to days after a request for service is submitted.

Over **85%** of all client service requests by our technicians are resolved in the first engagement and usually in less than 18 minutes. Our team of over **250 technicians** are staffed to manage high volumes of requests **24 x 7 x 365**, which provides relief for the end users and for our clients' IT team, so they can focus on higher priority projects and initiatives. Our Infrastructure and Telecom Carrier Management services empower IT Teams, and office managers to delegate extremely time intensive implementation and resolution tasks to our team with a greater level of efficiency and urgency, resulting in dramatically reduced "down time". Our robust, combined service offering is unique in the market and provides our clients with the peace of mind to delegate a wide level of daily IT tasks to our team.

Our customer retention rate is over 98% with most customers extending an average 24-month contract to an additional 24-36 months.

Splice has been recognized by **Inc 500** as one of the Fastest Growing Private Companies in the U.S.

SOUTHGATE TWEEDY MILE SITE SURVEY SUMMARY

A site survey was conducted at Tweedy Mile on the week of September 22, 2019 for the purposes of improving the City of SouthGate's wide area network reach. Tweedy Mile has a large number of light poles with power and mounting locations which could facilitate the mounting of backhaul and WIFI equipment. There are also several points of internet available throughout Tweedy Mile, and nearby locations which could be extended via underground fiber (if present) or by utilizing Microwave Wireless Equipment.

We recommend Meraki's series of firewall options to ensure high reliability with granular visibility and history in the network thereby allowing a simplified management approach under one pane of glass.

Backhaul to each light pole/ mounting location can be accomplished via a Microwave Point to MultiPoint System and also utilizing the Ruckus Wireless Mesh in certain instances. For the Point to MultiPoint System we highly recommend avoiding unlicensed WIFI bands to prevent interference. We recommend Siklu's MultiHaul Series of Backhaul Equipment as it utilizes the 60GHz band to deliver reliable high secure bandwidth to the endpoints. A lower cost alternative that may also be a good fit is IgniteNet's MetroLinq product as it also utilizes the 60GHz band for backhaul delivery.

We highly recommend Ruckus Wireless series of products as the beamforming nature of the carrier grade antennas and radios allow the reach of the WIFI to extend beyond traditional approaches and therefore reduce costs and equipment requirements for Tweedy Mile. Management of the switching equipment and WIFI equipment can all be done under the Ruckus SmartZone Management Appliance. Distribution of the WIFI can be managed by the SmartZone Management Appliance, or for advertising and monetization Purple WIFI can be Added accordingly. Through this system the end users would enjoy a seamless WIFI experience throughout the in-scope areas.

Based on our Google KMZ Survey Data we have engineered a new optimum WIFI Design with key placement in areas that will maximize WIFI reach and performance for your end users. Based on the design we preliminarily expect the following quantities of equipment required for SouthGate Park:

| Device Type | Quantity |
|---------------------------------------|----------|
| FIREWALL | 2 |
| CORE SWITCH | 1 |
| SWITCHING + WIFI MANAGEMENT APPLIANCE | 2 |
| SECTORIZED PTMP BASESTATIONS | 8 |
| PTMP CPE END POINTS | 28 |
| REMOTE SWITCHES | 28 |

Mounting Location Options Google KMZ Data (HD Resolution and KMZ Data are available upon request) Sector Configuration

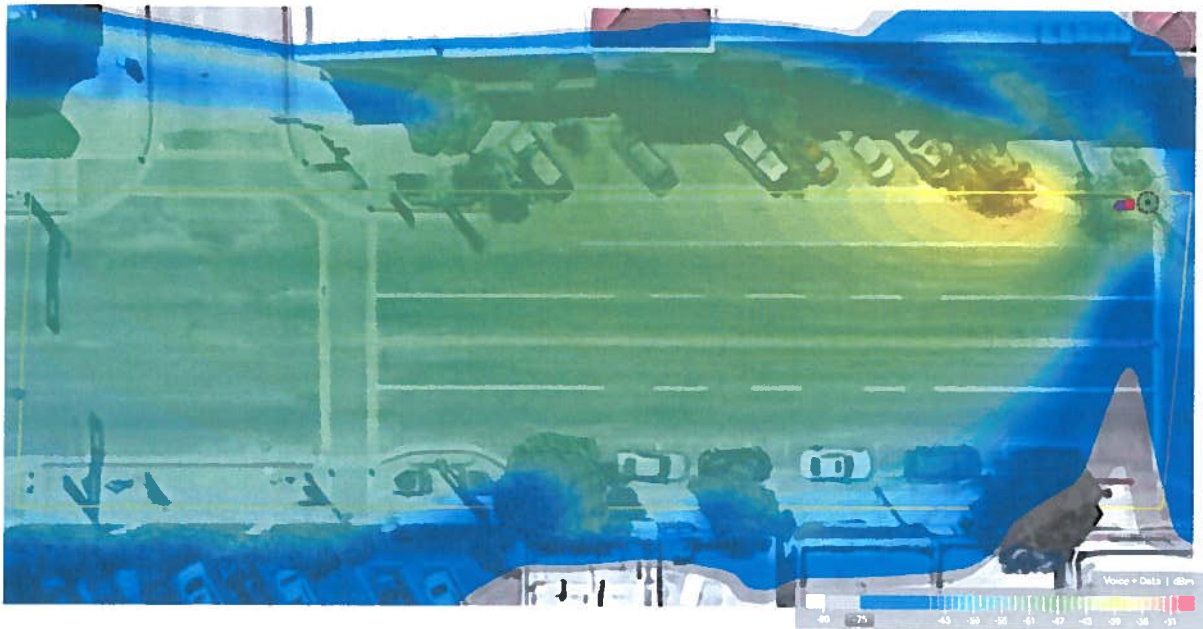


EKAHAU WIFI DESIGN utilizing Ruckus Wireless T310 Series Access Points

Sector 1



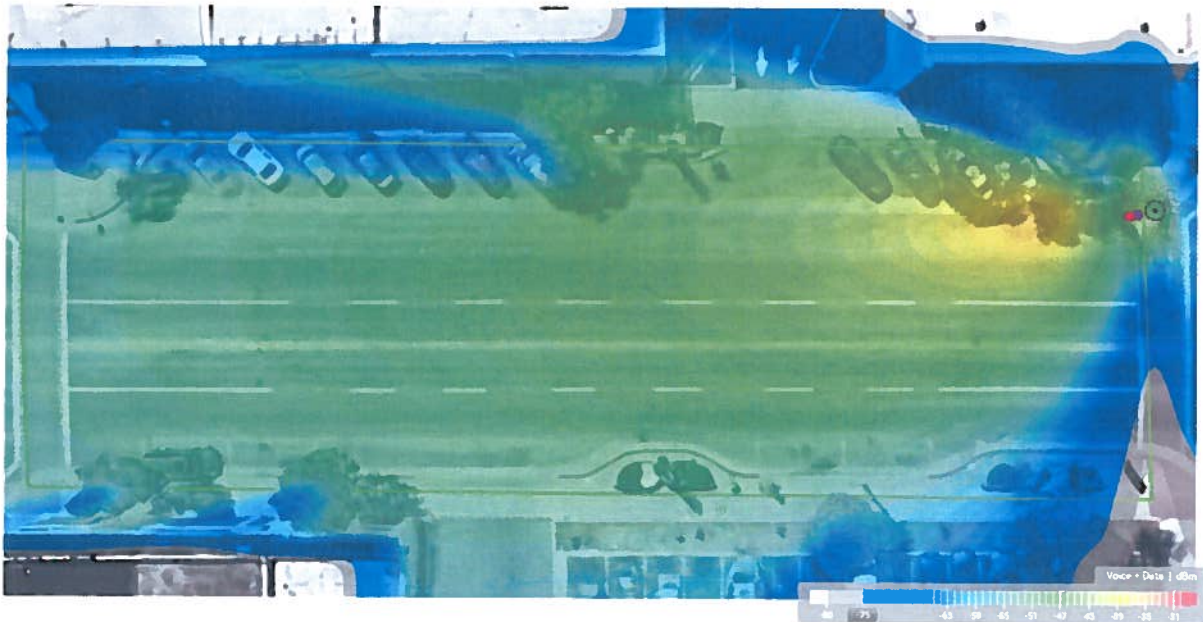
5GHz RSSI Prediction



Sector 2



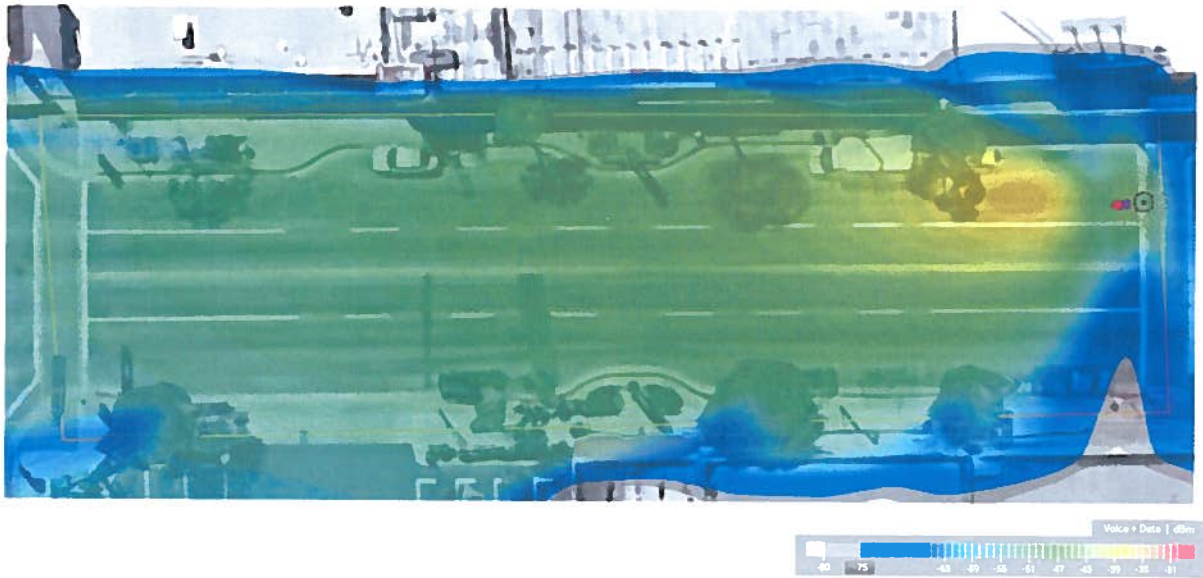
5GHz RSSI Prediction



Sector 3



5GHz RSSI Prediction



Sector 4



5GHz RSSI Prediction



Sector 5



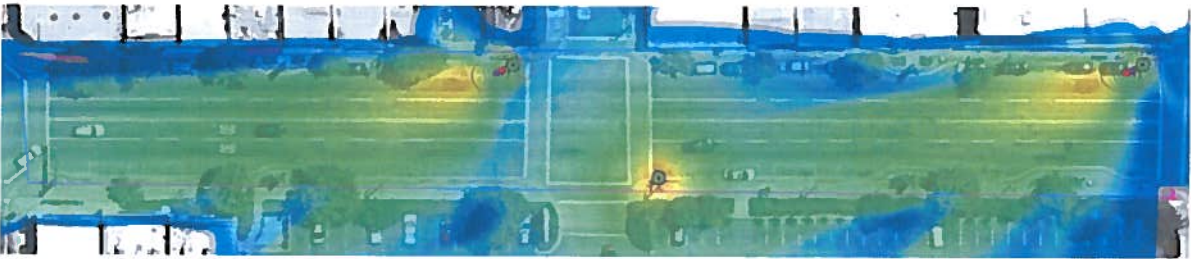
5GHz RSSI Prediction



Sector 6



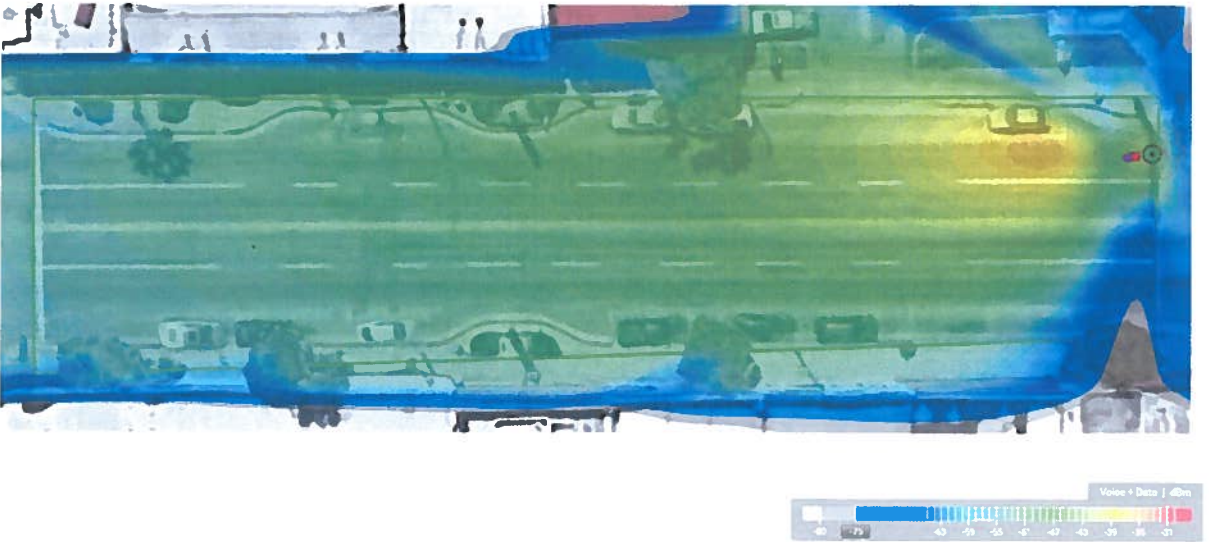
5GHz RSSI Prediction



Sector 7



5GHz RSSI Prediction



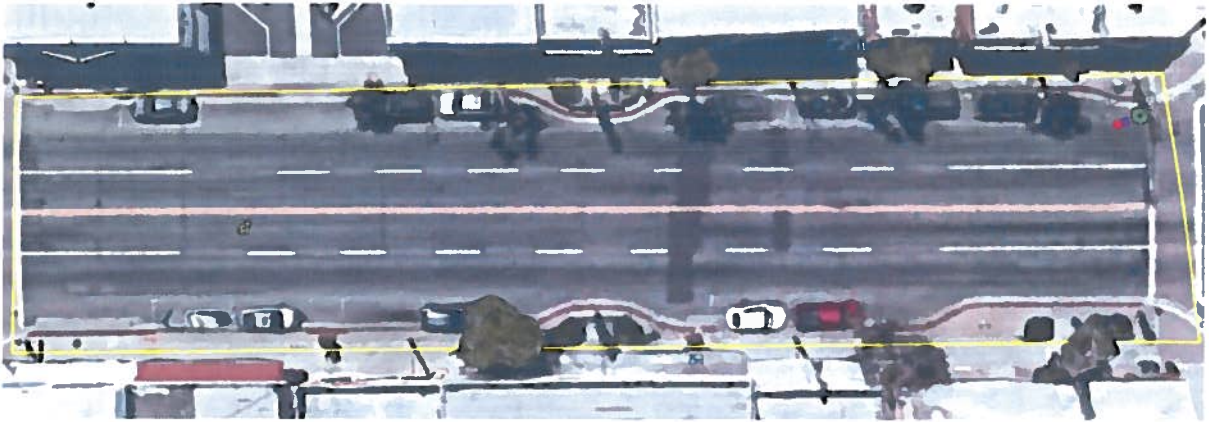
Sector 8



5GHz RSSI Prediction



Sector 9



5GHz RSSI Prediction



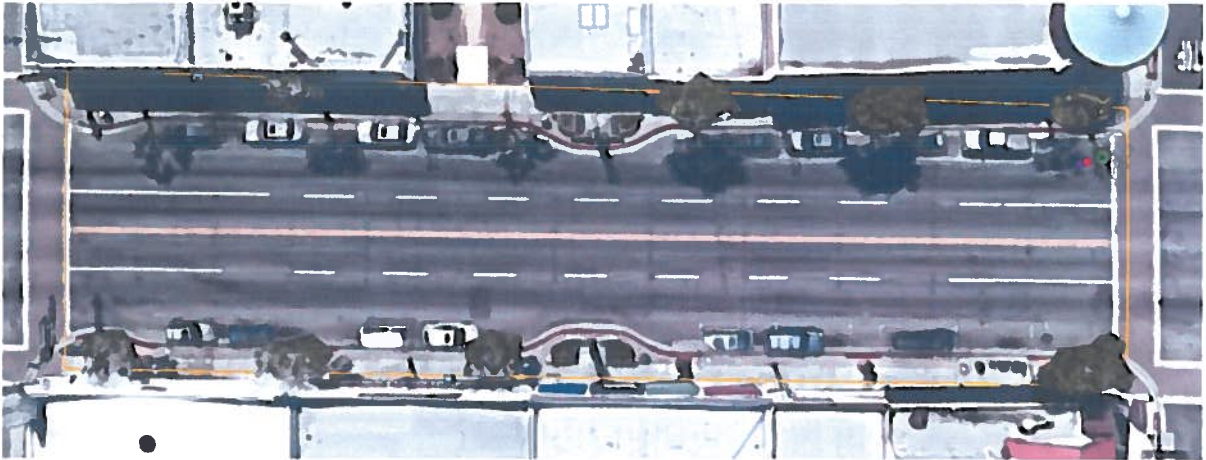
Sector 10



5GHz RSSI Prediction



Sector 11



5GHz RSSI Prediction



Sector 12



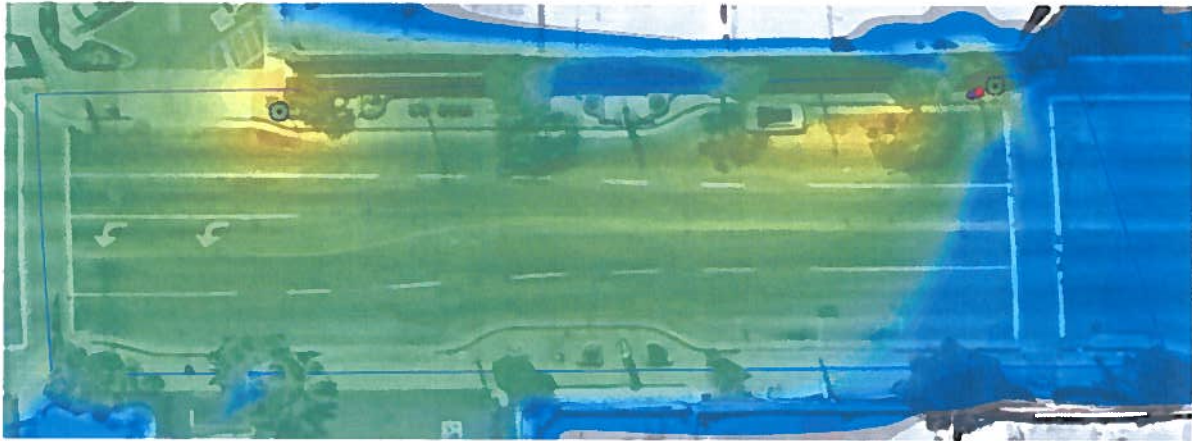
5GHz RSSI Prediction



Sector 13



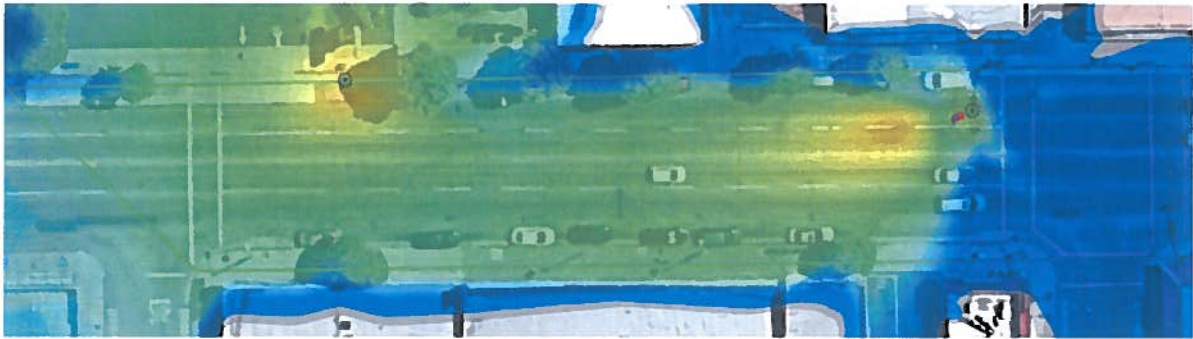
5GHz RSSI Prediction



Sector 15



5GHz RSSI Prediction



Sector 16



5GHz RSSI Prediction



Firewall Options

The Cisco Meraki logo is displayed in white on a green background. It consists of the word "CISCO" in a sans-serif font with a vertical bar to its left, and the word "Meraki" in a serif font to its right.

MX Sizing Guide

SEPTEMBER 2018

This technical document provides guidelines for choosing the right Cisco Meraki security appliance based on real-world deployments, industry standard benchmarks, and analysis of user descriptions.

Overview

Cisco Meraki MX Security Appliances are Unified Threat Management (UTM) products. UTM products offer multiple security features in a simple-to-deploy, consolidated form factor. Given the number of security features that can be deployed in any given MX, device performance will vary depending on the use case. Choosing the right MX depends on the use case and the deployment characteristics.

This technical guide is designed to help answer the following questions:

- How do I decide which MX model I need?
- Which features should I turn on?
- How do MX models compare against the competition?

Choosing the right hardware

Cisco Meraki MX products come in 8 product families. The chart below outlines MX hardware properties available under each family.

| | MX64(W) | MX65(W) | MX67(W/C) | MX68(W/CW) | MX84 | MX100 | MX250 | MX450 |
|---|---------|---------|-----------|------------|------|-------|-------------|-------------|
| Dual Wan Links | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 3G / 4G Failover | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Built-In LTE Modem Model Available | | | ✓ | ✓ | | | | |
| Built-In Wireless Available | ✓ | ✓ | ✓ | ✓ | | | | |
| Built-In PoE+ Model Available | | ✓ | | ✓ | | | | |
| Hard Drive | | | | | 1TB | 1TB | 1.8GB (SSD) | 128GB (SSD) |
| Fiber Connectivity | | | | | SFP | SFP | SFP SFP+ | SFP SFP+ |
| Dual Power Supply | | | | | | | ✓ | ✓ |
| Form Factor | Desktop | Desktop | Desktop | Desktop | 1U | 1U | 1U | 1U |

Network performance benchmarks

Industry standard benchmarks are designed to help you compare MX security appliances to firewalls from other vendors. These tests assume perfect network conditions with ideal traffic patterns. When measuring maximum throughput for a certain feature, all other features are disabled. Actual results in production networks will vary.

| | MX64/65 series | MX67/68 series | MX84 | MX100 | MX250 | MX450 |
|--|----------------|----------------|----------|----------|--------|--------|
| Max throughput with all security features enabled | 200 Mbps | 300 Mbps | 320 Mbps | 650 Mbps | 2 Gbps | 4 Gbps |
| Max Stateful (L3) firewall throughput in passthrough mode | 250 Mbps | 450 Mbps | 500 Mbps | 750 Mbps | 4 Gbps | 6 Gbps |
| Max Stateful (L3) firewall throughput in NAT mode | 200 Mbps | 450 Mbps | 500 Mbps | 750 Mbps | 4 Gbps | 6 Gbps |
| Max VPN throughput | 100 Mbps | 200 Mbps | 250 Mbps | 500 Mbps | 1 Gbps | 2 Gbps |
| Max concurrent VPN tunnels ¹ (site-to-site or client VPN) | 50 | 50 | 100 | 250 | 3,000 | 5,000 |
| Recommended maximum concurrent VPN tunnels ² (site-to-site or client VPN) | 50 | 50 | 100 | 250 | 1,000 | 1,500 |
| Max AMP throughput | 250 Mbps | 300 Mbps | 500 Mbps | 750 Mbps | 2 Gbps | 4 Gbps |
| Max IDS throughput | 200 Mbps | 300 Mbps | 320 Mbps | 650 Mbps | 2 Gbps | 4 Gbps |

The SD-WAN feature set for the MX includes active-active VPN, which creates VPN tunnels between peers on all available uplinks in order to make the most efficient possible use of available WAN bandwidth. A connection between two peers can therefore contain up to four tunnels, depending on the number of MX uplinks at each site. This should be taken into consideration when making VPN sizing decisions.

¹ The maximum concurrent VPN tunnels are based on lab testing scenarios where no client traffic is transferring over the VPN tunnels.

² Recommended concurrent VPN tunnels are based on lab testing scenarios with client traffic transferring over VPN tunnels.

Features, benefits and performance impact

UTM products come with a variety of security and networking features. Understanding the benefits and tradeoffs of these features is crucial to getting the maximum security benefit without unnecessary performance degradation.

| | BENEFITS | PERFORMANCE IMPACT | RECOMMENDATIONS |
|--------------------------------------|--|---------------------------|---|
| Malware protection | Blocks HTTP-based file downloads based on the disposition received from the Cisco AMP cloud. | High | Consider disabling for guest VLANs and using firewall rules to isolate those VLANs. Also consider disabling if you run a full malware client like AMP for Endpoints on host devices. |
| IDS / IPS | Provides alerts / prevention for suspicious network traffic. | High | Consider not sending IDS/IPS syslog data over VPN in low-bandwidth networks. |
| VPN | Secure, encrypted traffic between locations. | Medium | Use split-tunnel VPN and deploy security services at the edge. |
| Web caching | Accelerating access to Web content by caching locally. | Medium | Ideal for repetitively accessing heavy multimedia content frequently for low bandwidth networks. Not recommended for high bandwidth networks. Please note that YouTube doesn't support web caching. |
| Content filtering (top sites) | Category based URL filtering using locally downloaded database. | Low | Choose this option if your priority is speed over coverage. |
| Content filtering (full list) | Category based URL filtering using the full database hosted at Brightcloud.com. | Medium | Choose this option if your priority is 100% coverage and security. Web browsing will be slightly slower at the beginning but will improve as more and more URL categories are cached. |
| Web safe-search | Turning Google / Bing safe search option on. | Low | Must be deployed in tandem with "disable encrypted search" option to be effective. |
| Blocking encrypted search | Disabling Google / Bing searches via https (port 443) allowing Web safe-search enforcement. | Low | Must be deployed in tandem with "Web safe-search" to be effective. Requires a DNS setting modification, otherwise will also break Google apps. Check Meraki knowledge base for further information. |

Client recommendations

Although there is no hard limit on the number of client devices that can be deployed below MX Security Appliances, for purposes of this document all tests were performed with the client counts shown in the table below. Exceeding these client counts may result in performance that varies from the sizing data contained in this guide.

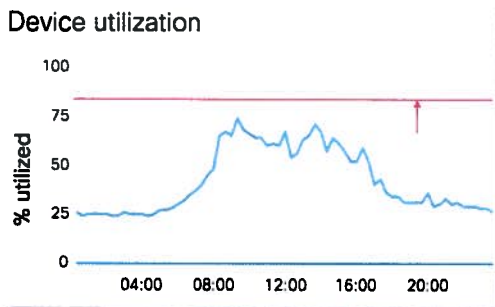
RECOMMENDED NUMBER OF CLIENT DEVICES

| | MX64/65 series | MX67/68 series | MX84 | MX100 | MX250 | MX450 |
|----------------------------|----------------|----------------|------|-------|-------|--------|
| Recommended client devices | 50 | 50 | 200 | 500 | 2,000 | 10,000 |

Built-in MX Device utilization

This guide aims to educate the user on the expected utilization and load levels for specific MX models with certain features enabled. However, to accurately predict the load on the device, it must be tested in its designated environment, under expected conditions. There are a large number of variables in each individual network that will affect real-world performance, such as the unique traffic blend and the features in use.

MX Device utilization helps provide a better understanding of the device's load over time and can be used to assess the utilization level and whether a higher end device or a load reduction is required. If an MX device is consistently over 85% utilization during normal operation*, upgrading to a higher throughput model or reducing the per device load should be considered. The MX Device utilization tool is available through an API or as a graph shown on the Summary Report page.



MX Device utilization calculation

The device utilization data reported to the Meraki Dashboard is based on a load average measured over a period of one minute. The load value is returned in numeric value ranging from 1 through 100. A lower value indicates a lower load, and a higher value indicates a more intense workload. Currently, the device utilization value is calculated based upon the CPU utilization of the MX as well as its traffic load.

Due to load averaging, it's possible for transient load spikes to occur without being visible in the utilization metric. For example, a device load that is consistently shown as less than 85% may still be experiencing transient load spikes. These transient load spikes may cause packets received in excess of the device's forwarding capacity to be dropped.

* With all the desired features turned on, the expected number of clients connected, and the expected traffic mix traversing the device.

Conclusion

While every network will have a unique traffic pattern, this guide highlights a few common scenarios to help you choose the right Cisco Meraki MX product for your environment. Consider planning for future growth by allocating buffer room in your firewall selection (e.g., if you currently have 550 users, choose an MX that supports 1000 users). This will ensure that you can continue enabling additional security and network features as they become available. Also considering ISP speeds are increasing year over year, it is important to choose a firewall that will serve you well over many years.

POINT TO MULTIPOINT OPTIONS



Multi-Gigabit Throughput in an Always-On Point-to-Multipoint Radio

MultiHaul™ is a PTMP multi-gigabit radio operating over millimeter waves. It brings the advantages of mmW – multi-gigabit capacity, immunity to interference and always-on reliability - to a cost effective small form factor PTMP solution. MultiHaul™ is a plug & play system designed to easily scale, taking advantage of patent-pending scanning antennas that auto-align links, and enables connectivity for up to 8 Terminal Units at up to 400 meters range, as well as robust planning and management tools.

A Wide Range of Applications

- Security / Safe City Networks
- Gigabit to the Home
- Smart City
- Business Services
- Wi-Fi Backhaul

Secure and Physically Immune Narrow Beams

MultiHaul™ radios operate over the millimeter wave spectrum using narrow beams. This confers several advantages including complete immunity to interference and network jamming, as well as high security. In contrast to wide-beam wireless systems that need to use multiple strategies to perform in dense areas, and are not successful 100% of the time, MultiHaul™ is inherently interference free and secure under any circumstances thanks to a unique combination of narrow beams and high frequencies. Multiple subscribers and services can be connected with complete isolation based on physical port, VLAN ID or other Terminal Unit.

An Ocean of Spectrum

The MultiHaul™ takes advantage of large millimeter wave spectrum and wide channels in order to bring multi-gigabit 60GHz capacity to a PTMP system with a single Base Unit and up to 8 Terminal Units. With its extremely high reuse factor, the wide spectrum is available anywhere, even in dense urban areas and challenging deployment scenarios.



Ready Set Go

The plug and play system is designed for an easy single person installation. The patent pending scanning antennas automatically align with the Base Unit. For buildings with difficult roof-top access, a single base unit needs to be installed on a roof to serve multiple locations. The Base Unit (BU) supports advanced auto-provisioning Terminal Units (TU) configuration files are stored in the BU to enable early and advanced provisioning. The TU can be located on building sides with no need for internal re-wiring of buildings to achieve multi-gigabit throughput.

Always-On Mission Critical Networks

When you can't afford to lose a video stream, critical city sensor data or any other mission critical data, you need to use a wireless network that is reliable and secure as fiber. With maximal immunity to interference and hard-wired links with embedded AES encryption, MultiHaul™ delivers a network you can count on.

Very Large Scale Planning and Optimization

MultiHaul™ is available with robust network planning and optimization tools that help system integrators and large operators scale their networks and with low overhead.

Fiber Quality with Wireless Flexibility

5G-like millimeter wave radios successfully combine the capacity of fiber with the flexibility, speed of deployment and low TCO of wireless networks. That's what makes them the world's best-looking millimeter wave networks by year-end 2017. They provide rock-solid performance even under some of the harshest conditions in thousands of networks around the globe.





The main specifications of the MultiHaul™ Base Units (BU) and Terminal Units (TU) are outlined in the following table. Some specific details are part number dependent, and identified at the part number level in the ordering documents. Part numbers: MH-B100 CCS-PoE-MWB; MH-T200 CNN-PoE-MWB, MH-T200 CCC-PoE-MWB

| | | BU MH- B100-CCS | TU MH- T200-CCC | TU MH- T200-CNN |
|-------------------------------------|--|--------------------|--------------------|--------------------|
| Topologies | Point to Multi-point Point to Point | ✓ | ✓ | ✓ |
| Built-in Antenna | Horizontal scanning: 90° Vertical beam-width: 20° | ✓ | ✓ | ✓ |
| Frequency & Duplexing | 57-64GHz | ✓ | ✓ | ✓ |
| Channels & Width | 2 non-overlapping channels, 2160MHz wide | ✓ | ✓ | ✓ |
| Modulation & Coding | 9 level of adaptive coding and modulation | ✓ | ✓ | ✓ |
| Line Rate (PHY) | Line rate up to (Mbps) | 2300 | 2300 | 2300 |
| Aggregate Throughput ⁽¹⁾ | Max capacity (Mbps), license dependent | 1800 | 1000 | 1000 |
| System Gain (link budget) | 128.5dB (including antenna gain) | ✓ | ✓ | ✓ |
| Typical Reach | 500-1300ft (280-400m) Detailed performance calculations - see Siklu's online link budget calculator: siklu.com/toolset/haul_lbc/ | ✓ | ✓ | ✓ |
| Interfaces | Up to 3x RJ-45 100/1000 Base-T | - | 3 | 1 |
| | 2x RJ-45 100/1000Base-T + 1x SFP (supports 1GbE & 2.5GbE) | ✓ | - | - |
| Terminal Units (TU) | Up to 6 Terminal Units | ✓ | - | - |
| Ethernet Features | IEEE 802.1d transparent bridging Provider bridge - VLAN & VLAN stacking Jumbo frames; Port isolation; TU isolation; LLDP | ✓ | ✓ | ✓ |
| Security | AES 128-bits | ✓ | ✓ | ✓ |
| Management & Provisioning | TU auto-provisioning; In-band, out-of-band management Web GUI (one-click configuration of local and remote units) & Embedded CLI; SNMPv2/3, TACACS+, RADIUS | ✓ | ✓ | ✓ |
| Conformance | Radio: US FCC 47 CFR Part 15.255; Japan Radio Equipment Certification Ordinance 2-1-19-4-2 EMC: US FCC 47 CFR Part 15; EN 301 489 Safety: UL 60950 | ✓ | ✓ | ✓ |
| Power Supply | PoE, 10W (IEEE 802.3af) without PoE-Out, 55W with PoE-Out (IEEE 802.3at+) | ✓ | ✓ | ✓ |
| PoE-Out | ET#2: 26W, 802.3at ET#3: 13W, 802.3af | ✓ (SFP) | ✓ | - |
| Environmental | Operating Temperature: -22°F + 131°F (-30°C + 55°C); Optional -49°F - 131°F (-45°C + 55°C) Ingress Protection Rating: IP65 (optional IP67) | ✓ | ✓ | ✓ |
| Dimensions (HxWxD) | 7.5 x 5.2 x 3.5 in | ✓ | ✓ | ✓ |
| Weight | 3 lbs. (including mounting kit) | ✓ | ✓ | ✓ |

⁽¹⁾ Line throughputs are provided for reference only and are not guaranteed.



MetroLinq™ 10G Tri-Band Omni

Cloud-Enabled Outdoor
60 + 5 + 2.4 GHz base-station

igniteNet™'s MetroLinq™ 10G Tri-band Omni is the world's first cost-effective 60GHz + 5GHz + 2.4GHz PTMP base station enabling high performance, interference-free connections worldwide up to 10Gbps. With a total OTA capacity of 16.393Gbps, the MetroLinq™ 10G is the first AP capable of providing fiber-like connections to many clients simultaneously. It also has an added advantage of being license-free in most markets, allowing ultra-fast deployment and without the hassle of other frequency bands. The MetroLinq™ 10G also includes both 2.4 & 5GHz 802.11ac Wave 2 radios which can be used to provide access in harder to reach nLOS applications ranging from hotspots to fixed broadband and many more.

Inteference-Free & Unlicensed Band

The igniteNet™ MetroLinq™ 10G offers unprecedented performance - combining both the benefits of unlicensed band operation with no interference!

Tri Band 60GHz + 5GHz + 2.4 GHz Operation

The MetroLinq™ 10G includes both additional 2.4 & 5GHz radios which can be to provide both supplemental connectivity to hard to reach places as well as carrier offload, hotspot, and mobile roaming capabilities.

Powerful, Flexible Configuration

The MetroLinq™ 10G can operate either as a stand-alone device or as a coordinated, cloud-managed device, easily meeting the requirements of any installation.

Robust Weather-Resistant Design

The MetroLinq™ 10G features a hybrid metal/plastic design built to withstand the harshest environments including precipitation, hot/cold weather and high/low humidities.

Client Options (Sold Separately)



MetroLinq 60-35/ 2.5G 60-35
60GHz + 5GHz
up to 700m (0.43 mi)



MetroLinq 60-19/ 2.5G 60-19
60GHz + 5GHz
up to 400m (0.25 mi)



MetroLinq LW
60GHz + 5GHz + 2.4GHz
up to 150m (0.1 mi)



MetroLinq 5
5GHz
up to 2000m (1.24 mi)

Features

HARDWARE FEATURES

- › 1x 1Gbps Base-T Ethernet Port (PoE IN)
- › 1x SFP+ (10Gbps) Port
- › 1x Screw Terminal Block (Power IN)
- › Dual flash image support

ANTENNAS

- › 3 x 17dBi (60GHz) 120°
- › 4 x 12dBi (5GHz) 90°
- › 4 x 9dBi (2.4GHz) 90°

LEDs

- › Power, 60GHz, 5GHz, 2.4GHz, SFP

DIMENSIONS (L X W X H)

- › 217.4 x 179.5 x 455.3mm
(8.6 x 7.1 x 17.9in)

WEIGHT

- › 4,060 g (8.95 lb)

POWER

- › 48V Passive PoE IN or DC

REGULATORY / STANDARDS COMPLIANCE

- › FCC/IC
- › CE

RANGE

- › Up to 150m (0.1mi) (Omni to Omni or ML LW, location dependent)
- › Up to 400m (0.25mi) (19cm to Omni, location dependent)
- › Up to 700m (0.43mi) (35cm to Omni, location dependent)
- › Up to 2000m (1.24mi) (Omni to ML 5, location dependent)

RF PERFORMANCE (TX)

- › 60GHz: 14dBm @ 4.62Gbps (x3)
- › 5GHz: 31dBm@6Mbps, 24dBm@1.733Gbps
- › 2.4GHz: 31dBm@6Mbps, 26dBm@0.8Gbps

RF PERFORMANCE (RX)

- › 60GHz: -74dBm @MCS1; -60dBm @ MCS9
- › 5GHz: -90dBm @MCS0; -60dBm @ MCS9
- › 2.4GHz: -90dBm @MCS0; -64dBm @ MCS9

OPERATING ENVIRONMENT

- › Operating Temperature: -30C° to 50C° (-22 to 122F)
- › Store Temperature: -40C° to 70C° (-40 to 158F)
- › Operating Humidity: 10 to 90% non-condensing (RH)

KEY FEATURES

- › Management VLAN support and VLAN pass-through
- › Supports Service Provider and Enterprise type networks
- › Stand-alone or Cloud-controlled operating modes
- › Base Station mode and up to 96 endpoints (24 endpoints at launch - 60GHz)
- › Link failover/backup (60GHz + 5GHz) Per Client
- › 128bit AES Encryption (standard; 2.4GHz, 5GHz, and 60GHz)
- › SNMP Monitoring with Private MIB

APPLICATIONS

- › Fixed Wireless Access (broadband)
- › 3G/4G Backhaul
- › Metro WiFi
- › Campus Interconnection
- › Hybrid Fiber/Wireless Networks

Ordering Information

| Part Number | Description |
|------------------|--|
| ML-60-10G-360-XX | Cloud-Enabled Outdoor 60GHz PTMP + 5GHz + 2.4GHz |

**XX is used to denote localization (US, EU, AU, CN)



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20 Mason
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SWITCHING + WIFI MANAGEMENT



data sheet

BENEFITS

Highly scalable with n + 1 clustering

Supporting up to 1,024 APs and 25,000 clients per device, the SmartZone™ 100 easily serves the largest deployments. SmartZone™ 100 can cluster up to 4 units (3+1) thereby supporting up to 3,000 APs and 60,000 clients

Ultra high performance and resiliency

With clustering for resiliency and up to 10 GE throughput, control/management and data are set-up to be delivered separately through dedicated redundant ports ensuring optimal performance

Granular and flexible cloud-based licensing

Cloud based licensing ensures simple set-up with granular, per AP licensing as opposed to tiered licensing schemes forcing users to pay for unnecessary extra costs. Licensing can be transferred to similar platforms

Data persistence across reboot for reporting

SmartZone™ 100 stores up to 30 days of network and client data on an integrated drive that keeps all data even on reboot

IT lite deployment in 5 minutes, simple to use and manage

Web-based configuration wizard configures an entire WLAN in minutes. ZoneFlex APs auto-discover the SmartZone™ 100

Advanced WLAN features and functions

Advanced wireless networking features include rogue AP detection, interference detection and mitigation, band steering, airtime fairness, role-based user policies, per-user rate-limiting, hotspot and guest networking services

Smart Meshing streamlines costly and complex deployment

Integrated Ruckus Smart Mesh Networking technology automates deployment and eliminates the need to run Ethernet cable to every Smart Wi-Fi access point

SmartZone™ 100

SCALABLE MEDIUM TO LARGE SIZE ENTERPRISE CLASS SMART WLAN CONTROLLER

The Most Affordable, Scalable, Resilient, and Highest Performing Wireless LAN controller in its class

The Ruckus Wireless SmartZone™ 100 (SZ 100) uniquely combines power, simplicity and scalability into an affordable system.

Supporting up to 25,000 clients and 2,000 WLANs per device, the SZ 100 manages up to 1,024 ZoneFlex Smart Wi-Fi access points from a single location clustering up to 3,000 APs and 60,000 clients.

Unlike conventional wireless LAN systems that are costly, complex and cumbersome to deploy, the SZ 100 is designed for simplicity and ease of use. It's ideal for any medium to large-scale enterprise requiring a high-performance, reliable, and scalable wireless LAN that can be easily deployed and managed.

The SZ 100 integrates an operating system platform that delivers advanced features such as smart wireless meshing, high availability, hot spot authentication, guest networking and dynamic Wi-Fi security. Licensing can be ported to similar platforms, is granularity scalable per AP, and is cloud based requiring no license installation.

The SZ 100 easily integrates with network, security and authentication infrastructure already in place and is easily configured through a point-and-click web wizard. Ruckus ZoneFlex APs automatically discover and are configured by the SmartZone™ 100.

Redundant and secure, the SZ 100 provides WLAN-wide network, security, RF and location management within a single, easy-to-use and affordable WLAN system.

SmartZone™ 100

SCALABLE ENTERPRISE CLASS SMART WLAN CONTROLLER

Simple to Deploy

The Ruckus SmartZone™ 100 integrates easily with existing switches, firewalls, authentication servers and other network infrastructure. All Ruckus ZoneFlex APs (wired or meshed) then automatically discover the Ruckus SmartZone™ 100, self configure and become instantly manageable.

Simple to Manage

Once up and running the SmartZone™ 100 automatically manages the ZoneFlex network of APs. With a single view into the cluster, when used as such, the SZ 100 has a per user customized dashboard, integrated Google maps, and simplified menus with a single zone and domain to reduce workflow complexity. Additionally, the SZ 100 has a 30 day reporting archive with data persistence even across reboot, and reports can be exporting to CSV, PNG, JPEG, PDF or SVG formats.

Mitigate Interference, Maximize Performance and Extend Reach with BeamFlex+

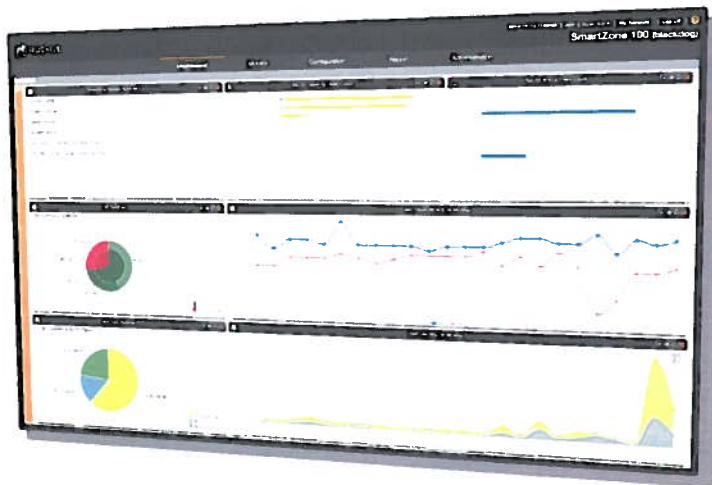
Ruckus BeamFlex+™, a patented adaptive antenna technology, ensures predictable performance for multimedia traffic applications and handheld devices which are constantly in motion.

The SmartZone™ 100 automatically controls the channel assignments of all ZoneFlex Smart Wi-Fi APs. And with BeamFlex, the ZoneFlex system continuously picks the best path for every packet, to both clients outside the network and mesh APs inside the network, automatically mitigating interference, to guarantee the highest quality of service.

Smart Mesh Networking Increases Flexibility, Reduces Costs

Ruckus Smart Mesh Networking enables self-organizing and self-healing WLAN deployment. It eliminates the need to run Ethernet cables to every AP, allowing administrators to simply plug in ZoneFlex APs to any power source and walk away. All configuration and management is delivered through the SmartZone™ 100 Smart WLAN controller. APs can also be daisy-chained to mesh APs to extend the mesh and take advantage of spatial reuse.

Below: The SmartZone 100 per user customizable dashboard



SmartZone™ 100

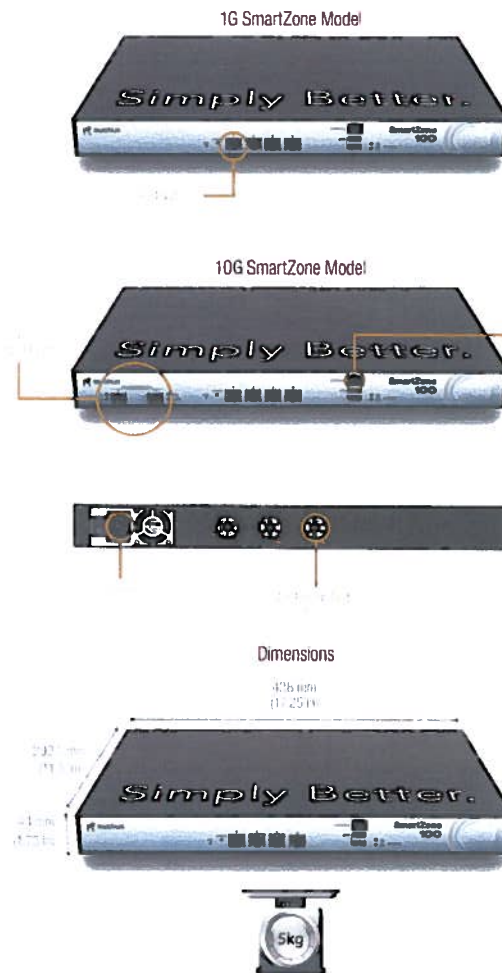
SCALABLE ENTERPRISE CLASS SMART WLAN CONTROLLER

HARDWARE FEATURES

- 1RU rack-mountable chassis footprint
- Redundant fans
- Easy discovery from PC using UPnP
- One year warranty coverage

SOFTWARE FEATURES

- Simplified, intuitive GUI
- Installation Wizard
- Ruckus SPoT LBS Location support
- WIDS/WIPS (Rogue AP Detection/Prevention)
- Bonjour Gateway (at AP)
- Capacity-based client admission control
- Band Balancing
- Internal Captive Portal (Radius, AD, LDAP, Local DB)
- AP Survivability for Guest, Captive Portal
- Zero-IT (using 802.1x)
- WLAN Time Scheduling
- User Roles
- Device Policy Control
- Per WLAN ACL Support (L2 white/black list, L3, L4)
- Multi-hop SpeedFlex for mesh testing
- Force DHCP
- ZoneFlex AP discovery
- Restful/JSON API



Specifications

| PHYSICAL CHARACTERISTICS | |
|---------------------------------|--|
| POWER | • AC input requirements: 250 Watts |
| PHYSICAL SIZE | • 1RU: 438 MM (W) x 292.1 MM (D) x 44 MM (H); 17.25"(W) x 11.5"(D) x 1.73"(H) |
| WEIGHT | • 11.02 lbs (5 kilograms) |
| ETHERNET PORTS | • 1GE Model: 4 Gigabit Ethernet ports • 10GE Model: 2 x 10Gigabit Ethernet ports and 4 Gigabit Ethernet Ports |
| ENVIRONMENTAL CONDITIONS | • Operating Temperature: 32°F (0°C) – 104°F (40°C) |

| CAPACITY | |
|----------------------------|--|
| MANAGED APs | • Up to 1,024 • With cluster: 3,000 |
| WLANS (BSSIDs) | • 2,000 • With cluster: 6,000 |
| CONCURRENT STATIONS | • Up to 25,000 • With cluster: 60,000 |

| APPLICATIONS | |
|-----------------------|--|
| HOTSPOT | • WISPr, Wi-Fi CERTIFIED, Passpoint™ |
| GUEST ACCESS | • Supported |
| CAPTIVE PORTAL | • Supported |
| MESH | • Supported |
| VOICE | • 802.11e/WMM • U-APSD • Tunneling to AP |

| NETWORK ARCHITECTURE | |
|----------------------|--------------------------|
| IP | • IPv4, dual-stack |
| VLANs | • 4,000 |
| REDUNDANCY | • 3+1 cluster redundancy |
| DCHP SERVER | • Supported |

| MANAGEMENT | |
|----------------------------|--|
| CONFIGURATION | • Web user interface, CLI, SNMP v1, v2, v3 |
| AAA | • RADIUS (primary and backup) |
| AP PROVISIONING | • L3 or L2 auto-discovery • Auto-software upgrade • Automatic channel optimization |
| CLIENT PROVISIONING | • Zero-IT (using 802.11k) • Auto proxy configuration |
| ANALYTICS | • SmartCell Insight allows for custom report generation with up to seven years of network data • 30 days local storage for built in reporting |

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| SECURITY | |
|---|---|
| STANDARDS | • WPA, WPA2, 802.11i |
| ENCRYPTION | • TKIP, AES |
| AUTHENTICATION | • 802.1x, MAC address |
| USER DATABASE | • Internal database up to 25,000 users • External: RADIUS, LDAP, Active Directory |
| ACCESS CONTROL | • L2 (MAC address-based) • L3/4 (IP and Protocol based) • L2 client isolation • Management interface access control • Time-based WLANS • Device type access policies |
| WIRELESS INTRUSION DETECTION (WIDS/WIPS) | • Rogue AP detection / prevention • Evil-twin/AP spoofing detection • Ad hoc detection |

| MULTIMEDIA AND QUALITY OF SERVICE | |
|-----------------------------------|---|
| 802.11e/WMM | • Supported |
| SOFTWARE QUEUES | • Per traffic type (4), per client |
| TRAFFIC CLASSIFICATION | • Automatic, heuristics and TOS based or VLAN-defined |
| RATE LIMITING | • Supported |
| WLAN PRIORITIZATION | • Supported |
| CLIENT LOAD BALANCING | • Automatic |

| CERTIFICATIONS | |
|------------------------|---|
| CERTIFICATIONS* | • U.S., Canada, EU, China, Japan, Taiwan, Korea |

*Please see price list for latest country certifications

Product Ordering Information

| MODEL | DESCRIPTION |
|-----------------------|---|
| SmartZone™ 100 | Smart WLAN Controllers |
| P01-S104-XX00 | SZ 100 – 4xGE Ports |
| P01-S124-XX00 | SZ 100 – 2x10GE & 4xGE Ports |
| L09-0001-SG00 | 1 AP license for SZ 100 to manage APs |
| L09-0001-RXGW | Soft GRE tunnel license from AP to 3rd party concentrator |
| 902-0190-0000 | 10GBASE-SR SFP+ Optical transceiver module |

PLEASE NOTE: When ordering SmartZone™ 100, you must specify the destination region by indicating -US, -EU, -CN, -IN, -JP, -FR, -SA, -UK or -UN instead of -XX.



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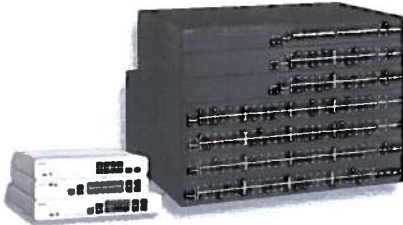
SWITCHING EQUIPMENT

Ruckus ICX 7150

Enterprise-Class Stackable Access Switch



DATA SHEET



BENEFITS

STACKABILITY SIMPLIFIES MANAGEMENT

- Class-leading stacking scalability with up to 12 switches per stack
- Long-distance stacking up to 10 km using standard optics or cables

10 GbE PORTS OPTIMIZE NETWORK PERFORMANCE

- Up to 8x10 GbE SFP+ ports for stacking or uplinks

DUAL POWER SUPPLIES FOR HIGH AVAILABILITY

- Dual load-sharing, hot-swappable power supplies available on the Z-Series switch

MULTIGIGABIT SUPPORT ENABLES NEXT GENERATION WIRELESS DEPLOYMENT

- Up to 16x 2.5 and 2x 2.5/5/10 GbE ports optimized for Wi-Fi 5 and 6 deployment

CLASS LEADING POE BUDGET TO POWER ADVANCED EDGE DEVICES

- PoE+/PoH/802.3bt budget (up to 1,480 watts)¹
- Support advanced wireless APs and video surveillance equipment

SILENT OPERATION FOR DEPLOYMENT IN THE WORK ENVIRONMENT

- Fanless design or fanless mode enables silent non-disruptive deployment anywhere

ADVANCED L3 MAXIMIZES FLEXIBILITY

- OSPF, VRRP, PIM, PBR L3 features

CAMPUS FABRIC REDUCES COST OF OPERATIONS, INCREASES FLEXIBILITY

- Ruckus Campus Fabric delivers the benefits of a chassis with the flexibility of stackables
- Scales to over 1800 ports

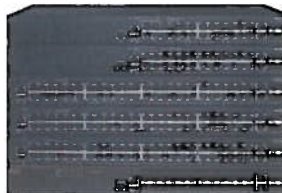
¹ Up to 90W per port, IEEE 802.3bt standard pending ratification. Compatible with uPoE.

ENTRY-LEVEL ACCESS SWITCH SERIES DELIVERS UNPRECEDENTED PERFORMANCE AND FEATURES IN ITS CLASS

The Ruckus ICX 7150 series of stackable switches delivers the performance, flexibility, and scalability required for enterprise access deployment, raising the bar with non-blocking performance and up to 8x10 GbE ports for uplinks or stacking. It offers seamless interoperability with Ruckus wireless products to deliver unified wired and wireless network access. In addition, Ruckus Multigigabit Ethernet technology offers bandwidth speeds needed to optimize performance of the latest generation high performance wireless access points and edge devices, over standard Ethernet cables.

The Ruckus ICX 7150 series of switches are available in three formats:

RUCKUS ICX 7150 SWITCHES



The standard Ruckus ICX 7150 switches are available in 24-, and 48-port 10/100/1000 Mbps models with four 1/10 GbE dual-purpose uplink/stacking ports. These switches are available with or without PoE+ power. Silent operation is available for out-of-closet environments.

RUCKUS ICX 7150 Z-SERIES SWITCH



The Ruckus ICX 7150-48ZP 48-port switch adds higher performance, greater resiliency and increased PoE power. The switch offers Multigigabit technology (IEEE 802.3bz) to match the highest performing 802.11ac Wave 2 wireless access points available, with dual redundant, hot-swappable power supplies and fans, and up to 8x10 GbE uplink/stacking ports.

The switch offers 16 Multigigabit (100Mbps/1Gbps/2.5Gbps) ports, each with Power-over-HDBaseT (PoH) up to 90 watts and 802.3bt ready, plus 32 10/100/1000 Mbps ports with PoE+. With a maximum PoE budget of 1480 watts, this switch delivers the power, and performance, to drive PoE+ power to all 48 ports.

RUCKUS ICX 7150 COMPACT SWITCHES



The Ruckus ICX 7150 compact switches come in 8, 10 and 12 ports models and feature a fanless design to operate silently in out-of-closet environments such as offices, classrooms, and retail spaces. They offer PoE on all ports. The ICX 7150-C10ZP delivers up to 90W per port of PoE power and multigigabit Ethernet at 2.5/5/10 Gbps speeds. With 2x1/10 GbE uplink/stacking ports, the ICX 7150-C12P and C10ZP deliver high performance in a small package.

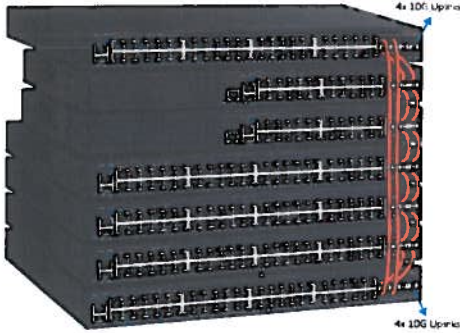


Figure 1: Up to 12 Ruckus ICX 7150 Switches can be stacked together using up to four SFP+ 10 Gbps ports per switch for a fully redundant backplane delivering 480 Gbps of aggregated stacking bandwidth.

STACKING ACROSS THE ICX 7150 SERIES

Ruckus stacking technology makes it possible to stack up to twelve Ruckus ICX 7150 switches into a single logical switch. This allows the Ruckus ICX 7150 to deliver a class-leading 480 Gbps of aggregated stacking bandwidth and offer simple and robust expandability for future growth. Stacking is supported across the ICX 7150 series and all ICX 7150 models including the ICX 7150 compact switches and the ICX 7150-48ZP can be mixed within the same stack. This stacked switch has only a single IP address that simplifies management and offers transparent forwarding across up to 600x1 GbE ports or up to 192x2.5 GbE ports, and up to 96x10 GbE ports. When new switches join the stack, they automatically inherit the stack's existing configuration file, enabling a plug-and-play network expansion.

Because the ICX 7150-48ZP switch has twice as many uplink ports, when it is added to a stack of other ICX 7150 switch models, the effective bandwidth of all the switches is doubled. By designing the stack this way, all four of the 10GbE ports on the ICX 7150 switches can be used for stacking (rather than having to split the four ports between stacking and uplinks), and leveraging four of the 10GbE ports on the ICX 7150-48ZP for stacking and the other four 10GbE ports can be used for uplinks.

ENTERPRISE-CLASS AVAILABILITY

The Ruckus ICX 7150 Switches help deliver continuous availability to optimize the user experience. Ruckus stacking technology provides high availability by performing real-time state synchronization across the stack and transferring switch management control from the master stack controller to the standby controller if the master stack controller experiences a failure. When hot-inserting or hot-removing a stack member to increase capacity or perform service upgrade, traffic flows will not experience interruption.

In addition to stack-level high availability, Ruckus ICX 7150 Switches also support stack level ISSU (In Service Software Upgrade), a unique capability that allows the user to perform software upgrades to a Ruckus ICX 7150 stack without service interruption. Taking high-availability and reliability even further, the Ruckus ICX 7150 Z-Series switch offers redundant hot swappable load sharing power supplies and up to 2 hot swappable fans.

¹ Up to 90W per port, IEEE 802.3bt support pending software update. Compatible with uPoE.

SILENT OPERATION

The Ruckus ICX 7150 compact switches, along with the Ruckus ICX 7150-24 and the ICX 7150-48 switches, feature a fanless design that enables it to operate silently.

The Ruckus ICX 7150-24P and the ICX 7150-48P offer a "silent mode" configuration option, enabling these switches to operate with the fan disabled while providing a PoE budget of 150 watts. This Ruckus-exclusive feature enables users in hospitality, education, healthcare, and retail industries to deploy these switches outside of the wiring closet without disrupting the work environment.

MULTIGIGABIT ETHERNET SUPPORT

The Ruckus ICX[®] 7150-48ZP Switch raises the bar for entry-level switches even further with 16x IEEE 802.3bz compliant 2.5 GbE ports, up to 8x10 GbE uplink ports, dual redundant load sharing power supplies and class-leading stacking density with up to 12 switches per stack. The ICX 7150-C10ZP delivers multigigabit speeds in a compact form factor with support for 2.5/5 and 10 Gbps. Both switches stack with all other members of the ICX 7150 series allowing organizations to buy what they need now and easily scale as the need for Multigigabit support emerges. It is designed to work seamlessly with Ruckus wireless access points to deliver unified wired and wireless network access.

COST EFFECTIVE FIBER SWITCHING SOLUTION

The Ruckus ICX 7150-24F fiber switch delivers 24 SFP 1GbE fiber ports for fiber-to-the room deployment scenarios when fiber ports are needed at the edge of the network. It offers 4x10GbE SFP+ for uplink or stacking with the rest of the ICX 7150 series.







With the ICX 7150-24F, Ruckus offers a complete set of fiber switching and routing solutions for every budget from high-end core and aggregation to entry-level access switching.


POWER NEXT-GENERATION EDGE DEVICES




All ICX 7150 series members offer PoE options. The compact 12 port switch delivers PoE+ on all ports with a 124W PoE budget. The 24- and 48-port ICX 7150 switches offer up to 740W of PoE+ power and the ICX 7150 Z-Series offers an industry leading 1480W PoE budget when equipped with 2 power supplies. In addition to supporting PoE and PoE+, the Ruckus ICX 7150 Z-Series also offers Power over HDBaseT (PoH) and is 802.3bt ready.¹ This new, high power standard delivers up to 90 watts per port through a standard Ethernet cable, simplifying the wiring of next-generation Ethernet-connected devices such as high-performance wireless APs, large HD displays, video surveillance equipment, and VDI thin terminals, enabling data and power to be carried by a single Ethernet wire. The PoE, PoE+ and PoH capabilities reduce the number of required power receptacles and power adapters while increasing reliability and wiring flexibility.

With a 1,480-watt power budget per switch (with two power supplies), the Ruckus ICX 7150 48ZP model can supply Class 4 PoE+ power (30 watts) to every port and PoH 802.3bt ready power (90 watts) on 16 dedicated Multigigabit ports.

RUCKUS ICX 7150 PRODUCT SERIES

| RUCKUS ICX 7150 | | |
|---|------------------------------------|---|
| <p>These Ruckus ICX 7150 models offer a single integrated power supply, one RJ-45 Ethernet port for out-of-band network management, one USB Type-C port for console management, one RJ-45 port for serial console management, and one USB port for external file storage.</p> | | |
|  | Ruckus ICX 7150-24 Switch | <ul style="list-style-type: none"> 24x 10/100/1000 Mbps RJ-45 ports 2x 10/100/1000 Mbps uplink RJ-45 ports 4x 1/10 GbE uplink/stacking SFP/SFP+ ports |
|  | Ruckus ICX 7150-24P Switch | <ul style="list-style-type: none"> 24x 10/100/1000 Mbps RJ-45 PoE+ ports 370 W PoE budget 2x 10/100/1000 Mbps uplink RJ-45 ports 4x 1/10 GbE uplink/stacking SFP/SFP+ ports |
|  | Ruckus ICX 7150-48 Switch | <ul style="list-style-type: none"> 48x 10/100/1000 Mbps RJ-45 ports 2x 10/100/1000 Mbps uplink RJ-45 ports 4x 1/10 GbE uplink/stacking SFP/SFP+ ports |
|  | Ruckus ICX 7150-48P Switch | <ul style="list-style-type: none"> 48x 10/100/1000 Mbps RJ-45 PoE+ ports 370 W PoE budget 2x 10/100/1000 Mbps uplink RJ-45 ports 4x 1/10 GbE uplink/stacking SFP/SFP+ ports |
|  | Ruckus ICX 7150-48PF Switch | <ul style="list-style-type: none"> 48x 10/100/1000 Mbps RJ-45 PoE+ ports 740 W PoE budget 2x 10/100/1000 Mbps uplink RJ-45 ports 4x 1/10 GbE uplink/stacking SFP/SFP+ ports |
|  | Ruckus ICX 7150-24F Switch | <ul style="list-style-type: none"> 24x 10/100/1000 Mbps SFP ports 2x 10/100/1000 Mbps uplink RJ-45 ports 4x 1/10 GbE uplink/stacking SFP/SFP+ ports |

| RUCKUS ICX 7150 Z-SERIES | | |
|--|-----------------------------|--|
| <p>The Ruckus ICX 7150 Z-Series Switch offers redundant hot-swappable load sharing power supplies, up to 2 hot-swappable fans, one RJ-45 Ethernet port for out-of-band network management, one USB Type-C port for console management, one RJ-45 port for serial console management, and one USB port for external file storage.</p> | | |
|  | Ruckus ICX 7150-48ZP | <ul style="list-style-type: none"> 16x 100/1000 Mbps/2.5 Gbps RJ-45 PoH, 802.3bt ready ports¹ 32x 10/100/1000 Mbps RJ-45 PoE+ ports 1,480 W PoE budget (with two power supplies) 8x 1/10 GbE uplink/stacking SFP/SFP+ ports |

| RUCKUS ICX 7150 COMPACT SWITCHES | | |
|---|---|--|
| <p>The Ruckus ICX 7150 compact switches offer a single integrated power supply, one RJ-45 Ethernet port for out-of-band network management, one USB Type-C port for console management, one RJ-45 port for serial console management, and one USB port for external file storage.</p> | | |
|  | Ruckus ICX 7150-C10ZP Compact Switch | <ul style="list-style-type: none"> 10x RJ-45 multigigabit ports, including 8x 2.5 GbE ports and 2x 2.5/5/10 GbE ports 2x 1/10 GbE uplink/stacking SFP/SFP+ ports 240W PoE budget. Delivers up to 90W per port on 4 PoH 802.3bt ready ports. Fanless |
|  | Ruckus ICX 7150-C12P Compact Switch | <ul style="list-style-type: none"> 12x 10/100/1000 Mbps POE+ RJ-45 ports 124 W PoE budget. Fanless 2x 10/100/1000 Mbps uplink RJ-45 ports 2x 1/10 GbE uplink/stacking SFP/SFP+ ports |
|  | Ruckus ICX 7150-C08P Compact Switch | <ul style="list-style-type: none"> 8x 10/100/1000 Mbps POE+ RJ-45 ports 2x 1GbE SFP uplink ports 62W PoE power budget. Fanless |

¹ Up to 90W per port, IEEE 802.3bt support pending software update. Compatible with uPoE. ² Not supported on the ICX 7150-C08P model.

ENTERPRISE-CLASS FEATURES ACROSS RUCKUS ICX SWITCHES

The Ruckus ICX switch family delivers the enterprise class features for flexibility, scalability and simplified management.

- Ruckus Campus Fabric* technology delivers unmatched flexibility, scalability and simplified management for campus network deployments. Incorporating all of the ICX 7000 switch families with up to 1800 ports in a single logical domain, Campus Fabric allows customers the benefits of a traditional chassis, with the flexibility of stackable switches at a dramatically reduced Total Cost of Ownership (TCO).
- Advanced stacking* goes beyond traditional stacking with capabilities that take flexibility, ease of management and cost effectiveness to then next level, including:
 - Stacking on standard Ethernet ports
 - Long distance stacking
 - No hardware module required for stacking
 - In Service Software Upgrade (ISSU) to minimize downtime
 - Superior scalability with the industry-leading number of switches per stack
 - Stacking at the access, aggregation and core layers
- Enterprise-Class Availability to improve resiliency and minimize downtime, including:
 - Hitless stack failover
 - Hot-insertion/removal of stack members
 - Redundant power supplies
 - In Service Software Upgrades for switch stacks
- Unified wired and wireless network management with Ruckus SmartZone network controller:
 - Ruckus SmartZone centralizes management of the entire family of Ruckus switches and wireless Access Points with a single easy to deploy management platform
 - Discovers, monitor, and deploys configurations to groups of switches and wireless APs
- On-boarding and security policies across ICX switches and wireless networks
- OpenFlow 1.3 protocol* support in hybrid mode allows user to deploy traditional Layer 2/3 forwarding with OpenFlow on the same port for Software Defined Network (SDN) enabled programmatic control of the network
- Open Standards based management, monitoring and authentication
 - sFlow-based network monitoring to help analyze traffic statistics and trends on every link and overcome unexpected network congestion
 - Open-standards management includes Command Line Interface (CLI), Secure Shell (SSHv2), Secure Copy (SCP), and SNMPv3
 - Support for Access Controller Access Control System (TACACS/TACACS+) and RADIUS authentication helps ensure secure operator access
 - LLDP and LLDP-MED protocol support for configuring, discovering, and managing network infrastructure such as QoS, security policies, VLAN assignments, PoE power levels, and service priorities

* The ICX 7150 C08P does not support stacking, campus fabric and OpenFlow.

Ruckus ICX 7150

Enterprise-Class Stackable Access Switch

DATA SHEET

RUCKUS ICX 7150 FEATURE/MODEL COMPARISON

| FEATURE | 8, 10, 12 RJ-45 Ports compact Switches | | | 24 or 48 RJ-45 Ports | | 24 SFP Ports | 24 or 48 RJ45 PoE+ Ports | | | Z-Series |
|---|--|---------------------------|-----------------------|----------------------|---------------------|---------------------|--------------------------|---------------------|----------------------|----------------------|
| | Ruckus ICX 7150-C08P | Ruckus ICX 7150-C12P | Ruckus ICX 7150-C102P | Ruckus ICX 7150-24 | Ruckus ICX 7150-48 | Ruckus ICX 7150-24F | Ruckus ICX 7150-24P | Ruckus ICX 7150-48P | Ruckus ICX 7150-48PF | Ruckus ICX 7150-482P |
| Switching capacity (data rate, full duplex) | 20 Gbps | 68 Gbps | 120 Gbps | 132 Gbps | 180 Gbps | 132 Gbps | 132 Gbps | 180 Gbps | 180 Gbps | 304 Gbps |
| Forwarding capacity (data rate, full duplex) | 14.88 Mpps | 51 Mpps | 89 Mpps | 98 Mpps | 134 Mpps | 98 Mpps | 98 Mpps | 134 Mpps | 134 Mpps | 226 Mpps |
| 10/100/1000 Mbps RJ45 downlinks | 8 | 12 | | 24 | 48 | | 24 | 48 | 48 | 32 |
| 100/1000 Mbps SFP downlinks | | | | | | 24 | | | | |
| 100/1000 Mbps/2.5 Gbps RJ45 downlinks (full duplex only) | | | 8 | | | | | | | 16 |
| 100/1000 Mbps/2.5/5/10 Gbps RJ45 downlinks (full duplex only) | | | 2 | | | | | | | |
| 10/100/1000 Mbps RJ45 uplinks (full duplex only, no PoE) | | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | |
| 1/10 Gbps SFP/SFP+ uplinks | 2 SFPs at 1 Gbps only | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 8 |
| PoE/PoE+ ports | 8 | 12 | 6 | | | | 24 | 48 | 48 | 32 |
| PoH / PoE / PoE+ 802.3bt ready ports ¹ | | | 4 | | | | | | | 16 |
| Dual hot-swap power supplies | | | | | | | | | | Yes |
| Maximum PoE Class 3 ports (15.4 W per port) | 4 | 8 | 10 | | | | 24 | 24 | 48 | 48 |
| Maximum PoE+ Class 4 ports (30 W per port) | 2 | 4 | 8 | | | | 12 | 12 | 24 | 48 (2 PSU) |
| Energy Efficient Ethernet (802.3az) | | | Yes | Yes | Yes | | Yes | Yes | Yes | Yes |
| Base IPv4/v6 Layer 3 routing (static, routing, RIP) | No L3 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Advanced IPv4/v6 Layer 3 routing (OSPF, BGP, PIM, PBR) (required) | No L3 | With license | With license | With license | With license | With license | With license | With license | With license | With license |
| Aggregated stacking bandwidth (data rate, full duplex) | No Stacking | 240 Gbps | 240 Gbps | 480 Gbps | 480 Gbps | 480 Gbps | 480 Gbps | 480 Gbps | 480 Gbps | 480 Gbps |
| Stacking density (maximum switches in a stack) | No Stacking | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Stacking ports (maximum ports usable for stacking) | No Stacking | Up to 2x10 GbE SFP+ | | | Up to 4x10 GbE SFP+ | | | | | |
| Maximum stacking distance (maximum distance between stacked switches) | No Stacking | 10 km | 10 km | 10 km | 10 km | 10 km | 10 km | 10 km | 10 km | 10 km |
| Campus Fabric | No Fabric | Fabric Port Extender (PE) | | | | | | | | |

¹ Up to 90W per port. IEEE 802.3bt support pending software update. Compatible with uPoE.

² 10 Gbps SFP+ ports are required for stacking.

³ Supported in a future software release.

Ruckus ICX 7150

Enterprise-Class Stackable Access Switch

DATA SHEET

RUCKUS ICX 7150 FEATURE/MODEL COMPARISON

| | 8, 10, 12 RJ-45 Ports compact Switches | | | 24 or 48 RJ-45 Ports | | 24 SFP Ports | 24 or 48 RJ45 PoE+ Ports | | | Z-Series | |
|---|--|--------------------------------|------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------------|
| | Ruckus ICX 7150-C08P | Ruckus ICX 7150-C12P | Ruckus ICX 7150-C102P | Ruckus ICX 7150-24 | Ruckus ICX 7150-48 | Ruckus ICX 7150-24F | Ruckus ICX 7150-24P | Ruckus ICX 7150-48P | Ruckus ICX 7150-48PF | Ruckus ICX 7150-48ZP | |
| FEATURE | POWER | | | | | | | | | | |
| Power inlet (AC) | C14 | | | | | | | | | | |
| Input voltage/frequency | AC: 100 to 240 VAC @ 50 to 60 Hz | | | | | | | | | | |
| Power supply rated maximum (AC) | 150W | 150 W | 300W | 36 W | 65 W | 100W | 525 W | 525 W | 880 W | 2x 920W | |
| PoE power budget (AC) | 62W | 124 W | 240W | | | | 370 W | 370 W | 740 W | 1480 W (2 PSU) | |
| Switch power consumption (25°C) | | | | | | | | | | | |
| Idle (no PoE load) | 13W | 20 W | 27 W | 14 W | 24 W | 17 W | 32 W | 47 W | 50 W | 89 W | |
| 10% traffic (full PoE load) | 79 W | 157 W | 242 W | 24 W | 38 W | 40 W | 455 W | 476 W | 869 W | 917 W | |
| 100% traffic (full PoE load) | 79 W | 157 W | 245 W | 24 W | 39 W | 46 W | 472 W | 491 W | 893 W | 932 W | |
| Airflow | Fanless | Fanless | Fanless | Fanless | Fanless | Side-to-back | Side-to-back | Side-to-back | Side-to-back | Front-to-back | |
| Switch heat dissipation (25°C) | | | | | | | | | | | |
| Idle (no PoE load) | 45 BTU/hr | 69 BTU/hr | 93 BTU/hr | 47 BTU/hr | 83 BTU/hr | 58 BTU/hr | 108 BTU/hr | 160 BTU/hr | 170 BTU/hr | 304 BTU/hr | |
| 10% traffic (full PoE load) | 50 BTU/hr | 78 BTU/hr | 128 BTU/hr | 81 BTU/hr | 131 BTU/hr | 135 BTU/hr | 137 BTU/hr | 196 BTU/hr | 299 BTU/hr | 433 BTU/hr | |
| 100% traffic (full PoE load) | 51 BTU/hr | 79 BTU/hr | 129 BTU/hr | 82 BTU/hr | 132 BTU/hr | 158 BTU/hr | 188 BTU/hr | 252 BTU/hr | 381 BTU/hr | 523 BTU/hr | |
| FEATURE | ENVIRONMENT | | | | | | | | | | |
| Net Weight (kg) | 1.93 | 2.58 | 3.57 | 3.8 | 4.82 | 3.6 | 4.93 | 6.17 | 6.28 | 6.61 | |
| Dimensions (mm) | 270 (W) 214 (D) 44 (H) | 269 (W) 213 (D) 43.4 (H) | 304 (W) 305 (D) 44 (H) | 440 (W) 280 (D) 43.65 (H) | 440 (W) 370 (D) 43.65 (H) | 440 (W) 370 (D) 43.65 (H) | 440 (W) 280 (D) 43.65 (H) | 440 (W) 370 (D) 43.65 (H) | 440 (W) 370 (D) 43.65 (H) | 440 (W) 370 (D) 43.65 (H) | 440 (W) 332 (D) 44 (H) |
| Acoustics (25°C, min fan speed) | Fanless | Fanless | Fanless | Fanless | Fanless | 33 dBA | 41.4 dBA | 41.8 dBA | 47.7 dBA | 52 dBA | |
| MTBF (25°C) | 594,384 hours | 562,889 hours | 529,625 hours | 871,931 hours | 714,420 hours | 541,966 hours | 397,428 hours | 335,853 hours | 312,241 hours | 104,626 hours | |
| FEATURE | MANAGEMENT PORTS | | | | | | | | | | |
| USB Type-C port (for console management) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| RJ45 serial port (for serial console management) | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| USB Type-A port (for external file storage) | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| RJ45 Ethernet port (for out-of-band network management) | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |

¹ ICX 7150-48ZP Switch includes one AC power supply and one fan.

² Traffic load on all ports connected with maximum possible PoE/PoE+ loads (if equipped).

³ PoE power not included in switch heat dissipation figures since the heat is not dissipated at the switch.

RUCKUS ICX 7150 SPECIFICATIONS

| FEATURES | SPECIFICATIONS |
|---------------------------------------|---|
| Connector options | <ul style="list-style-type: none"> 10/100/1000 Mbps RJ-45 1 Gbps SFP ports 1/10 Gbps SFP+ ports* Out-of-band Ethernet management: 10/100/1000 Mbps RJ-45* Console management: RJ45 serial port and USB Type-C port with serial communication device class support* File transfer: USB port, standard-A plug* For the latest information about supported optics, please visit www.ruckusnetworks.com/optics. |
| DRAM | <ul style="list-style-type: none"> 1 GB |
| NVRAM (Flash) | <ul style="list-style-type: none"> 2 GB |
| Packet buffer size | <ul style="list-style-type: none"> 8/10/12/24 port: 2 MB, 48 port: 4 MB |
| Maximum MAC addresses | <ul style="list-style-type: none"> 16,384 |
| Maximum VLANs | <ul style="list-style-type: none"> 4,095 |
| Maximum PVLANS | <ul style="list-style-type: none"> 32 |
| Maximum STP (spanning tree) instances | <ul style="list-style-type: none"> 254 |
| Maximum VEs | <ul style="list-style-type: none"> 128 |
| Maximum ARP entries | <ul style="list-style-type: none"> 4,094 |
| Maximum routes (in hardware) | <ul style="list-style-type: none"> 1,000 (IPv4), 1,000 (IPv6) Next hop address: 4,094 |
| Trunking | <ul style="list-style-type: none"> Maximum ports per trunk: 16 Maximum trunk groups: 128 |
| Maximum jumbo frame size | <ul style="list-style-type: none"> 9,216 bytes |
| QoS priority queues | <ul style="list-style-type: none"> 8 per port |
| Multicast groups | <ul style="list-style-type: none"> 3,072 (Layer 2) 2,048 (Layer 3) |
| Quality of Service (CoS) | <ul style="list-style-type: none"> ACL Mapping and Marking of ToS/DSCP (CoS) ACL Mapping and Marking of 802.1p ACL Mapping to Priority Queue Classifying and Limiting Flows Based on TCP Flags DiffServ Support Honoring DSCP and 802.1p (CoS) MAC Address Mapping to Priority Queue Priority Queue Management using Weighted Round Robin (WRR), Strict Priority (SP), and a combination of WRR and SP |
| Traffic management | <ul style="list-style-type: none"> ACL-based inbound rate limiting and traffic policies Broadcast, multicast, and unknown unicast rate limiting Inbound rate limiting per port Outbound rate limiting per port and per queue |

* Not supported on the ICX 7150-C08P model

RUCKUS ICX 7150 SPECIFICATIONS

| FEATURES | SPECIFICATIONS |
|-------------------|---|
| Security | <ul style="list-style-type: none"> • 802.1X authentication • MAC authentication • Flexible authentication • Web authentication • DHCP snooping • Dynamic ARP inspection • Neighbor Discovery (ND) Inspection • Bi-level Access Mode (Standard and EXEC Level) • EAP pass-through support • IEEE 802.1X username export in sFlow • Protection against Denial of Service (DoS) attacks • Authentication, Authorization, and Accounting (AAA) • MAC Address Locking MAC Port Security • Advanced Encryption Standard (AES) with SSHv2 • RADIUS/TACACS/TACACS+ • Secure Copy (SCP) • Secure Shell (SSHv2) • Protected Ports • Local Username/Password • Change of Authorization (CoA) RFC 5176 • Trusted Platform Module • RADSEC (RFC 6614) • Encrypted Syslog (RFC 5425) |
| SDN features | <ul style="list-style-type: none"> • OpenFlow v1.0 and v1.3 • OpenFlow with hybrid port mode • Operates with an OpenDayLight Controller |
| High availability | <ul style="list-style-type: none"> • Layer 3 VRRP/RRP-E protocol redundancy • Real-time state synchronization across the stack • Hitless failover and switchover from master to standby stack controller • Hot insertion and removal of stacked units • Layer 2 VSRP switch redundancy • In Service Software Update (ISSU) |

| FEATURES | FEATURE SETS |
|---|---|
| Layer 2 feature set | <ul style="list-style-type: none"> • 802.1s Multiple Spanning Tree • 802.1x Authentication • Auto MDI/MDIX • BPDU Guard, Root Guard • Dual-Mode VLANs • MAC-based VLANs, Dynamic MAC-based VLAN activation • Dynamic VLAN Assignment • Dynamic Voice VLAN Assignment • Fast Port Span • GVRP: GARP VLAN Registration Protocol • IGMP Snooping (v1/v2/v3) • IGMP Proxy for Static Groups • IGMP v2/v3 Fast Leave • Inter-Packet Gap (IPG) adjustment • Link Fault Signaling (LFS) • MAC Address Filtering • MAC Learning Disable • MLD Snooping (v1/v2) • Multi-device Authentication • Per-VLAN Spanning Tree (PVST/PVST+/PRST) • Mirroring: Port-based, ACL-based, MAC Filter-based, and VLAN-based • PIM-SM v2 Snooping • Port Loop Detection • Private VLAN • Remote Fault Notification (RFN) • Single-instance Spanning Tree • Trunk Groups (static, LACP) • Uni-Directional Link Detection (UDLD) • Metro-Ring Protocol (MRP) (v1, v2) • Virtual Switch Redundancy Protocol (VSRP) • Q-in-Q and selective Q-in-Q • VLAN Mapping • Topology Groups |
| Base Layer 3 IP routing feature set ¹ | <ul style="list-style-type: none"> • IPv4 and IPv6 static routes <ul style="list-style-type: none"> – RIP v1/v2, RIPvng • ECMP • Port-based Access Control Lists • Layer 3/Layer 4 ACLs • Host routes • Virtual interfaces • Routed interfaces • Route-only Support • Routing Between Directly Connected Subnets |
| Premium Layer 3 IP routing feature set with software license ¹ | <ul style="list-style-type: none"> • IPv4 and IPv6 dynamic routes • OSPF v2, v3 • PIM-SM, PIM-SSM, PIM-DM, PIM passive (IPv4, IPv6) • PBR • Virtual Route Redundancy Protocol VRRP (IPv4) • VRRP v3 (IPv6) • VRRP-E(IPv4/IPv6) |

¹ Not supported on the ICX 7150-C08P model.

RUCKUS ICX 7150 SPECIFICATIONS

| FEATURES | STANDARD COMPLIANCE |
|--|---|
| IEEE standards compliance | <ul style="list-style-type: none"> • 802.1AB LLDP/ LLDP-MED • 802.1D MAC Bridging • 802.1p Mapping to Priority Queue • 802.1s Multiple Spanning Tree (MST) • 802.1w Rapid Reconfiguration of Spanning Tree (RSTP) • 802.1x Port-based Network Access Control (PNAC) • 802.3 Carrier Sense Multiple Access/Collision Detection (CSMA/CD) • 802.3ab 1000BASE-T • 802.3 10Base-T • 802.3ad Link Aggregation (Dynamic and Static) • 802.1 AX-2008 Link Aggregation • 802.3ae 10 Gigabit Ethernet • 802.3af Power over Ethernet • 802.3at Power over Ethernet Plus • 802.3bz Multigigabit Ethernet • 802.3u 100Base-TX • 802.3x Flow Control • 802.3z 1000Base-SX/LX • 802.3 MAU MIB (RFC 2239) • 802.1Q VLAN Tagging • 802.1BR Bridge Port Extension • 802.3az Energy Efficient Ethernet |
| RFC standards compliance | For a complete list of RFCs supported by the ICX 7000 product family, please visit www.ruckusnetworks.com/support |
| FEATURES | NETWORK AND DEVICE MANAGEMENT |
| Management | <ul style="list-style-type: none"> • DHCP Auto Configuration • Configuration Logging • Digital Optical Monitoring • Display Log Messages on Multiple Terminals • Embedded Web Management (HTTP/HTTPS) • Embedded DHCP Server • Industry-standard Command Line Interface (CLI) • Ruckus SmartZone Network Controller (sold separately) • CLI activation of optional software features • USB file management and storage • Macro for batch execution • Out-of-band Ethernet Management • RSPAN • TFTP • TELNET Client and Server • SSH / SSH V2 • Bootp • SNMPv1/v2c • DHCP Server and DHCP Relay • SNMPv3 Intro to Framework • Architecture for Describing SNMP Framework • SNMP Message Processing and Dispatching • SNMPv3 Applications • SNMPv3 User-based Security Model • SNMP View-based Access Control Model SNMP • sFlow • Network Time Protocol (NTP) • Multiple Syslog Servers • SCP • Virtual Cable Tester (VCT) • From management MIB, please see the ICX technical documentation at ruckusnetworks.com/support |
| Ruckus Campus Fabric technology ¹ | <ul style="list-style-type: none"> • The Ruckus ICX 7150 can operate in fabric Port Extender (PE) mode • Up to 36 PEs per fabric (up to 1800 ports) • PE cascade depth up to 6 units |
| FEATURES | ENVIRONMENT |
| Temperature | Operating Temperatures: 0°C to 45°C (0°C to 40°C for ICX 7150-C08P and ICX7150-C10P) Storage Temperatures: 40°C to 70°C |
| Humidity | Operating relative humidity: 5% to 95% at 45°C, non-condensing Non-operating relative humidity: 0% to 95% at 70°C, non-condensing |
| Altitude | Operating altitude: 10,000 ft (3,000 m) maximum Storage altitude: 39,000 ft (12,000 m) maximum |

¹ Not supported on the ICX 7150-C08P model.

RUCKUS ICX 7150 SPECIFICATIONS

| FEATURES | COMPLIANCE/CERTIFICATION |
|-------------------------------------|---|
| Electromagnetic emissions | FCC Class A (Part 15); EN 55022/CISPR-22 Class A; VCCI Class A; ICES-003 Electromagnetic Emission; AS/NZS 55022; EN 61000-3-2 Power Line Harmonics; EN 61000-3-3 Voltage Fluctuation and Flicker, EN 61000-6-3 Emission Standard (supersedes: EN 50081-1) |
| Safety | CAN/CSA-C22.2 NO. 60950-1-07; UL 60950-1 Second Edition; IEC 60950-1 Second Edition; EN 60950-1:2006 Safety of Information Technology Equipment; EN 60825-1 Safety of Laser Products—Part 1: Equipment Classification, Requirements and User's Guide; EN 60825-2 Safety of Laser Products—Part 2: Safety of Optical Fibre Communication Systems |
| Immunity | EN 61000-6-1 Generic Immunity and Susceptibility (supersedes EN 50082-1); EN 55024 Immunity Characteristics (supersedes EN 61000-4-2 ESD); EN 61000-4-3 Radiated, Radio Frequency, Electromagnetic Field; EN 61000-4-4 Electrical Fast Transient; EN 61000-4-5 Surge; EN 61000-4-6 Conducted Disturbances Induced by Radio-Frequency Fields; EN 61000-4-8 Power Frequency Magnetic Field; EN 61000-4-11 Voltage Dips and Sags |
| Environmental regulatory compliance | RoHS-compliant (6 of 6); WEEE-compliant |
| Vibration | IEC 68-2-36, IEC 68-2-6 |
| Shock and drop | IEC 68-2-27, IEC 68-2-32 |

RUCKUS ICX 7150 ORDERING INFORMATION

| PART NUMBER | RUCKUS ICX 7150 SWITCHES WITH 1 GbE UPLINKS |
|-------------------|---|
| ICX7150-C08P-2X1G | Ruckus ICX 7150 Compact Switch, 8x 10/100/1000 Mbps PoE+ ports, 2x 1G SFP uplink-ports, 62W PoE budget, L2 (switch image only, not L3 upgradable), stacking not supported. |
| ICX7150-C12P-2X1G | Ruckus ICX 7150 Compact Switch, 12x 10/100/1000 Mbps PoE+ ports, 2x 1 GbE RJ45 uplink-ports, 2x 1 GbE SFP uplink-ports upgradable to 2x 10 GbE SFP+ with license, 124 W PoE budget, basic Layer 3 (static routing and RIP). |
| ICX7150-24-4X1G | Ruckus ICX 7150 Switch, 24x 10/100/1000 Mbps ports, 2x 1 GbE RJ45 uplink-ports, 4x 1 GbE SFP uplink-ports upgradable to up to 4x 10 GbE SFP+ with license, basic Layer 3 (static routing and RIP). |
| ICX7150-24F-4X1G | Ruckus ICX 7150 Switch, 24x 1G SFP ports, 2x 1G RJ45 uplink ports, 4x 1G SFP uplink-ports upgradable to up to 4x 10G SFP+ with license, basic Layer 3 (static routing and RIP). |
| ICX7150-24P-4X1G | Ruckus ICX 7150 Switch 24x 10/100/1000 Mbps PoE+ ports, 2x 1 GbE RJ45 uplink-ports, 4x 1 GbE SFP uplink ports upgradable to up to 4x 10 GbE SFP+ with license, 370 W PoE budget, basic Layer 3 (static routing and RIP). |
| ICX7150-48-4X1G | Ruckus ICX 7150 Switch, 48x 10/100/1000 Mbps ports, 2x 1 GbE RJ45 uplink-ports, 4x 1 GbE SFP uplink-ports upgradable to up to 4x 10 GbE SFP+ with license, basic Layer 3 (static routing and RIP). |
| ICX7150-48P-4X1G | Ruckus ICX 7150 Switch, 48x 10/100/1000 Mbps PoE+ ports, 2x 1 GbE RJ45 uplink-ports, 4x 1 GbE SFP uplink ports upgradable to up to 4x 10 GbE SFP+ with license, 370 W PoE budget, basic Layer 3 (static routing and RIP). |
| ICX7150-48PF-4X1G | Ruckus ICX 7150 Switch, 48x 10/100/1000 Mbps PoE+ ports, 2x 1 GbE RJ45 uplink-ports, 4x 1 GbE SFP uplink ports upgradable to up to 4x 10 GbE SFP+ with license, 740 W PoE budget, basic Layer 3 (static routing and RIP). |

RUCKUS ICX 7150 ORDERING INFORMATION

| PART NUMBER | RUCKUS ICX 7150 SWITCHES WITH 2x10 GbE UPLINKS |
|----------------------|--|
| ICX7150-C12P-2X10GR | Ruckus ICX 7150 Compact Switch, 12x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45, 2x10 GbE SFP+ stacking/uplink-ports, 124 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR). |
| ICX7150-C10ZP-2X10GR | Ruckus ICX 7150 Compact Switch, 2x 100/1000/2.5/5/10G PoH ports, 2x 100/1000/2.5G PoH ports, 6x 100/1000/2.5G PoE+ ports, 2x 10G SFP+ stacking/uplink-ports, 240W PoE budget, L3 features (OSPF, VRRP, PIM, PBR). |
| ICX7150-24-2X10G | Ruckus ICX 7150 Switch, 24x10/100/1000 Mbps ports, 2x1 GbE RJ45 uplink-ports, 2x1 GbE SFP and 2x10 GbE SFP+ stacking/uplink-ports upgradable to 4x10 GbE SFP+ with license, basic Layer 3 (static routing and RIP). |
| ICX7150-24F-2X10G | Ruckus ICX 7150 Switch, 24x 1G SFP ports, 2x 1G RJ45 uplink-ports, 2x 1G SFP and 2x 10G SFP+ stacking/uplink-ports upgradable to 4x 10G SFP+ with license, basic L3 (static routing and RIP). |
| ICX7150-24P-2X10G | Ruckus ICX 7150 Switch, 24x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 2x1 GbE SFP and 2x10 GbE SFP+ stacking/uplink-ports upgradable to 4x10 GbE SFP+ with license, 370 W PoE budget, basic Layer 3 (static routing and RIP). |
| ICX7150-48-2X10G | Ruckus ICX 7150 Switch, 48x10/100/1000 Mbps ports, 2x1 GbE RJ45 uplink-ports, 2x1 GbE SFP and 2x10 GbE SFP+ stacking/uplink-ports upgradable to 4x10 GbE SFP+ with license, basic Layer 3 (static routing and RIP). |
| ICX7150-48P-2X10G | Ruckus ICX 7150 Switch, 48x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 2x1 GbE SFP and 2x10 GbE SFP+ stacking/uplink-ports upgradable to 4x10 GbE SFP+ with license, 370 W PoE budget, basic Layer 3 (static routing and RIP). |
| ICX7150-48PF-2X10G | Ruckus ICX 7150 Switch, 48x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 2x1 GbE SFP and 2x10 GbE SFP+ stacking/uplink-ports upgradable to 4x10 GbE SFP+ with license, 740 W PoE budget, basic Layer 3 (static routing and RIP). |
| ICX7150-48ZP-E2X10G | Ruckus ICX 7150 Z-Series Switch, 16x100/1000 Mbps/2.5 Gbps PoH ports, 32x10/100/1000 PoE+ ports, 6x1 GbE SFP uplink ports and 2x10 GbE SFP+ stacking/uplink-ports upgradable to up to 8x10 GbE SFP+ with license, 1x 920 W AC power supply, 1 fan, 740 W PoE budget, base L3 (static routing and RIP). |

| PART NUMBER | RUCKUS ICX 7150 SWITCHES WITH UP 4 OR 8x10 GbE UPLINKS AND LAYER 3 FEATURES |
|----------------------|--|
| ICX7150-24-4X10GR | Ruckus ICX 7150 Switch, 24x10/100/1000 Mbps ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR). |
| ICX7150-24F-4X10GR | Ruckus ICX 7150 Switch, 24x 1G SFP ports, 2x 1G RJ45 uplink-ports and 4x 10G SFP+ stacking/uplink-ports, L3 features (OSPF, VRRP, PIM, PBR). |
| ICX7150-24P-4X10GR | Ruckus ICX 7150 Switch, 24x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, 370 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR). |
| ICX7150-48-4X10GR | Ruckus ICX 7150 Switch, 48x10/100/1000 Mbps ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR). |
| ICX7150-48P-4X10GR | Ruckus ICX 7150 Switch, 48x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, 370 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR). |
| ICX7150-48PF-4X10GR | Ruckus ICX 7150 Switch, 48x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, 740 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR). |
| ICX7150-48ZP-E8X10GR | Ruckus ICX 7150 Z-Series switch, 16x100/1000 Mbps/2.5 Gbps PoH ports, 32x10/100/1000 PoE+ ports, 8x10 GbE SFP+ stacking/uplink-ports (max 4 for stacking), 1x920 W AC power supply, 1 fan, 740 W PoE budget, L3 features (OSPF, VRRP, PIM, PBR). |

RUCKUS ICX 7150 ORDERING INFORMATION

| RUCKUS ICX 7150 SWITCHES WITH THREE-YEAR REMOTE SUPPORT | |
|---|---|
| PART NUMBER | Please note that three-year remote support can be ordered separately to cover any Ruckus ICX 7150 model. |
| ICX7150-C08P-2X1G-RMT3 | Ruckus ICX 7150 Compact Switch, 8x 10/100/1000 PoE+ ports, 2x 1G SFP uplink-ports, 62W PoE budget, L2 (switch image only not L3 upgradable), stacking not supported, three-year remote support. |
| ICX7150-C12P-2X10GR-RMT3 | Ruckus ICX 7150 Compact Switch, 12x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 2x10 GbE SFP+ stacking/uplink-ports, 124 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), three-year remote support. |
| ICX7150-C10ZP-2X10GR-RMT3 | Ruckus ICX 7150 Compact Switch, 2x 100/1000/2.5/5/10G PoH ports, 2x 100/1000/2.5G PoH ports, 6x 100/1000/2.5G PoE+ ports, 2x 10G SFP+ stacking/uplink-ports, 240W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), three-year remote support. |
| ICX7150-24-4X10GR-RMT3 | Ruckus ICX 7150 Switch, 24x10/100/1000 Mbps ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR), three-year remote support. |
| ICX7150-24F-4X10GR-RMT3 | Ruckus ICX 7150 Switch, 24x 1G SFP ports, 2x 1G RJ45 uplink-ports and 4x 10G SFP+ stacking/uplink-ports, L3 features (OSPF, VRRP, PIM, PBR), three-year remote support. |
| ICX7150-24P-4X10GR-RMT3 | Ruckus ICX 7150 Switch, 24x10/100/1000 Mbps PoE+ ports, 2x1G RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, 370 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), three-year remote support. |
| ICX7150-48-4X10GR-RMT3 | Ruckus ICX 7150 Switch, 48x10/100/1000 Mbps ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR), three-year remote support. |
| ICX7150-48P-4X10GR-RMT3 | Ruckus ICX 7150 Switch, 48x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, 370 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), three-year remote support. |
| ICX7150-48PF-4X10GR-RMT3 | Ruckus ICX 7150 Switch, 48x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, 740 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), three-year remote support. |
| ICX7150-48ZP-E8X10GR-RMT3 | Ruckus ICX 7150 Z-Series switch, 16x100/1000 Mbps/2.5 Gbps PoH ports, 32x10/100/1000 PoE+ ports, 8x10 GbE SFP+ stacking/uplink-ports (max 4 for stacking), 1x 920 W AC power supply, 1 fan, 740 W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), Three-year remote support |
| TAA-COMPLIANT RUCKUS ICX 7150 SWITCHES | |
| PART NUMBER | The Ruckus ICX 7150 models with the SKUs below meet the requirements of the Trade Agreements Act (TAA). |
| ICX7150-C12P-2X10GR-A | Ruckus ICX 7150 Compact Switch, 12x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 2x10 GbE SFP+ stacking/uplink-ports, 124 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA-compliant. |
| ICX7150-C10ZP-2X10GR-A | Ruckus ICX 7150 Compact Switch, 2x 100/1000/2.5/5/10G PoH ports, 2x 100/1000/2.5G PoH ports, 6x 100/1000/2.5G PoE+ ports, 2x 10G SFP+ stacking/uplink-ports, 240W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), TAA compliant. |
| ICX7150-24-4X10GR-A | Ruckus ICX 7150 Switch, 24x10/100/1000 Mbps ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA-compliant. |
| ICX7150-24F-4X10GR-A | Ruckus ICX 7150 Switch, 24x 1G SFP ports, 2x 1G RJ45 uplink-ports and 4x 10G SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA compliant. |
| ICX7150-24P-4X10GR-A | Ruckus ICX 7150 Switch, 24x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, 370 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA-compliant. |
| ICX7150-48-4X10GR-A | Ruckus ICX 7150 Switch, 48x10/100/1000 Mbps ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA-compliant. |
| ICX7150-48P-4X10GR-A | Ruckus ICX 7150 Switch, 48x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, 370 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA-compliant. |
| ICX7150-48PF-4X10GR-A | Ruckus ICX 7150 Switch, 48x10/100/1000 Mbps PoE+ ports, 2x1 GbE RJ45 uplink-ports, 4x10 GbE SFP+ stacking/uplink-ports, 740 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA compliant. |
| ICX7150-48ZP-E8X10GR2-A | Ruckus ICX 7150 Z-Series switch, 16x100/1000 Mbps/2.5 Gbps PoH ports, 32x10/100/1000 PoE+ ports, 8x10 GbE SFP+ stacking/uplink-ports (max 4 for stacking), 2x920 W AC power supply, 2 fans, 1480 W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), TAA compliant. |

RUCKUS ICX 7150 ORDERING INFORMATION

| UPGRADE LICENSES | |
|---|--|
| PART NUMBER | All Ruckus ICX 7150 switch models with 1 GbE SFP uplink ports can be upgraded to 10 GbE SFP+ ports with a license. |
| BR-ICX-7150C-21U210R-P-01 | License to upgrade the Ruckus ICX 7150 12 ports compact switches from 2x1 GbE SFP to 2x10 GbE SFP+ stacking/uplink-ports. Also includes Layer 3 features (OSPF, VRRP, PIM, PBR) |
| BR-ICX-7150-41U210-P-01 | License to upgrade any Ruckus ICX 7150 24/48 ports except the Z-Series from 4x1 GbE SFP to 2x10 GbE SFP and 2x10 GbE SFP+ stacking/uplink-ports. |
| BR-ICX-7150-41U410R-P-01 | License to upgrade any Ruckus ICX 7150 24/48 ports except the Z-Series from 4x1 GbE SFP to 4x10 GbE SFP+ stacking/uplink-ports. Also includes Layer 3 features (OSPF, VRRP, PIM, PBR) |
| BR-ICX-7150-210U410R-P-01 | License to upgrade any Ruckus ICX 7150 24/48 ports except the Z-Series from 2x1 GbE SFP and 2x10 GbE SFP+ to 4x10 GbE SFP+ stacking/uplink-ports. Also includes Layer 3 features (OSPF, VRRP, PIM, PBR). |
| BR-ICX-7150Z210U810R-P-01 | License to upgrade ICX 7150 Z-Series model from 6x1 GbE SFP and 2x10 GbE SFP+ to 8x10 GbE SFP+ stacking/uplink-ports (max 4 for stacking). Also includes L3 features (OSPF, VRRP, PIM, PBR) |
| FRUS AND ACCESSORIES | |
| PART NUMBER | |
| RPS20-E | Ruckus ICX 7150-48ZP 920 W AC hot-swap PoE power supply, front to back airflow (up to 2 per switch). Only applicable to the Z-Series |
| ICX-FAN11 | Ruckus ICX 7150-48ZP hot-swap fan tray (up to 2 per switch). Only applicable to the Z-Series |
| ICX6400-C12-MGNT | Magnet Mount Kit for Ruckus ICX 7150/6450/6430 12 Port Compact Switches |
| CC-RJ45-DB9 | Console cable RJ45-RJ45 with RJ-45-DB9 Adapter (for RJ-45 console port on ICX 7150) |
| CC-USBC-USBA | USB 2.0 Cable, Type-C to Type-A, 1 meter (for USB Type-C console port on ICX 7150) |
| ICX7000-C12-RMK | ICX7150-C12P & ICX7150-C08P Compact Switch Rack Mount Kit |
| ICX7000-C10ZP-RMK | ICX7150-C10ZP Compact Switch Rack Mount Kit |
| ICX7000-C12-WMK | ICX7150-C12P & ICX7150-C08P & ICX7150-C10ZP Compact Switch Wall Mount & Under Desk Mount Kit |
| XBR-R000295 | Universal Rack Mount Kit, 4 post FRU |
| ICX7000-RMK | Rack Mount Kit, 2-post FRU for ICX 7000 series 24/48 port models |
| RMK-LRM-ADP | Rack Mount Kit for LRM adapters. This 1RU shelf can accommodate up to 8 LRM adapters. |
| OPTICS | |
| See Optics Datasheet at www.ruckusnetworks.com/optics | Ruckus offers a unique set of high performance, reliable, and cost-effective optical transceivers to help enterprises and service providers meet the challenges of diverse network topologies. To ensure maximum quality, Ruckus selects and tests the most reliable, highest performing optical transceivers on the market, and then warrants their availability, capacity, and performance in Ruckus' product. For a specific list of optics supported by each ICX product see the Optics Datasheet at www.ruckusnetworks.com/optics . |
| MANAGEMENT SOFTWARE | |
| See SmartZone Datasheet at www.ruckusnetworks.com/smartzone | Ruckus SmartZone centralizes management of the entire family of Ruckus switches and wireless Access Points with a single easy to deploy management platform. It simplifies network set-up and management, enhances security, streamlines troubleshooting and eases upgrades. SmartZone Network Controllers are available in both appliance and virtual appliance form. For more information, go to www.ruckusnetworks.com/smartzone . |

ORDERING NOTES

All Ruckus ICX 7150 switches come with an accessory kit that includes a rubber foot kit, power cord clip, rack mount kit (for 24/48 ports model), RJ-45 console cable and US AC power cord. Stacking cables, USB console cables, compact switch rack mount kit, and optics need to be ordered separately.

All Ruckus ICX 7150 switch models with 1 GbE SFP uplink ports can be upgraded to 10 GbE SFP+ ports with a license except for the ICX 7150-C08P.

Standard Ruckus ICX 7150 1 RU Switch models can be ordered configured with either 4x1 GbE SFP, 2x1 GbE SFP, and 2x10 GbE SFP+, or 4x10 GbE SFP+ uplinks.

The Ruckus ICX7150-C12P compact switch can be ordered configured with either 2x1 GbE SFP or 2x10 GbE SFP+ uplinks.

The Ruckus ICX7150-48ZP switch can be ordered configured with 2x10 GbE SFP+ uplinks and 6x1 GbE SFP, or 8x10 GbE SFP+ uplinks.

Upgrade licenses are available to upgrade standard Ruckus ICX 7150 1 RU switches to either 2x1 GbE SFP and 2x10 GbE SFP+ or to 4x10 GbE SFP+, the Ruckus ICX 7150 compact switch to 2x10 GbE SFP+, and the Ruckus ICX7150-48ZP switch to 8x10 GbE SFP+.

Ruckus ICX 7150 Switches with 4x10 GbE SFP+ and 8x10 GbE SFP+ (2x10 GbE SFP+ for the compact switch) include a license to enable Layer 3 features (OSPF, VRRP, PIM, PBR).

Special SKUs have been created to enable customers to order specific Ruckus ICX 7150 models with three-year remote support included. Please note that additional years of remote support can always be ordered separately to cover any Ruckus ICX 7150 model. Contact Ruckus or channel partner representative for details about Ruckus support options and support part numbers.

For your convenience, a fully loaded ICX 7150-48ZP model with dual power supplies and 8x10 GbE ports bundle has been created. It comes with factory installed power supplies, fans and 8x10 GbE port licenses.

WARRANTY

Ruckus ICX 7150 Switches are covered by the Ruckus Assurance Limited Lifetime Warranty. For details, visit www.ruckusnetworks.com/warranty.

BEST-IN-CLASS SUPPORT

Ruckus ICX 7150 switches are supported by next-business-day advance replacement where available, as well as software defect repairs and maintenance updates. 90 days remote support is included with the product purchase. Many on-site and remote support options are available and can be purchased bundled with the product or separately.

LEGAL DISCLAIMER

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ACCESS POINT ANTENNA PATTERN

Ruckus' BeamFlex+ adaptive antennas allow the T310 AP to dynamically choose among a host of antenna patterns (up to 64 possible combinations) in real-time to establish the best possible connection with every device. This leads to:

- Better Wi-Fi coverage
- Reduced RF interference

Traditional omni-directional antennas, found in generic access points, oversaturate the environment by needlessly radiating RF signals in all directions. In contrast, the Ruckus BeamFlex+ adaptive antenna directs the radio signals per-device on a packet-by-packet basis to optimize Wi-Fi coverage and capacity in real-time to support high device density environments. BeamFlex+ operates without the need for device feedback and hence can benefit even devices using legacy standards.

Figure 1. Example of Beamflex+ pattern

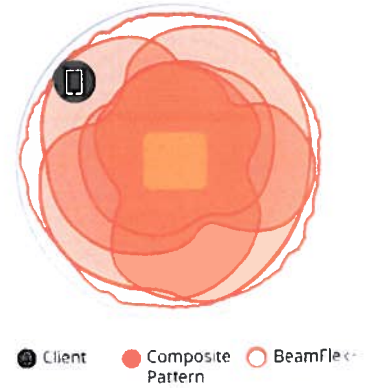


Figure 2. T310d 2.4GHz Azimuth Antenna Patterns

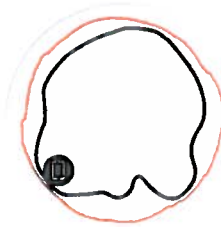


Figure 3. T310d 5GHz Azimuth Antenna Patterns

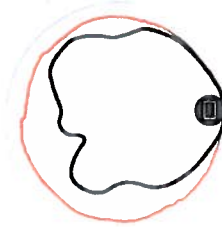


Figure 4. T310d 2.4GHz Elevation Antenna Patterns



Figure 5. T310d 5GHz Elevation Antenna Patterns



Note: The outer trace represents the composite RF footprint of all possible BeamFlex+ antenna patterns, while the inner trace represents one BeamFlex+ antenna pattern within the composite outer trace.

T310 SERIES

Outdoor 802.11ac Wave 2 2x2:2 Wi-Fi Access Point

DATA SHEET

| Wi-Fi | |
|---------------------------------|---|
| Wi-Fi Standards | <ul style="list-style-type: none"> IEEE 802.11a/b/g/n/ac Wave 2 |
| Supported Rates | <ul style="list-style-type: none"> 802.11ac: 6.5 to 867 Mbps (MCS0 to MCS9, NSS=1 to 2 for VHT20/40/80) 802.11n: 6.5 Mbps to 300Mbps (MCS0 to MCS15) 802.11a/g: 54, 48, 36, 24, 18, 12, 9, 6Mbps 802.11b: 11, 5.5, 2 and 1 Mbps |
| Supported Channels | <ul style="list-style-type: none"> 2.4GHz: 1-13 5GHz: 36-64, 100-144, 149-165 |
| MIMO | <ul style="list-style-type: none"> 2x2 SU-MIMO 2x2 MU-MIMO |
| Spatial Streams | <ul style="list-style-type: none"> 2 SU-MIMO 2 MU-MIMO |
| Radio Chains and Streams | <ul style="list-style-type: none"> 2x2:2 |
| Channelization | <ul style="list-style-type: none"> 20, 40, 80MHz |
| Security | <ul style="list-style-type: none"> WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i, Dynamic PSK WIPS/WIDS |
| Other Wi-Fi Features | <ul style="list-style-type: none"> WMM, Power Save, Tx Beamforming, LDPC, SIBC, 802.11r/k/v Hotspot, Hotspot 2.0 Captive Portal WISPr |

| RF | | | | |
|---|--|-------|--|--|
| | T310c | T310d | T310s | T310n |
| Antenna Type | <ul style="list-style-type: none"> BeamFlex+ adaptive antennas with polarization diversity | | | |
| Antenna Gain (max) | Up to 3dBi | | Up to 9dBi | Up to 13 dBi |
| Peak Transmit Power (aggregate across MIMO chains) | <ul style="list-style-type: none"> 2.4GHz: 23dBm 5GHz: 24dBm | | <ul style="list-style-type: none"> 2.4GHz: 24dBm 5GHz: 21dBm | <ul style="list-style-type: none"> 2.4GHz: 21dBm 5GHz: 17dBm |
| BeamFlex+ SINR Transmit Power Gain* | Up to 6 dB | | | |
| BeamFlex+ SINR Receive Power Gain* | Up to 4 dB | | | |
| Minimum Receive Sensitivity¹ | -101dBm | | | |
| Frequency Bands | <ul style="list-style-type: none"> ISM (2.4-2.484GHz) U-NII-1 (5.15-5.25GHz) U-NII-2A (5.25-5.35GHz) U-NII-2C (5.47-5.725GHz) U-NII-3 (5.725-5.85GHz) | | | |

| 2.4GHz RECEIVE SENSITIVITY | | | |
|----------------------------|------|------|------|
| HT20 | | HT40 | |
| MCS0 | MCS7 | MCS0 | MCS7 |
| -95 | -78 | -92 | -75 |

| 5GHZ RECEIVE SENSITIVITY | | | | | | | |
|--------------------------|------|-------|------|-------|------|------|------|
| VHT20 | | VHT40 | | VHT80 | | | |
| MCS0 | MCS7 | MCS0 | MCS7 | MCS9 | MCS0 | MCS7 | MCS9 |
| -96 | -77 | -93 | -74 | -69 | -90 | -71 | -66 |

| 2.4GHZ TX POWER TARGET | |
|------------------------|------------|
| Rate | Pout (dBm) |
| MCS0 HT20 | 23 |
| MCS7 HT20 | 18 |
| MCS0 HT40 | 22 |
| MCS7 HT40 | 18 |

| 5GHZ TX POWER TARGET | |
|----------------------|------------|
| Rate | Pout (dBm) |
| MCS0 VHT20 | 24 |
| MCS7 VHT20 | 20 |
| MCS9 VHT20 | 18 |
| MCS0 VHT40, VHT80 | 23 |
| MCS7 VHT40, VHT80 | 20 |
| MCS9 VHT40, VHT80 | 18 |

| PERFORMANCE AND CAPACITY | |
|--------------------------|--|
| Peak PHY Rates | <ul style="list-style-type: none"> 2.4GHz: 300Mbps 5GHz: 867Mbps |
| Client Capacity | Up to 512 clients per AP |
| SSID | Up to 31 per AP |

| RUCKUS RADIO MANAGEMENT | |
|-------------------------------------|---|
| Antenna Optimization | <ul style="list-style-type: none"> BeamFlex+ Polarization Diversity with Maximal Ratio Combining (PD-MRC) |
| Wi-Fi Channel Management | <ul style="list-style-type: none"> ChannelFly Background Scan Based |
| Client Density Management | <ul style="list-style-type: none"> Adaptive Band Balancing Client Load Balancing Airtime Fairness Airtime-based WLAN Prioritization |
| SmartCast Quality of Service | <ul style="list-style-type: none"> QoS-based scheduling Directed Multicast L2/L3/L4 ACLs |
| Mobility | <ul style="list-style-type: none"> SmartRoute |
| Diagnostic Tools | <ul style="list-style-type: none"> Spectrum Analysis SpeedFlex |

* BeamFlex gains are statistical system level effects translated to enhanced SINR based on observations over time in real world conditions with multiple APs and many clients.
¹ Rx sensitivity varies by band, channel width and MCS rate.

T310 SERIES

Outdoor 802.11ac Wave 2 2x2:2 Wi-Fi Access Point

DATA SHEET

| NETWORKING | |
|------------------------------------|---|
| Controller Platform Support | <ul style="list-style-type: none"> SmartZone ZoneDirector Standalone |
| Mesh | SmartMesh™ wireless meshing technology. Self-healing Mesh |
| IP | IPv4, IPv6 |
| VLAN | <ul style="list-style-type: none"> 802.1Q (1 per BSSID or dynamic per use based on RADIUS) VLAN Pooling Port-based |
| 802.1x | Authenticator & Supplicant |
| Tunnel | L2TP, GRE, soft-GRE |
| Policy Management Tools | <ul style="list-style-type: none"> Application Recognition and Control Access Control Lists Device Fingerprinting Rate Limiting |
| IoT Capable | Yes |

| PHYSICAL INTERFACES | | | | |
|---------------------|----------------------|----------------------------------|-------|-------|
| | T310c | T310d | T310s | T310n |
| Ethernet | 1 x 1GbE port, RJ-45 | | | |
| USB | — | 1 USB 2.0 port, Type A | | |
| DC Power | — | 12V DC Terminal Block (8V - 20V) | | |

| PHYSICAL CHARACTERISTICS | | | | |
|------------------------------|---|-------------------------------|-------|-------|
| | T310c | T310d | T310s | T310n |
| Physical Size | 18.1(L) x 15.1(W) x 7.9(H) cm | 26(L) x 20.9(W) x 10.3(H) cm | | |
| | 7.1(L) x 5.9(W) x 3.1(H) in. | 10.2(L) x 8.2(W) x 4.1(H) in. | | |
| Weight | 1kg (2.1lbs) | 1.65kg (3.6lbs) | | |
| Ingress Protection | IP 67 | | | |
| Mounting | Wall, Drop ceiling, Desk Pole Mount Diameter 1" to 2.5" | | | |
| Operating Temperature | -20°C (-4°F) to 65°C (149°F) | -40°C (-40°F) to 65°C (149°F) | | |
| Operating Humidity | Up to 95%, non-condensing | | | |
| Wind Survivability | Up to 266km/h (165 mph) | | | |

| POWER ² | | | | |
|-------------------------|--|--------|--------|--------|
| | T310c | T310d | T310s | T310n |
| Power Supply | Max Power Consumption (includes USB power) | | | |
| 802.3af/at (PoE) | 7.92W | 11.86W | 11.86W | 11.86W |
| DC | — | 11.7W | 12.11W | 11.7W |

| CERTIFICATIONS AND COMPLIANCE | |
|---|--|
| Wi-Fi Alliance³ | <ul style="list-style-type: none"> Wi-Fi CERTIFIED™ a, b, g, n, ac Passpoint®, Vantage |
| Standards Compliance⁴ | <ul style="list-style-type: none"> EN 60950-1 Safety EN 60601-1-2 Medical EN 61000-4-2/3/5 Immunity EN 50121-1 Railway EMC EN 50121-4 Railway Immunity IEC 61373 Railway Shock & Vibration UL 2043 Plenum EN 62311 Human Safety/RF Exposure WEEE & RoHS ISTA 2A Transportation |
| SOFTWARE AND SERVICES | |
| Location Based Services | SPoT |
| Network Analytics | SmartCell Insight (SCI) |
| Security and Policy | Cloudpath |

| MODEL FEATURE DIFFERENCES | | | | |
|---------------------------|---------------------|----------|-----|----------|
| Model | Antenna | Low Temp | USB | DC Power |
| T310c | Omni | -20°C | N | N |
| T310d | Omni | -40°C | Y | Y |
| T310n | Narrow Sector (30°) | -40°C | Y | Y |
| T310s | Sector (120°) | -40°C | Y | Y |

| ORDERING INFORMATION | |
|----------------------|--|
| T310 OUTDOOR APs | |
| 901-T310-XX20 | T310c, omni, outdoor access point, 802.11ac Wave 2 2x2:2 internal BeamFlex+ dual band concurrent. One Ethernet port, PoE input, 20°C to 65°C Operating Temperature. Includes mounting bracket and one year warranty. Does not include PoE injector. |
| 901-T310-XX40 | T310d, omni, outdoor access point, 802.11ac Wave 2 2x2:2 internal BeamFlex+, dual band concurrent. One Ethernet port, PoE input, DC input and USB port. -40°C to 65°C Operating Temperature. Includes mounting bracket and one year warranty. Does not include PoE injector. |
| 901-T310-XX51 | T310s, 120x30 deg. Outdoor 802.11ac Wave 2 2x2:2, 120 degree sector, dual band concurrent access point. One Ethernet port, PoE input, DC input and USB port. -40°C to 65°C Operating Temperature. Includes adjustable mounting bracket and one year warranty. Does not include PoE injector. |
| 901-T310-XX61 | T310n, 30x30 deg. Outdoor 802.11ac 2x2:2 Wave 2, narrow beam, dual band concurrent access point. One Ethernet port, PoE input, DC input and USB port. -40°C to 65°C Operating Temperature. Includes adjustable mounting bracket and one year warranty. Does not include PoE injector. |

See Ruckus price list for country specific ordering information. Warranty: Sold with a limited one year warranty. For details see: <http://support.ruckuswireless.com/warranty>

² Max power varies by country setting, band, and MCS rate.
³ For complete list of WPA certifications, please see Wi-Fi Alliance website.
⁴ For current certification status, please see price list.

T310 SERIES

Outdoor 802.11ac Wave 2 2x2:2 Wi-Fi Access Point

DATA SHEET

OPTIONAL ACCESSORIES

| | |
|----------------------|---|
| 902-0162-XXYY | • PoE injector (24W) (Sold in quantities of 1, 10 or 100) |
| 902-0125-0000 | • Secure articulating mounting bracket |
| 902-0127-0000 | • Extended cap to accommodate up to 6 cm long USB dongle |
| 902-1121-0000 | • Spare weatherizing cable gland with option of one hole or 2 hole connection |

PLEASE NOTE: When ordering outdoor APs, you must specify the destination region by indicating -US, -WW, or -Z2 instead of -XX. When ordering PoE injectors or power supplies, you must specify the destination region by indicating -US, -EU, -AU, -BR, -CN, -IN, -JP, -KR, -SA, -UK, or -UN instead of -XX. For access points, -Z2 applies to the following countries: Algeria, Egypt, Israel, Morocco, Tunisia, and Vietnam.

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www.ruckusnetworks.com

HEET-50

ADVERTISING OPTIONS



solution brief

Purple WiFi

The Leader in Social WiFi

Introduction

Purple WiFi is a hotspot WiFi solution that is also a powerful marketing tool. It helps brick-and-mortar stores increase business and improve customer loyalty via sophisticated yet easy to use customer analytics and campaign management tools. Working with Ruckus Smart WiFi and Ruckus Smart Positioning Technology (SPoT), Purple WiFi, can also leverage detailed location data to enhance customer insight and allow much finer targeting of customer marketing campaigns.

Purple WiFi is a powerful and secure platform, with features such as social login, enhanced social media interaction, family friendly content filtering and real time insight and analytics. It allows login via Facebook, Twitter etc. or any short form that can expand your social network presence quickly. It also captures customer data, including opt-in email addresses, allowing venues to quickly build up valuable marketing lists of people who have actually been in their store, restaurant or venue.

Purple WiFi

solution brief

Purple WiFi is deployed on top of Ruckus Smart WiFi infrastructure to offer a fully branded service, including customized login and landing page. Brands can also have 'super user' administrator control of all regional stores.

Retail, leisure, hospitality, public sector, education, healthcare, travel and transport venues can link social login information with location and presence data to give an unrivalled level of customer insight. Marketing messages and social engagement posts can be triggered from the Purple WiFi platform based on demographic data or behavior in the venue.

Purple WiFi gives control back to the venues by allowing them to brand their own WiFi pages where other WiFi providers control that branding - and data collected. Many companies are also willing to pay for sophisticated email management and

sending platforms. Purple WiFi has created a tool that allows you to send emails or SMS* to your customers - tailored to their demographic and/or behavior. The Purple WiFi reporting engine provides detailed analytics for venues or stores. With Purple WiFi enterprises can find out who is visiting, how long they stay, how often they return, and capture detailed demographic data via social log. According to Purple WiFi research, over 50% of people that connect via social login post messages about a brand while online. Venues can tailor posts according to the store and current offers. These posts reach each users' social network.

Together, Purple WiFi and Ruckus offer a complete, scalable and easy to manage solution that can be deployed anywhere from a neighborhood restaurant to a large stadium to a nationwide network of retail stores.



www.ruckuswireless.com

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Ruckus Wireless, Inc.
350 West Java Drive
Sunnyvale, CA 94089 USA
(510) 205-4200 Ph | (408) 738-2065 Fx

PARTIAL WARRANT REGISTER FOR COUNCIL MEETING 10/13/2020
(CHECK NOT APPROVED ON 9/22/2020)

PART I

RECEIVED

1:35pm

Page: 1

Final Check List
 CITY OF SOUTH GATE

OCT 7 - 2020

apChkLst
 09/28/2020 6:31:02PM

Bank : botw BANK OF THE WEST

| Check # | Date | Vendor | Invoice | Inv Date | Description | CITY OF SOUTH GATE | Check Total |
|---------------------------------|----------|---------|-----------------------------------|-----------|-------------------------------|--------------------|-------------|
| 90041 | 9/3/2020 | 0012020 | TRIEPEI, SMITH AND ASSOCIATE 5253 | 7/15/2020 | 7/15/20-8/14/20 MARKETING & C | 3,500.00 | |
| | | | 5337 | 8/15/2020 | 08/15/20-09/14/20 MARKETING & | 3,500.00 | |
| | | | 4881 | 2/29/2020 | FEBRUARY 2020 PROGRAM FOF | 148.75 | 7,148.75 |
| Sub total for BANK OF THE WEST: | | | | | | 7,148.75 | 7,148.75 |

1 check in this report.

Grand Total All Checks: 7,148.75

Item No. 13a.

Gray highlights indicate prepaid checks

Page: 1

**PARTIAL WARRANT REGISTER SUMMARY
CITY COUNCIL MEETING 10/13/2020
(CHECK NOT APPROVED ON 9/22/2020)**

TOTAL PART I - ACCOUNTS PAYABLE CHECK

7,148.75

GRAND TOTAL

7,148.75

WARRANT REGISTER FOR COUNCIL MEETING **RECEIVED**

PART Ia

apChkLst
09/16/2020 9:08:48AM

Final Check List
CITY OF SOUTH GATE

OCT 7 - 2020
1:35pm

Page: 1

**CITY OF SOUTH GATE
OFFICE OF THE CITY MANAGER**

Bank : botw BANK OF THE WEST

| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
|----------|-----------|---------|-------------------------------|-----------|------------------------------|-------------|-------------|
| 90247 | 9/17/2020 | 0012107 | CALIFORNIA STATE DISBURSEMENT | 9/17/2020 | CA STATE DISB. UNIT: PAYMENT | 1,218.45 | 1,218.45 |
| Voucher: | | | | | | | |
| 90248 | 9/17/2020 | 0009920 | OCSE CLEARINGHOUSE SDU | 9/17/2020 | GARNISHMENT - AR CHILD SUPP | 324.00 | 324.00 |
| Voucher: | | | | | | | |

Sub total for BANK OF THE WEST: 1,542.45

2 checks in this report.

Grand Total All Checks: 1,542.45

Item No. 13b.

WARRANT REGISTER FOR COUNCIL MEETING 10/13/2020

PART Ib

apChkLst
09/30/2020 10:41:36AM

Final Check List
CITY OF SOUTH GATE

Page: 1

Bank : botw BANK OF THE WEST

| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
|---------|-----------|----------|--|-----------|-------------------------------|-------------|-------------|
| 90263 | 10/1/2020 | 00000334 | UNITED WAY OF GREATER LOS #Ben276807 | 10/1/2020 | UNITED WAY: PAYMENT | 34.33 | 34.33 |
| | | Voucher: | | | | | |
| 90259 | 10/1/2020 | 00000335 | POLICE OFFICERS ASSOCIATION Ben276811 | 10/1/2020 | POLICE ASSOCIATION DUES: PA | 5,300.00 | 5,300.00 |
| | | Voucher: | | | | | |
| 90251 | 10/1/2020 | 00000437 | AFLAC Ben276815 | 10/1/2020 | AMERICAN FAMILY LIFE INS.: PA | 635.82 | 635.82 |
| | | Voucher: | | | | | |
| 90256 | 10/1/2020 | 00000438 | COLONIAL INSURANCE CO. Ben276803 | 10/1/2020 | COLONIAL INSURANCE CO: PAYI | 3,059.59 | 3,059.59 |
| | | Voucher: | | | | | |
| 90252 | 10/1/2020 | 00002417 | AMERICAN FIDELITY ASSURANC Ben276809 | 10/1/2020 | AMERICAN FIDELITY (ABT): PAYI | 300.16 | 300.16 |
| | | Voucher: | | | | | |
| 90258 | 10/1/2020 | 00002421 | POLICE MANAGEMENT ASSOCIA Ben276813 | 10/1/2020 | POLICE MANAGEMENT ASSOC. I | 2,250.00 | 2,250.00 |
| | | Voucher: | | | | | |
| 90257 | 10/1/2020 | 0009920 | OCSE CLEARINGHOUSE SDU Ben276821 | 10/1/2020 | GARNISHMENT - AR CHILD SUPP | 324.00 | 324.00 |
| | | Voucher: | | | | | |
| 90260 | 10/1/2020 | 0011466 | PRINCIPAL LIFE INSURANCE CO Ben276797 | 10/1/2020 | PRINCIPAL DENTAL PPO (MISC): | 30,656.07 | 30,656.07 |
| | | Voucher: | | | | | |
| 90261 | 10/1/2020 | 0011467 | RELIANCE STANDARD Ben276799 | 10/1/2020 | LONG TERM DISABILITY: PAYME | 3,932.02 | 3,932.02 |
| | | Voucher: | | | | | |
| 90262 | 10/1/2020 | 0011468 | SUPERIOR VISION SERVICES, IN Ben276801 | 10/1/2020 | SUPERIOR VISION MISC.: PAYME | 4,012.20 | 4,012.20 |
| | | Voucher: | | | | | |
| 90253 | 10/1/2020 | 0011469 | CALIFORNIA DENTAL NETWORK, Ben276805 | 10/1/2020 | CALIFORNIA DENTAL NETWORK | 3,070.92 | 3,070.92 |
| | | Voucher: | | | | | |
| 90255 | 10/1/2020 | 0011535 | CDTFA Ben276817 | 10/1/2020 | CA DEPT OF TAX & FEE ADMIN: F | 386.68 | 386.68 |
| | | Voucher: | | | | | |
| 90254 | 10/1/2020 | 0012107 | CALIFORNIA STATE DISBURSEM Ben276819 | 10/1/2020 | CA STATE DISB. UNIT: PAYMENT | 578.76 | 578.76 |
| | | Voucher: | | | | | |

Sub total for BANK OF THE WEST: 54,540.55

13 checks in this report.

Grand Total All Checks: 54,540.55

WARRANT REGISTER FOR COUNCIL MEETING 10/13/2020

PART II

apChkLst
09/22/2020 1:30:36PM

Final Check List
CITY OF SOUTH GATE

Page: 1

Bank : botw BANK OF THE WEST

| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
|---------------------------------|-----------|---|----------------|----------|-------------------------------|-------------|-------------|
| 90249 | 9/22/2020 | 0008914 AMERICAN EXPRESS 00004000 WASTE MANAGEMENT | 1229162-2684-0 | 8/1/2020 | AUG 2020: 263-1669: SG RESDTL | 312,518.00 | 312,518.00 |
| Voucher: | | | | | | | |
| 1 check in this report. | | | | | | | |
| Sub total for BANK OF THE WEST: | | | | | | 312,518.00 | 312,518.00 |
| Grand Total All Checks: | | | | | | 312,518.00 | 312,518.00 |

WARRANT REGISTER FOR COUNCIL MEETING 10/13/2020

PART III

apChkLst
10/05/2020 6:27:54PM

Final Check List
CITY OF SOUTH GATE

Page: 1

Bank : botw BANK OF THE WEST

| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
|---------|-----------|----------|-----------------------------|------------------|-------------|------------------------------|-------------|
| 145 | 9/11/2020 | 00004266 | U.S. BANK CORPORATE PAYMEI | | | | |
| | | 0008159 | PUMPMAN, LLC | 73026 | 6/11/2020 | SEWAGE PUMP SYSTEM INSPEC | 200.00 |
| | | 0012596 | ZOOM.US | INV37022870 | 8/20/2020 | ZOOM STANDARD PRO MONTHL | 89.94 |
| | | 0011042 | RELIAS LEARNING | 0146477214 | 8/13/2020 | TRAINING-THREE ONLINE TRAIN | 54.90 |
| | | 0005347 | AMAZON.COM | 113-3189570-3433 | 8/18/2020 | TREE WATERING BAGS FOR PAL | 184.94 |
| | | 0005347 | AMAZON.COM | 113-7670352-230C | 8/18/2020 | TREE WATERING BAGS FOR PAL | 530.44 |
| | | 0005347 | AMAZON.COM | 111-7064510-9688 | 7/29/2020 | 3 PRONG PLUG POWER STRIP | 23.12 |
| | | 0005347 | AMAZON.COM | 111-6295314-6777 | 8/4/2020 | UBIQUITI UNIFIAP-AC | 106.82 |
| | | 0005347 | AMAZON.COM | 111-4677512-5865 | 8/17/2020 | CAT6 CABLE FLAT 15 FT | 46.29 |
| | | 0005347 | AMAZON.COM | 111-7264737-9141 | 8/17/2020 | 2 X UBIQUITI UNIFIAP-AC | 235.66 |
| | | 0005347 | AMAZON.COM | 111-7563089-7037 | 8/18/2020 | NETGEAR 5-PORT SWITCH | 16.53 |
| | | 0008153 | TIME WARNER CABLE- | 062659 | 8/18/2020 | SPECTRUM INTERNET SERVICE | 170.98 |
| | | 0009469 | ADOBE SYSTEMS, INC | HDB122719000 | 7/27/2020 | ADOBE ACROBAT | 479.88 |
| | | 0012762 | INFORMATION STATION SPECIAL | 1014400140 | 8/3/2020 | TRANSMITTER FOR MOVIES IN F | 1,134.42 |
| | | 0011982 | EATGUD CAFE | 47 | 8/6/2020 | DIRE NEED FOOD FOR SENIOR- | 10.00 |
| | | 0009469 | ADOBE SYSTEMS, INC | 8/5/2020 | 8/5/2020 | CREDIT FOR RETURN | -479.88 |
| | | 0011704 | BLUE DOT SAFES CORP | CREDIT | 7/31/2018 | CREDIT | -7.05 |
| | | 0011982 | EATGUD CAFE | 20 | 8/10/2020 | DIRE NEED FOOD FOR SENIOR- | 10.00 |
| | | 00000339 | POSTMASTER | 08/18/2020 | 10/1/2020 | RETURN/MAIL TRANSMITTER | 160.75 |
| | | 0011982 | EATGUD CAFE | 16 | 8/20/2020 | DIRE NEED FOOD FOR SENIOR- | 10.00 |
| | | 0011982 | EATGUD CAFE | 4-08/20/2020 | 8/20/2020 | DIRE NEED FOOD FOR SENIOR- | 10.00 |
| | | 0005368 | PRINTCO DIRECT | 8/21/2020 | 8/21/2020 | PARK CLOSED SIGNS/BANNERS | 529.28 |
| | | 00002446 | CALIFORNIA NARCOTIC OFFICE | 8/4/2020 | 8/4/2020 | TRAINING NARCOTICS & SPECI/ | 400.00 |
| | | 0011704 | BLUE DOT SAFES CORP | 145253 | 7/31/2018 | DEFERRED AMOUNT FOR DISPL | 479.02 |
| | | 0008155 | DROBOX.COM | DNHTS3RSMFQB | 7/30/2020 | DROBOX BUSINESS STANDARI | 45.00 |
| | | 0012769 | TAYLOR AND FRANCIS GROUP, L | TK094871 | 7/22/2020 | BOOK-PLANNING MADE EASY FI | 61.70 |
| | | 0012769 | TAYLOR AND FRANCIS GROUP, L | TK096364 | 7/24/2020 | BOOK-PLANNING MADE EASY FI | 123.39 |
| | | 0009420 | SPARKLETTS | 16963364 072320 | 7/23/2020 | DS SERVICES STANDARD COFF | 19.71 |
| | | 00004234 | CHANDLER'S AIR CONDITIONING | 68032 | 7/23/2020 | REPAIR FREEZER'S AT BOTH SE | 405.07 |
| | | 00004971 | AMERICAN PLANNING ASSN | 3174616 | 8/17/2020 | ANNUAL MEMBERSHIP FOR THE | 470.00 |
| | | 0012596 | ZOOM.US | INV32626154 | 7/23/2020 | ZOOM WEBINAR ACCESS UPGR | 657.54 |
| | | 0008304 | GODADDY.COM | 1731516801 | 8/12/2020 | SSL CERTIFICATION FOR MAIL.S | 399.98 |
| | | 0012612 | PAESSLER AG | R2020-05-0287911 | 5/28/2020 | PRTG NETWORK MONITORING S | 1,487.50 |
| | | 00001414 | OFFICE DEPOT | 051882 | 8/13/2020 | REPLACEMENT KEYBOARDS (2) | 60.52 |

Bank : botw BANK OF THE WEST (Continued)

| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
|----------|-----------|-----------------------------|------------------|-----------|----------------------------------|-------------|-------------|
| 0011227 | | LOGMEIN, INC. | 257684064 | 8/15/2020 | ANNUAL CONFERENCE CALLING | 351.00 | |
| 0005347 | | AMAZON.COM | 111-8209643-61 | 8/20/2020 | MOTOROLA APX PROGRAMMING | 105.52 | |
| 0009649 | | AT&T | 143648353 | 8/20/2020 | INTERNET SERVICES AT AZALEA | 124.08 | |
| 00003960 | | MAJESTIC TROPHY & AWARDS | 020285 | 7/9/2020 | PROMOTION PLAQUE FOR BOB | 103.40 | |
| 0005889 | | FERGUSON WATERWORKS | 0702857 2ND | 7/27/2020 | PAID BALANCE FOR INVOICE #0 | 284.30 | |
| 0000932 | | CHEMSEARCH | 7057849 | 8/7/2020 | NCH CORPORATION | 963.14 | |
| 0010278 | | FROM YOU FLOWERS | 412855129 | 8/20/2020 | CONDOLENCE FLOWERS | 67.85 | |
| 0011575 | | MERCHANTS BUILDING | 589018 | 7/28/2020 | CLEANING & DISINFECTING OF I | 403.65 | |
| 0009420 | | SPARKLETT'S | 169633364 082021 | 8/20/2020 | DS SERVICES STANDARD COFF | 19.71 | |
| 00004003 | | BEHAVIOR ANALYSIS TRNG INST | 20-078 | 8/25/2020 | TRAINING-LESS LETHAL INSTR | 640.00 | |
| 00002446 | | CALIFORNIA NARCOTIC OFFICE | 08/05/2020 | 8/5/2020 | TRAINING-NARCOTICS & SPECI | 400.00 | |
| 0005305 | | PAYPAL | 5WN05093YX106 | 8/6/2020 | TRAINING-TUITION FOR 4-HOUR | 27.95 | |
| 0006537 | | EXPEDIA | 08/10/2020 | 8/10/2020 | TRAINING-SUPERVISORY SCHO | 172.78 | |
| 0008153 | | TIME WARNER CABLE- | 0490491072720 | 7/27/2020 | 7/27/20-8/26/20 FOR CIVIC CENT | 230.57 | |
| 0008153 | | TIME WARNER CABLE- | 0426602072520 | 7/25/2020 | 7/25/20-8/24/20: ACCT# 8448 30 1 | 230.57 | |
| 0005368 | | PRINTCO DIRECT | 82764 | 4/29/2020 | CITY LOGO STICKERS FOR "THA | 242.55 | |
| 0005368 | | PRINTCO DIRECT | 82863 | 6/9/2020 | 2 RETRACTABLE BANNER STANI | 429.98 | |
| 0005368 | | PRINTCO DIRECT | 82864 | 6/15/2020 | 100 COPIES OF THE REOPENIN | 343.98 | |
| 0008153 | | TIME WARNER CABLE- | 0426271071420 | 7/14/2020 | 7/14/20-8/13/20: ACCT# 8448 30 1 | 15.76 | |
| 0008153 | | TIME WARNER CABLE- | 0586017071820 | 7/18/2020 | 7/18/20-8/17/20 FOR FIBER LINE | 596.43 | |
| 0008153 | | TIME WARNER CABLE- | 0426628070120 | 7/1/2020 | 06/30/20 - 07/29/20 FOR FITNESS | 126.90 | |
| 0008153 | | TIME WARNER CABLE- | 0586090072620 | 7/26/2020 | 7/26/20-8/25/20 FOR CITY HALL | 239.00 | |
| 0008153 | | TIME WARNER CABLE- | 0490384072720 | 7/27/2020 | 07/27/20 - 08/26/20 SPECTRUM S | 20.29 | |
| 0008153 | | TIME WARNER CABLE- | 05000034072720 | 7/27/2020 | 7/27/20-8/26/20 FOR SG PARK AU | 230.57 | |
| 00000322 | | SAM'S CLUB | 08/14/2020 | 8/14/2020 | GEL HAND SANITIZER AND SOAI | 120.15 | |
| 0011042 | | RELIAS LEARNING | 0146717507 | 8/12/2020 | TRAINING-TWO ONLINE COURSI | 39.95 | |
| 00001414 | | OFFICE DEPOT | 018047 | 8/19/2020 | PRINTING OF HATE CRIME PAMF | 33.01 | |
| 0008153 | | TIME WARNER CABLE- | 0495151070720 | 7/7/2020 | 7/7/20-8/6/20: ACCT#8448 30 017 | 129.99 | |
| 0008153 | | TIME WARNER CABLE- | 0435603071420 | 7/14/2020 | 7/14/20-8/13/20: ACCT# 8448 30 0 | 130.49 | |
| 0008153 | | TIME WARNER CABLE- | 0426263071420 | 7/14/2020 | 7/14/20 -8/13/20 FOR THE GOLF | 5.25 | |
| 0011042 | | RELIAS LEARNING | 0139881014 | 8/11/2020 | TRAINING-FORM ONLINE TRAININ | 74.85 | 15,030.12 |
| 90244 | 9/15/2020 | SO CALIF EDISON | 8/19/2020 | 9/10/2020 | BILLING PRD - JULY-AUG 2020 & | 124,231.86 | 124,231.86 |

Voucher:

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| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
|---------|------------|----------|-----------------------------|-----------|------------------------------|-------------|-------------|
| 90245 | 9/15/2020 | 0012593 | WESTAMERICA COMMUNICA | 9/11/2020 | POSTAGE FOR CITYWIDE CENS | 4,031.33 | 4,031.33 |
| | Voucher: | | 337665 | | | | |
| 90246 | 9/15/2020 | 00002527 | PD: BROWN, SAMUEL | 9/10/2020 | REIMB: CASH NEEDED FOR ABC | 500.00 | 500.00 |
| | Voucher: | | ABC GRANT 9/14/ | | | | |
| 90250 | 9/29/2020 | 0012736 | VILLAINS BARBERSHOP | 8/6/2020 | RI CK# 89664: SMALL BUSINESS | 10,000.00 | 10,000.00 |
| | Voucher: | | VILLAINS BARBEI | | | | |
| 90264 | 10/13/2020 | 00004166 | 4 SERVICE INC. | 8/11/2020 | AUG 2020 - OFFSITE DATA STOR | 2,230.00 | |
| | Voucher: | | 200856 | | | | |
| 90265 | 10/13/2020 | 00003502 | ABC BATTERY INC. | 9/1/2020 | SEP 2020 - OFFSITE DATA STOR | 2,230.00 | 4,460.00 |
| | Voucher: | | 200966 | | | | |
| 90266 | 10/13/2020 | 0012681 | ACCELERATED APPRAISALS | 9/3/2020 | 2-BATTERIES FOR UNIT 120 (MR | 498.13 | |
| | Voucher: | | 5097 | | | | |
| 90267 | 10/13/2020 | 0012807 | ACTIVE STATION MAINT | 9/11/2020 | 12- BATTERIES FOR STOCK | 520.78 | 1,018.91 |
| | Voucher: | | 5153 | | | | |
| 90268 | 10/13/2020 | 00004280 | ADAMSON POLICE PRODUCTS | 8/5/2020 | APPRAISALS FOR AFTER HOME | 550.00 | |
| | Voucher: | | 10532mont | | | | |
| 90269 | 10/13/2020 | 0010065 | AFC HYDRAULIC SEALS & | 8/6/2020 | APPRAISALS FOR AFTER HOME | 550.00 | 1,100.00 |
| | Voucher: | | 2915tweep | | | | |
| 90270 | 10/13/2020 | 0012801 | AGUILERA, MARCO ANTONIO | 8/6/2020 | UB REFUND CST #00051065 897: | 109.64 | 109.64 |
| | Voucher: | | Ref000276978 | | | | |
| 90271 | 10/13/2020 | 00004372 | AIRGAS USA, LLC | 9/18/2020 | DIVERSIONARY DEVICE INVENT | 2,099.62 | |
| | Voucher: | | INV335548 | | | | |
| 90272 | 10/13/2020 | 0007802 | AIS SPECIALTY PRODUCTS, INC | 8/31/2020 | DIVERSIONARY DEVICE INVENT | 1,162.48 | 3,262.10 |
| | Voucher: | | INV334126 | | | | |
| 90273 | 10/13/2020 | 0011325 | ALAN'S LAWN & GARDEN CENTE | 8/27/2020 | HOSE ASSEMBLY | 87.60 | |
| | Voucher: | | 30130 | | | | |
| 90274 | 10/13/2020 | 0011577 | ALL PHASE ELECTRIC SUPPLY C | 8/27/2020 | HOSE CONNECTORS FOR SHOF | 30.66 | 118.26 |
| | Voucher: | | 30133 | | | | |
| 90275 | 10/13/2020 | 00000706 | ALTEC INDUSTRIES, INC. | 9/9/2020 | UB REFUND CST #00060245 895: | 84.88 | 84.88 |
| | Voucher: | | Ref000276954 | | | | |
| 90276 | 10/13/2020 | 0012792 | ALVARADO, BLANCA | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | Voucher: | | 9103868564 | | | | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000276916 | 8/20/2020 | HAND WIPES FOR SEWER DIV | 166.12 | 166.12 |
| | | | 9103868564 | 8/6/2020 | POOL CHEMICALS | 123.91 | |
| | | | 9104094295 | 8/13/2020 | POOL CHEMICALS | 152.63 | |
| | | | 9103125106 | 7/9/2020 | POOL CHEMICALS | 141.76 | |
| | | | 9104678752 | 9/1/2020 | INVENTORY PO/SAFETY SUPPLI | 492.61 | 910.91 |
| | | | Ref000 | | | | |

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| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
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| 90277 | 10/13/2020 | 00001727 AMERICAN RED CROSS | 22289014 | 8/12/2020 | LIFEGUARD FIRST AID/CPPR/AED | 284.00 | |
| | Voucher: | | 22287972 | 7/31/2020 | LIFEGUARD FIRST AID/CPPR/AED | 1,227.00 | 1,511.00 |
| 90278 | 10/13/2020 | 00004309 AMERIFLEX | INV355387 | 9/10/2020 | SEP 2020: FSA ADMIN FEE FOR : | 189.00 | 189.00 |
| 90279 | 10/13/2020 | 0009798 ANIMAL FRIENDS PET HOTEL | 415011 | 8/10/2020 | BOARDING AND GROOMING SEF | 164.00 | 164.00 |
| 90280 | 10/13/2020 | 0011121 APRINTCO | 11658 | 9/10/2020 | 2020 CENSUS PROMOTIONAL IT | 3,191.74 | 3,191.74 |
| 90281 | 10/13/2020 | 0007290 APW KNOX-SEEMAN | 15658857 | 9/3/2020 | LIGHT BULBS FOR UNIT 195 | 14.80 | |
| | Voucher: | | 15703661 | 9/17/2020 | ANTIFREEZES, AIR AND OIL FILT | 289.10 | |
| | | | 15709994 | 9/19/2020 | MIRROR FOR UNIT 409 | 38.61 | |
| | | | 767651 | | CREDIT FOR RETURNED PART, F | -71.48 | 271.03 |
| 90282 | 10/13/2020 | 0012667 ARCHITERRA DESGIN GROUP | 27329 | 7/31/2020 | LANDSCAPE ORDINANCE & DES | 2,085.00 | 2,085.00 |
| 90283 | 10/13/2020 | 0012470 ARMCO WASH INC | 164 | 9/3/2020 | AUGUST 2020 CAR WASH SRVS | 700.00 | 700.00 |
| 90284 | 10/13/2020 | 00003529 AT&T | 960-449-6558-9/2/ | 9/16/2020 | BILLING PRD- 09/01/20 - 09/30/20 | 233.69 | |
| | Voucher: | | 248 134-3274-09/2 | 9/7/2020 | BILLING PRD- 09/07/20 - 10/06/20 | 9.28 | 242.97 |
| 90285 | 10/13/2020 | 00004313 AT&T | 2242056502 | 9/5/2020 | BILLING PRD 08/05/20-09/04/20 IF | 1,378.16 | 1,378.16 |
| 90286 | 10/13/2020 | 00003692 AT&T MOBILITY | 875963643X09162 | 9/8/2020 | BILLING PRD- 08/8/20-09/9/20 (PL | 483.77 | |
| | Voucher: | | 2872883333867X0 | 9/2/2020 | BILLING PRD- AUG 2020 - MDCS | 2,732.09 | 3,215.86 |
| 90287 | 10/13/2020 | 00004126 A-THRONE CO INC. | 0000653660 | 8/20/2020 | PORTABLE RESTROOM UNIT RE | 380.74 | |
| | Voucher: | | 0000655031 | 9/12/2020 | PORT REST RENTALS AT SALT L | 190.37 | 571.11 |
| 90288 | 10/13/2020 | 00000201 ATLANTIC LOCK & KEY | 00100 | 9/2/2020 | KEY FOR NEW CYLINDER AT PD | 44.80 | |
| | Voucher: | | 00097 | 8/20/2020 | CITY HALL ADMIN KEYS | 158.40 | |
| | | | 00046 | 9/3/2020 | CHAVEZ PARK RESTROOM ACCI | 226.25 | |
| | | | 16909 | 3/19/2020 | REKEYING, INSTALLATION OF LC | 503.24 | 932.69 |

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| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
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| 90289 | 10/13/2020 | 0010585 | AUTOZONE STORES, INC. | | | | |
| | Voucher: | | | | | | |
| | | | 5488040346 | | CREDIT FOR RETURNED PART, I | -122.26 | |
| | | | 5488049253 | | CREDIT FOR RETURNED PART, I | -18.35 | |
| | | | 5488057651 | | CREDIT FOR RETURNED PART, I | -236.65 | |
| | | | 5488084857 | | CREDIT FOR RETURNED PART, I | -55.80 | |
| | | | 5488092038 | | CREDIT FOR RETURNED PART, I | -146.84 | |
| | | | 5488125171 | 8/31/2020 | BATTERY FOR PD UNIT | 154.95 | |
| | | | 5488141810 | 9/16/2020 | MASS AIR FLOW, SPARK PLUGS | 153.26 | |
| | | | 5488115870 | 8/22/2020 | AC OIL | 26.87 | |
| | | | 5488049187 | 6/19/2020 | BELTS | 18.35 | |
| | | | 5488123514 | 8/29/2020 | OIL FILTER FOR UNIT 483 | 2.97 | |
| | | | 5488127414 | 9/2/2020 | TOW BALL AND BULB FOR UNIT | 29.84 | |
| | | | 5488143820 | 9/18/2020 | FUSES | 18.01 | |
| | | | 5488144883 | 9/19/2020 | HOOD SHOCKS & OIL FILTER FO | 48.21 | |
| | | | 5488139554 | 9/14/2020 | AC OIL | 26.87 | |
| | | | 5488084811 | 7/23/2020 | TRAILER ADJUSTABLE BALL | 55.80 | |
| | | | 5488116171 | 8/22/2020 | ALTERNATOR CONNECTOR FOR | 46.43 | |
| | | | 5488118329 | 8/24/2020 | ALTERNATOR FOR UNIT 448 | 146.84 | |
| | | | 5488137769 | 9/12/2020 | HEADLIGHT LAMP AND RETAINE | 29.03 | |
| | | | 5488134159 | 9/9/2020 | RADIATOR FAN FOR UNIT 172 | 156.44 | |
| | | | 5488134338 | 9/9/2020 | COOLANT SENSOR FOR UNIT 17 | 27.08 | |
| | | | 5488136265 | 9/11/2020 | ALTERNATOR FOR UNIT 409 | 178.59 | |
| | | | 5488117937 | 9/21/2020 | BATT. CURRENT SENSOR FOR L | 22.11 | |
| | | | 5488128890 | 9/4/2020 | AIR FILTER FOR UNIT 303 | 22.04 | |
| | | | 5488134196 | 9/9/2020 | DRAIN PAN | 19.54 | |
| | | | 548135141 | 9/10/2020 | IDLE AIR BYPASS FOR UNIT 446 | 52.00 | |
| | | | 5488136417 | 9/11/2020 | IGNITION START FOR UNIT 409 | 32.24 | |
| | | | 5488107249 | 8/13/2020 | AC COMPRESSOR FOR PD FORI | 302.98 | |
| | | | 5488127459 | 9/2/2020 | OIL PRESSURE SWITCH FOR UN | 38.59 | |
| | | | 5488127462 | | CREDIT FOR RETURNED PART, I | -23.64 | |
| | | | 5488093539 | | CREDIT FOR RETURNED PART, I | -375.94 | 629.56 |

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| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
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| 90290 | 10/13/2020 | 0010615 Voucher: | BEARCOM | 8/3/2020 | AUG 2020 BEARCOM ANNUAL SE | 175.52 | |
| | | | | 8/3/2020 | AUG 2020 BEARCOM ANNUAL SE | 2,270.06 | |
| | | | | 7/1/2020 | JULY 2020 BEARCOM ANNUAL SI | 323.48 | |
| | | | | 7/1/2020 | JULY 2020 BEARCOM ANNUAL SI | 2,270.06 | |
| | | | | 7/1/2020 | JULY 2020 BEARCOM ANNUAL SI | 318.81 | |
| | | | | 8/3/2020 | AUG 2020 BEARCOM ANNUAL SE | 318.81 | |
| | | | | 9/1/2020 | SEP 2020 BEARCOM ANNUAL SE | 2,270.06 | |
| | | | | 9/1/2020 | RENEWAL 7/1/20-6/30/21: TWO V | 2,028.70 | |
| | | | | 8/3/2020 | AUG 2020 BEARCOM ANNUAL SE | 323.48 | |
| | | | | 8/18/2020 | JUL 2012: RENEWAL - TWO WAY | 2,028.70 | 12,503.20 |
| 90291 | 10/13/2020 | 0008001 Voucher: | CAHA | 7/1/2020 | BEARCOM ANNUAL SERVICES F | 175.52 | |
| | | | | 8/31/2020 | 2020 ANNUAL CAHA MEMBERSH | 450.00 | 450.00 |
| 90292 | 10/13/2020 | 0008937 Voucher: | CALIFORNIA FUELS & LUBRICANL | 9/3/2020 | DRIPPER OIL FOR WELLS | 1,268.99 | 1,268.99 |
| 90293 | 10/13/2020 | 0009570 Voucher: | CALIFORNIA CIRCUIT BREAKERS | 8/20/2020 | ADA- DOORS ELECT CIRCUITS | 115.76 | 115.76 |
| 90294 | 10/13/2020 | 00000759 Voucher: | CALIFORNIA FRAME & AXLE | 9/8/2020 | DIFFERENTIAL GEARS AND BEA | 611.77 | 611.77 |
| 90295 | 10/13/2020 | 0011583 Voucher: | CAVANAUGH & ASSOCIATES, P.A | 9/17/2020 | WATER AUDIT | 2,500.00 | 2,500.00 |
| 90296 | 10/13/2020 | 00000898 Voucher: | CENTRAL BASIN MUNI WATER DISG | 9/16/2020 | AUG 2020: RECYCLED WATER & | 60,707.25 | 60,707.25 |
| 90297 | 10/13/2020 | 0006239 Voucher: | CENTRAL FORD | 9/16/2020 | 6- ANTIFREEZE | 126.28 | |
| | | | | 9/14/2020 | TIMING CHAIN FOR UNIT 196 | 89.79 | |
| | | | | 9/14/2020 | MOTOR MOUNT FOR UNIT 195 | 82.18 | |
| | | | | 9/14/2020 | CYLINDER BLOCK FOR UNIT 197 | 1,477.18 | |
| | | | | 9/14/2020 | ENGINE PARTS FOR UNIT 197 | 531.79 | |
| | | | | 9/1/2020 | BELT FOR UNIT 129 | 59.31 | |
| 90298 | 10/13/2020 | 0012793 Voucher: | CHAIDEZ, NOEMI | 9/12/2020 | MOTOR MOUNTS FOR UNIT 198 | 213.42 | 2,579.95 |
| 90299 | 10/13/2020 | 00004492 Voucher: | CI SOLUTIONS | 9/16/2020 | UB REFUND CST #00062831 274: | 80.14 | 80.14 |
| | | | | 8/31/2020 | RENEWAL- 7/1/2020-6/30/2021: IC | 1,965.00 | 1,965.00 |

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| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
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| 90300 | 10/13/2020 | 00005073 Voucher: CITY OF DOWNEY | 234646 | 9/25/2020 | FY 20/21: SEAACA - 2ND INSTALL | 313,769.00 | 313,769.00 |
| 90301 | 10/13/2020 | 00005244 Voucher: CITY OF LAKEWOOD | 5025 | 7/31/2020 | CONTRIBUTION TOWARDS LEG/ | 102.11 | 102.11 |
| 90302 | 10/13/2020 | 00005090 Voucher: CITY OF PARAMOUNT | 0004388 | 9/1/2020 | JAN -MARCH 2020 SHARED MNT | 105.00 | 105.00 |
| 90303 | 10/13/2020 | 0011708 Voucher: CLIENTFIRST TECHNOLOGY | 11494 | 5/31/2020 | IT PROJECT MANAGEMENT | 4,243.75 | 4,243.75 |
| 90304 | 10/13/2020 | 00005110 Voucher: COUNTY OF L.A. DEPT OF PW | RE-PW-20081700 | 8/17/2020 | TS MAINT DDG-THRU JUNE 2020 | 1,139.79 | 1,139.79 |
| 90305 | 10/13/2020 | 0012362 Voucher: CROSSROADS SOFTWARE, INC. | 6973 | 7/30/2020 | CROSSROADS COLLISION DATA | 23,300.00 | 23,300.00 |
| 90306 | 10/13/2020 | 00001423 Voucher: DAILY JOURNAL CORPORATION | B3393438 | 9/4/2020 | BID NOTICE INVITING BIDS - WE | 588.00 | 588.00 |
| 90307 | 10/13/2020 | 00000314 Voucher: DAPEER ROSENBLIT & LITVAK LI | 17518-RI 17296-RI 17635-RI 17186-RI 17636-RI 17187-RI 16943-RI 17404-RI | 6/30/2020 4/30/2020 7/31/2020 3/31/2020 7/31/2020 3/31/2020 1/31/2020 5/31/2020 | JUNE 2020 - (NON APRIL 7-30 2020 - JULY 27-31, 2020 MARCH 2020 - (NC JULY 22-31, 2020 MARCH 2-31 2020 JAN 2020 - (NON C MAY 2020 - (NON C LANDSCAPE ARCHITECTURAL S DESIGN SERVICES FOR FENCIN UB REFUND CST #00058172 254 | 523.70 440.50 228.40 88.90 21.50 4,186.90 1,436.97 1,131.90 1,423.20 5,572.00 81.10 | 8,058.77 |
| 90308 | 10/13/2020 | 0005392 Voucher: DAVID VOLZ DESIGN | 421967 | 9/2/2020 | LANDSCAPE ARCHITECTURAL S | 1,423.20 | 6,995.20 |
| 90309 | 10/13/2020 | 0012794 Voucher: DE LEON, KARINA | 4217979 Ref000276946 | 9/11/2020 9/16/2020 | DESIGN SERVICES FOR FENCIN UB REFUND CST #00058172 254 | 5,572.00 81.10 | 81.10 |
| 90310 | 10/13/2020 | 00004105 Voucher: DELL CATALOG SALES LP | 10400019381 | 6/15/2020 | JAIL SUPPLIES- LIVE SCAN TONI | 727.87 | 727.87 |
| 90311 | 10/13/2020 | 00001565 Voucher: DEPT OF JUSTICE-(DOJ) CENTR | 467868 | 9/3/2020 | AUGUST 2020 - FINGERPRINT AF | 588.00 | 588.00 |
| 90312 | 10/13/2020 | 00004746 Voucher: ELECSYS CORPORATION | SIP-E121944 | 8/28/2020 | AUG 2020: UMS SOFTWARE SUF | 350.00 | 350.00 |
| 90313 | 10/13/2020 | 0005555 Voucher: ELITE EQUIPMENT INC | 40584 40406 40428 | 8/26/2020 8/11/2020 8/13/2020 | HONDA GENERATOR CARBURETOR, SPARK PLUG, AII HONDA GENERATOR | 265.74 564.33 1,226.50 | 2,056.57 |

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| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
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| 90314 | 10/13/2020 | 00001777 | ENGINE PARTS & MACHINE | 20338 | 9/9/2020 | VALVE JOBS FOR UNIT 197 | 459.63 |
| | Voucher: | | | | | | 459.63 |
| 90315 | 10/13/2020 | 00001917 | ENTENMANN - ROVIN CO. | 0154058-IN | 9/17/2020 | BADGES REPAIR/REFINISH/REPI | 247.31 |
| | Voucher: | | | | | | 247.31 |
| 90316 | 10/13/2020 | 0010017 | ENTERPRISE FM TRUST | FBN3997483 | 7/3/2020 | JUL 2020: PD LEASED VEHICLE- | 826.17 |
| | Voucher: | | | | | | 826.17 |
| | | | | FBN4019129 | 8/5/2020 | AUG 2020: PD LEASED VEHICLE | 1,005.22 |
| | | | | FBN3997518 | 7/3/2020 | JUL 2020: PD LEASED VEHICLE- | 1,005.22 |
| | | | | FBN4019269 | 8/5/2020 | AUG 2020: PD- LEASED VEHICLE | 1,488.03 |
| | | | | FBN4039620 | 9/3/2020 | SEP 2020: PD- LEASED VEHICLE | 1,488.03 |
| | | | | FBN4019255 | 8/5/2020 | AUG 2020: PD-LEASED VEHICLE | 2,164.54 |
| | | | | FBN3997570 | 7/3/2020 | JUL 2020: PD- LEASED VEHICLE | 1,488.03 |
| | | | | FBN3997501 | 7/3/2020 | JUL 2020: PD-LEASED VEHICLES | 2,164.54 |
| | | | | FBN4039691 | 9/3/2020 | SEP 2020: PD-LEASED VEHICLE | 2,164.54 |
| | | | | FBN4019233 | 8/5/2020 | AUG 2020: D LEASED VEHICLE- I | 826.17 |
| | | | | FBN4039581 | 9/3/2020 | SEP 2020: PD LEASED VEHICLE- | 826.17 |
| | | | | FBN4039834 | 9/3/2020 | SEP 2020: PD LEASED VEHICLE- | 1,005.22 |
| 90317 | 10/13/2020 | 00000619 | FALCON FUELS, INC. | 23926 | 6/30/2020 | REGULAR UNLEADED FUEL & T/ | 17,618.09 |
| | Voucher: | | | | | | 17,618.09 |
| 90318 | 10/13/2020 | 0012803 | FAST AUTO LOANS | 27089 | 9/18/2020 | REGULAR UNLEADED FUEL & T/ | 8,278.87 |
| | Voucher: | | | | | | 8,278.87 |
| | | | | Ref000276957 | 9/9/2020 | UB REFUND CST #00060129 370 | 175.97 |
| | | | | | | | 175.97 |
| 90319 | 10/13/2020 | 0010625 | FLEETCREW | 41462 | 8/1/2020 | ANNUAL DIESEL PARTICULATE F | 534.95 |
| | Voucher: | | | | | | 534.95 |
| | | | | 41344 | 7/27/2020 | ANNUAL DIESEL PARTICULATE F | 534.95 |
| | | | | 41460 | 8/5/2020 | ANNUAL DIESEL PARTICULATE F | 534.95 |
| | | | | 41458 | 8/1/2020 | ANNUAL DIESEL PARTICULATE F | 534.95 |
| | | | | 41459 | 8/1/2020 | ANNUAL DIESEL PARTICULATE F | 534.95 |
| 90320 | 10/13/2020 | 00003770 | FLEMING ENVIRONMENTAL INC. | 16571 | 9/2/2020 | PERMIT FEE FOR POLICE DEPT | 918.85 |
| | Voucher: | | | | | | 918.85 |
| | | | | 16577 | 9/3/2020 | DESIG OPER INSPECT-ALL FACII | 552.54 |
| 90321 | 10/13/2020 | 0007062 | FONTIS SOLUTIONS | VINV26957 | 8/29/2020 | WATER UTILITY BILLS AND ENVE | 17,361.95 |
| | Voucher: | | | | | | 17,361.95 |
| | | | | VINV26830 | 8/21/2020 | WATER UTILITY BILLS | 3,475.08 |
| 90322 | 10/13/2020 | 0009042 | FORTELT TRAFFIC, INC. | 10159 | 6/1/2020 | FORTELT - 1 YEAR AGREEMENT - | 8,700.00 |
| | Voucher: | | | | | | 8,700.00 |
| | | | | 10160 | 8/1/2020 | FORTELT - 1 YEAR AGREEMENT - | 13,207.00 |
| 90323 | 10/13/2020 | 0010237 | FRONTIER COMMUNICATIONS | 209-057-1084 9/2 | 9/1/2020 | BILLING - 09/01/20-09/30/20 | 45.10 |
| | Voucher: | | | | | | 45.10 |
| 90324 | 10/13/2020 | 0012752 | FUNFLICKS OF SO CAL | 6934173 | 9/21/2020 | MOVIES IN THE PARK | 2,899.00 |
| | Voucher: | | | | | | 2,899.00 |

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| 90325 | 10/13/2020 | 00003955 | GALLS/QUARTERMASTER | 016315076 | 8/21/2020 | UNIFORMS FOR ELECTRICIAN H | 168.94 |
| | | Voucher: | | 016375845 | 8/31/2020 | UNIFORMS FOR ELECTRICIAN H | 256.51 |
| 90326 | 10/13/2020 | 0006890 | GARVEY EQUIPMENT COMPANY | 131701 | 8/26/2020 | TREE STUMP GRINDER & MNI T | 13,303.87 |
| 90327 | 10/13/2020 | 00004934 | GAS COMPANY | 102 000 8100 7 9/; | 9/10/2020 | BILLING PRD- 08/07/20 -09/08/20 | 66.33 |
| | | Voucher: | | 113 798 0362 7 8/; | 8/11/2020 | BILLING PRD- 08/01/20 -09/01/20 | 4,196.86 |
| | | | | 132 600 9400 1 9/; | 9/10/2020 | BILLING PRD- 08/07/20 -09/08/20 | 33.75 |
| | | | | 186 100 7200 3 9/; | 9/11/2020 | BILLING PRD- 08/10/20 -09/09/20 | 201.23 |
| | | | | 013-900-7300-3-0/ | 9/11/2020 | BILLING PRD- 08/10/20 -09/09/20 | 353.86 |
| | | | | 045 400 7300 6-0/ | 9/11/2020 | BILLING PRD- 08/10/20 -09/09/20 | 19.28 |
| | | | | 130 500 9400 5 9/; | 9/10/2020 | BILLING PRD- 08/07/20 -09/08/20 | 77.57 |
| | | | | 126 300 9600 1 9/; | 9/11/2020 | BILLING PRD- 08/10/20 -9/09/20 | 18.16 |
| | | | | 115 800 9600 3 09 | 9/11/2020 | BILLING PRD- 08/10/20 -09/09/20 | 1,130.70 |
| | | | | 083 407 6536 4 9/; | 9/21/2020 | BILLING PRD- 08/18/20 -09/17/20 | 35.83 |
| | | | | 134 700 9400 7 9/; | 9/10/2020 | BILLING PRD- 08/07/20 -09/08/20 | 46.11 |
| | | | | 189 300 9500 7 1C | 9/16/2020 | BILLING PRD- 08/13/20 -09/14/20 | 1,187.01 |
| | | | | 049 200 7902 9 9/; | 9/14/2020 | BILLING PRD- 08/11/20 -09/10/20 | 23.78 |
| 90328 | 10/13/2020 | 0012811 | GAVIRIA, GUILLERMO GIOVANY | 094 300 7500 3 9/; | 9/15/2020 | BILLING PRD- 08/12/20 -09/11/20 | 269.58 |
| | | Voucher: | | Ref000276983 | 9/23/2020 | UB REFUND CST #00061362 930. | 150.39 |
| 90329 | 10/13/2020 | 0012666 | GENERAL ALARM SERVICES, INC | 122953 | 9/1/2020 | JULY 2020: BURGLAR AND FIRE, | 75.00 |
| | | Voucher: | | 123265 | 9/1/2020 | AUGUST 2020: BURGLAR AND FI | 75.00 |
| | | | | 123560 | 9/1/2020 | SEPTEMBER 2020: BURGLAR AN | 75.00 |
| 90330 | 10/13/2020 | 00004869 | GOLDEN STATE WATER COMPAN | 33744100000-09/2 | 9/3/2020 | BILLING PRD- 08/04/20 - 09/02/20 | 260.63 |
| | | Voucher: | | 53744100008 9/2C | 9/3/2020 | BILLING PRD- 08/11/20 - 09/03/20 | 199.54 |
| | | | | 63744100007-9/2C | 9/3/2020 | BILLING PRD- 08/04/20 - 09/02/20 | 1,254.13 |
| | | | | 73744100006-9/2C | 9/3/2020 | BILLING PRD- 08/04/20 - 09/02/20 | 140.83 |
| | | | | 32809400008-9/2C | 9/3/2020 | BILLING PRD- 08/04/20 - 09/02/20 | 44.50 |
| | | | | 29007447310-9/2C | 9/10/2020 | BILLING PRD- 08/05/20 - 09/10/20 | 57.19 |
| 90331 | 10/13/2020 | 0012810 | GONZALEZ, ALEJANDRO | Ref000276982 | 9/23/2020 | UB REFUND CST #00063449 951. | 74.58 |
| | | Voucher: | | | | | 1,956.82 |
| 90332 | 10/13/2020 | 0012805 | GONZALEZ, DAVID | Ref000276976 | 8/6/2020 | UB REFUND CST #00060312 900I | 75.39 |
| | | Voucher: | | | | | 75.39 |
| 90333 | 10/13/2020 | 0008789 | GONZALEZ, VIOLETA ORQUIDIA | 472 | 7/6/2020 | 5/4/20-6/29/20: Q4- FAMILY VIOLE | 4,750.00 |
| | | Voucher: | | | | | 4,750.00 |

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| 90334 | 10/13/2020 | 0008109 Voucher: | 2020-29610 | 8/28/2020 | UNIFORM AND ACCESSORIES FI | 640.77 | 640.77 |
| 90335 | 10/13/2020 | 00002890 Voucher: | 9613410092 9613508374 | 8/6/2020 8/6/2020 | SUPPLIES TO FIX FAUCET FAC. MAINT. FILTER CARTRIDGE | 25.06 113.73 | |
| 90336 | 10/13/2020 | 00000534 Voucher: | 9624251295 165689 | 8/18/2020 8/24/2020 | ELECTRICAL SUPPLIES FOR CK SPARE STAIR STEPS FOR POOL | 2,068.86 772.63 | 2,207.65 772.63 |
| 90337 | 10/13/2020 | 00002524 Voucher: | 531428 | 8/31/2020 | AUGUST 2020: JAIL CLEANING O | 696.40 | 696.40 |
| 90338 | 10/13/2020 | 0012795 Voucher: | Ref000276947 | 9/16/2020 | UB REFUND CST #00060264 313! | 140.25 | 140.25 |
| 90339 | 10/13/2020 | 00002577 Voucher: | 12107617 12079426 | 9/3/2020 8/17/2020 | COLORIMETER DIGITAL SENSOR | 593.09 1,370.31 | |
| 90340 | 10/13/2020 | 0012758 Voucher: | 12099644 | 8/28/2020 | FLD SRV-1V SC200 | 104.73 | 2,068.13 |
| 90341 | 10/13/2020 | 00000989 Voucher: | HARBOR AREA FARMERS MARKI20200831 | 9/8/2020 | PROVIDE FOOD FOR FARM BOX | 4,920.00 | 4,920.00 |
| 90342 | 10/13/2020 | 0011526 Voucher: | HARRIS & ASSOCIATES | 8/5/2020 | 6/28/20-7/25/20: GARFIELD/IMPEI | 3,534.10 | |
| | | | | 8/5/2020 | 6/28/20-7/28/20: DESIGN SVCS - I | 619.84 | |
| | | | | 7/8/2020 | 5/24/20-6/27/20: DESIGN SVCS - I | 619.84 | |
| | | | | 7/8/2020 | 5/24/20-6/27/20: PROF SVCS GAF | 8,476.68 | |
| | | | | 8/20/2020 | MULTI-CHLOR | 523.25 | 13,250.46 |
| | | | | 8/20/2020 | MULTI-CHLOR | 535.70 | |
| | | | | 8/27/2020 | MULTI-CHLOR | 872.08 | |
| | | | | 8/20/2020 | MULTI-CHLOR | 423.58 | |
| | | | | 9/11/2020 | MULTI-CHLOR | 955.43 | |
| | | | | 9/11/2020 | MULTI-CHLOR | 791.82 | |
| | | | | 9/11/2020 | MULTI-CHLOR | 679.14 | |
| | | | | 9/11/2020 | MULTI-CHLOR | 725.45 | 5,506.45 |
| | | | | 9/11/2020 | MULTI-CHLOR | 214.17 | 214.17 |
| 90343 | 10/13/2020 | 0009879 Voucher: | HDL COREN & CONE | 8/20/2020 | 2019-20: AUDIT SERVICES - UNS | 5,988.03 | 5,988.03 |
| 90344 | 10/13/2020 | 00002529 Voucher: | HINDERLITER DE LLAMAS & ASS SIN003120 | 8/28/2020 | QTR 1 2020: AUDIT SERVICES - € | 5,988.03 | 5,988.03 |

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| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
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| 90345 | 10/13/2020 | 00000268 | HOME DEPOT CREDIT SERVICES6340692 | 8/19/2020 | GENERAL MAINTENANCE - MISC | 276.32 | |
| | | Voucher: | 2360002 | 8/3/2020 | MEN'S RESTROOM LIGHT OUT A | 62.60 | |
| | | | 2372314 | 8/13/2020 | TOOL REPLACEMENT FOR FAC. | 185.90 | |
| | | | 2372313 | 8/13/2020 | STALT LOCK DUMP REPAIRED FI | 163.82 | |
| | | | 7340688 | 8/18/2020 | TROUBLESHOOT STREET LIGHT | 15.62 | |
| | | | 7340689 | 8/18/2020 | ASSESS ELECTRICAL ADA DOOF | 216.22 | |
| | | | 4351133 | 8/21/2020 | REPAIRING THE PONY WALL AT | 118.86 | |
| | | | 0360021 | 8/25/2020 | BELL SYSTEM FOR PURCHASIN' | 82.41 | |
| | | | 0040482 | 8/25/2020 | PLAYSAND | 10.98 | |
| | | | 8351139 | 8/27/2020 | WATER - MISC SUPPLIES | 49.47 | |
| | | | 7372376 | 8/28/2020 | VARIOUS WATER SUPPLIES. | 96.92 | |
| | | | 8372369 | 8/27/2020 | STAKES | 129.78 | |
| | | | 2351157 | 9/2/2020 | GROUNDS MAINT. TOOL - ELECT | 658.90 | |
| | | | 3372386 | 9/1/2020 | FACILITY MAINTENANCE SUPPL | 266.89 | |
| | | | 2372389 | 9/2/2020 | GROUNDS MAINTENANCE - TRA | 58.45 | |
| | | | 2351158 | 9/2/2020 | NEW HOCKY PUCK LOCK FOR T | 42.87 | |
| | | | H6627-193828 | | CREDIT FOR RETURNED PART, I | -295.90 | |
| | | | 8372371 | 8/27/2020 | REPAIRED PIPING AND UNCLOG | 56.20 | |
| | | | 0340715 | 9/14/2020 | REPLACEMENT PLANT & HARDV | 27.62 | |
| | | | 8372375 | 8/27/2020 | GRINDER FOR UNIT 645 AND SH | 278.08 | |
| | | | 2360001 | 8/3/2020 | WINDOW AC AT PD SERVER RO | 623.14 | |
| | | | 4372385 | 8/31/2020 | MATERIALS FOR VETS FOUNTAI | 43.58 | |
| | | | 4340711 | 9/10/2020 | GROUNDS - VEHICLE MAINT. SU | 113.30 | |
| | | | 6340709 | 9/8/2020 | VET'S FOUNTAIN DEFOAMER | 37.28 | |
| | | | 9340719 | 9/15/2020 | SUPPLIES FOR GROUNDS MAIN | 106.65 | |
| | | | 1351192 | 9/23/2020 | PARKS YARD SHOP SUPPLIES | 90.19 | |
| | | | 9103052 | 7/7/2020 | MATERIAL TO SECURE ENTRANI | 56.86 | |
| | | | 0351194 | 9/24/2020 | REPLACEMENT GARDENING TO | 126.93 | |
| 90346 | 10/13/2020 | 00000647 | HONEYWELL INTERNATIONAL IN 5252924597 | 9/25/2020 | 10/1/20-10/31/19 - HONEYWELL II | 8,540.00 | 3,699.94 |
| | | Voucher: | 5251859359 | 6/25/2020 | 07/1/20-7/31/20 - HONEYWELL IN | 8,540.00 | |
| | | | 5252498493 | 8/1/2020 | 9/1/20-9/30/20 - HONEYWELL INT | 8,540.00 | |
| | | | 5252186995 | 7/1/2020 | 8/1/20-8/31/20 - HONEYWELL INT | 8,540.00 | |
| 90347 | 10/13/2020 | 0008655 | HYDROSCIENTIFIC WEST | 6/22/2020 | 4/15/20-6/7/20: AS-NEEDED SCAL | 1,230.50 | 34,160.00 |
| | | Voucher: | 2074 | | | 1,230.50 | 1,230.50 |

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| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
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| 90348 | 10/13/2020 | 0012800 | IGLESIA EVANGELICA AP320 | 9/9/2020 | UB REFUND CST #00051086 843 | 58.80 | 58.80 |
| | | | Voucher: Ref000276953 | | | | |
| 90349 | 10/13/2020 | 00000681 | INDUSTRIAL MAINTENANCE SRV16294 | 8/22/2020 | REPL BATTERIES - TWEEDY STA | 1,721.26 | 1,721.26 |
| | | | Voucher: Ref000276951 | | | | |
| 90350 | 10/13/2020 | 0012798 | INDUSTRIES, ACME 5 | 9/9/2020 | UB REFUND CST #00062589 1112 | 13.65 | 13.65 |
| | | | Voucher: Ref000276951 | | | | |
| 90351 | 10/13/2020 | 0006934 | INSIGHT PUBLIC SECTOR, INC | 6/19/2020 | INSIGHT MICROSOFT SURFACE | 990.00 | |
| | | | Voucher: 1100741871 | | | | |
| | | | 1100736596 | 6/2/2020 | INSIGHT MICROSOFT SURFACE | 975.10 | |
| | | | 1100738152 | 6/8/2020 | INSIGHT MICROSOFT SURFACE | 12,864.03 | |
| | | | 1100734111 | 5/21/2020 | INSIGHT MICROSOFT SURFACE | 1,255.75 | |
| | | | 1100734773 | 5/26/2020 | INSIGHT MICROSOFT SURFACE | 14,138.74 | |
| 90352 | 10/13/2020 | 0012804 | JACK ENGLE AND CO | 8/6/2020 | UB REFUND CST #00033955 853i | 50.00 | 30,223.62 |
| | | | Voucher: Ref000276975 | | | | 50.00 |
| 90353 | 10/13/2020 | 00000209 | JHM SUPPLY , INC. | 9/22/2020 | IRRIGATION SYSTEM REPLACEN | 1,495.85 | 1,495.85 |
| | | | Voucher: K57189/3 | | | | |
| 90354 | 10/13/2020 | 0012774 | JOCELYN JIMENEZ | 9/9/2020 | FLOOR STICKER DESIGN | 150.00 | 150.00 |
| | | | Voucher: JIMENEZ 9/9/20 | | | | |
| 90355 | 10/13/2020 | 0005586 | JOE A. GONSALVES & SONS | 9/15/2020 | OCT 2020: LEGISLATIVE ADVOC/ | 2,500.00 | 2,500.00 |
| | | | Voucher: 158516 | | | | |
| 90356 | 10/13/2020 | 0007026 | JOHN DEERE COMPANY | 9/3/2020 | JOHN DEERE MOWERS | 43,124.97 | 43,124.97 |
| | | | Voucher: 116958319 | | | | |
| 90357 | 10/13/2020 | 0011585 | JOHNSON CONTROLS FIRE | 7/17/2020 | SPRINKLER LEAK HOLLYDALE R | 366.00 | 366.00 |
| | | | Voucher: 86908826 | | | | |
| 90358 | 10/13/2020 | 0012791 | JOHNSON, ELIZABETH | 9/16/2020 | UB REFUND CST #00032758 891i | 10.00 | 10.00 |
| | | | Voucher: Ref000276943 | | | | |
| 90359 | 10/13/2020 | 0012778 | JOHNSTON, DANNA | 9/9/2020 | UB REFUND CST #00063676 941i | 147.30 | 204.28 |
| | | | Voucher: Ref000276955 | | | | |
| | | | Ref000276315 | 8/27/2020 | UB REFUND CST #00063676 941i | 56.98 | 129.72 |
| 90360 | 10/13/2020 | 0012781 | JUAREZ, VANESSA | 8/27/2020 | UB REFUND CST #00058910 103i | 129.72 | 129.72 |
| | | | Voucher: Ref000276318 | | | | |
| 90361 | 10/13/2020 | 00003725 | KENNEDY/JENKS CONSULTANTS134236 | 11/5/2019 | AS-NEEDED WATER & SEWER E | 6,333.75 | 7,965.00 |
| | | | Voucher: 135250 | 12/17/2019 | AS-NEEDED WATER & SEWER E | 675.00 | 3,333.33 |
| | | | 134789 | 12/3/2019 | AS-NEEDED WATER & SEWER E | 956.25 | |
| 90362 | 10/13/2020 | 0012510 | KILEY & ASSOCIATES, LLC | 8/31/2020 | AUG 2020: FEDERAL LEGISLATIV | 3,333.33 | 3,333.33 |
| | | | Voucher: SG200831 | | | | |

Final Check List
CITY OF SOUTH GATE

Bank : botw BANK OF THE WEST (Continued)

| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
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| 90363 | 10/13/2020 | 0010895 Voucher: | KIRST PUMP & MACHINE WORKS280484 | 8/20/2020 | REPAIR AURORA PUMP | 995.55 | 995.55 |
| 90364 | 10/13/2020 | 00003387 Voucher: | KNORR SYSTEMS, INC. S1224185 | 8/21/2020 | PULSAR UNIT REPAIRS | 636.34 | 636.34 |
| 90365 | 10/13/2020 | 0007294 Voucher: | KOA CORPORATION JC06052-1 | 5/31/2020 | 4/27/20-5/31/20: CONST INSPECT | 8,485.00 | |
| | | | JC01086-4 | 9/6/2020 | AUG 2020: AS NEEDED GRANT V | 2,532.39 | |
| 90366 | 10/13/2020 | 00005175 Voucher: | LA COUNTY METROPOLITAN JC01086-3 | 8/10/2020 | 6/29/20-7/31/20: AS NEEDED GRA | 9,309.98 | 20,327.37 |
| | | | 105882 | 9/1/2020 | AUG 2020: TAP BUS PASSES | 100.00 | |
| 90367 | 10/13/2020 | 0006905 Voucher: | LA COUNTY SHERIFF'S DEPARTM210254BL | 8/14/2020 | JULY 2020: TAP BUS PASSES | 200.00 | 300.00 |
| | | | | 9/10/2020 | AUGUST 2020: FOOD FOR THE J | 236.59 | 236.59 |
| 90368 | 10/13/2020 | 0012590 Voucher: | LA TRUCK & AUTO INC, NAPA AU | 8/26/2020 | CONTROL ARMS FOR UNIT 167 | 202.42 | |
| | | | 5156-165346 | 9/2/2020 | CUTTER TEETH FOR STREET EC | 355.97 | |
| | | | 5156-165452 | 9/3/2020 | CUTTER TEETH FOR STREET EC | 355.97 | |
| | | | 5156-166157 | 9/9/2020 | COOL TEMP. SENSOR FOR UNIT | 31.58 | |
| | | | 164379 | 9/16/2020 | CREDIT FOR CORE DEPOSIT, IN' | -26.17 | |
| | | | 5156-167048 | 9/16/2020 | AXLE LOCK CLIPS | 7.50 | |
| | | | 5156-166498 | 9/11/2020 | 2- STRUTS FOR UNIT 448 | 963.43 | |
| | | | 5156-166822 | 9/15/2020 | 18- ANTIFREEZE | 171.79 | 2,062.49 |
| 90369 | 10/13/2020 | 0012770 Voucher: | LINKS SIGN LANGUAGE & 0091589-IN | 7/17/2020 | TRANSLATION SERVICES FOR V | 85.00 | 85.00 |
| 90370 | 10/13/2020 | 0012777 Voucher: | LOZANO, FRANCISCO Ref000276314 | 8/27/2020 | UB REFUND CST #00053807 103: | 50.91 | 50.91 |
| 90371 | 10/13/2020 | 0012291 Voucher: | LPA, INC. 96987 | 9/10/2020 | ARCHITECTURL DESIGNS FOR T | 5,044.78 | 5,044.78 |
| 90372 | 10/13/2020 | 0012773 Voucher: | LUISA VILLANUEVA ARTFUL DISTANC | 9/9/2020 | FLOOR STICKER DESIGN: ARTFI | 150.00 | 150.00 |
| 90373 | 10/13/2020 | 0012802 Voucher: | MACLEOD PROPERTIES Ref000276956 | 9/9/2020 | UB REFUND CST #00054174 897: | 161.40 | 161.40 |
| 90374 | 10/13/2020 | 0011433 Voucher: | MARK THOMAS & COMPANY, INC37507 | 8/14/2020 | THRU 8/2/20: PROF SVCS - CHA | 497.12 | 497.12 |
| 90375 | 10/13/2020 | 0012780 Voucher: | MATA, MARIA Ref000276317 | 8/27/2020 | UB REFUND CST #00061670 953I | 82.14 | 82.14 |
| 90376 | 10/13/2020 | 0012783 Voucher: | MAYTAG COIN LAUNDRY Ref000276320 | 8/27/2020 | UB REFUND CST #00055426 803: | 1,143.52 | 1,143.52 |

Bank : botw BANK OF THE WEST (Continued)

| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
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| 90377 | 10/13/2020 | 00004060 Voucher: | MCMMASTER-CARR SUPPLY CO 44513708 44789932 44043999 43992044 | 8/25/2020 8/31/2020 8/17/2020 8/14/2020 | BUTANE TORCH AND GAS METERING PUMP AND REPAIR K SERVICE AND MAINTENANCE OI VALVES | 143.49 1,259.31 425.96 310.15 | |
| 90378 | 10/13/2020 | 0011575 Voucher: | MERCHANTS BUILDING 45547842 594506 597697 | 9/15/2020 7/10/2020 8/31/2020 | METERING PUMPS CLEANING AND DISINFECTING I CLEANING AND DISINFECTING F | 1,259.31 285.00 395.00 | 3,398.22 |
| 90379 | 10/13/2020 | 00003815 Voucher: | MICHELSON LABORATORIES, IN 598184 | 9/21/2020 | CLEANING AND DISINFECTING F | 345.00 | 1,025.00 |
| 90380 | 10/13/2020 | 00004236 Voucher: | MIRACLE RECREATION EQUIPME 80586493 | 8/31/2020 | HETEROTROPIC PLATE - MON | 1,058.75 | 1,058.75 |
| 90381 | 10/13/2020 | 00000447 Voucher: | MISC - BLDG PERMITS 2776 SOUTHERN | 8/31/2020 8/28/2020 | PURCHASE & RENOVATION OF F PROPERTY OWNER CANCELLEI | 144,448.26 63.00 | 144,448.26 63.00 |
| 90382 | 10/13/2020 | 00000447 Voucher: | MISC - BLDG PERMITS 8670 SAN CARLO | 8/28/2020 | CONTRACTOR CANCELLED PER | 52.50 | 52.50 |
| 90383 | 10/13/2020 | 00000346 Voucher: | MISC - BUS LICENSE REFUNDS QUINTANILLA | 8/11/2020 | REFUND PENALTY FEES LICENS | 138.15 | 138.15 |
| 90384 | 10/13/2020 | 00000346 Voucher: | MISC - BUS LICENSE REFUNDS COOLING | 9/14/2020 | REFUND PENALTY FEES LICENS | 98.10 | 98.10 |
| 90385 | 10/13/2020 | 00000346 Voucher: | MISC - BUS LICENSE REFUNDS METROCOM | 9/14/2020 | REFUND PENALTY FEES LICENS | 85.20 | 85.20 |
| 90386 | 10/13/2020 | 00000346 Voucher: | MISC - BUS LICENSE REFUNDS CUSCATLAN | 8/11/2020 | REFUND PENALTY FEES LICENS | 54.60 | 54.60 |
| 90387 | 10/13/2020 | 00000346 Voucher: | MISC - BUS LICENSE REFUNDS E G AUTO | 9/14/2020 | REFUND PENALTY FEES LICENS | 39.45 | 39.45 |
| 90388 | 10/13/2020 | 00000346 Voucher: | MISC - BUS LICENSE REFUNDS DRYWALL | 9/28/2020 | REFUND PENALTY FEES LICENS | 38.50 | 38.50 |
| 90389 | 10/13/2020 | 00000346 Voucher: | MISC - BUS LICENSE REFUNDS LUGGIS TRANS | 9/14/2020 | REFUND PENALTY FEES LICENS | 31.65 | 31.65 |
| 90390 | 10/13/2020 | 00000346 Voucher: | MISC - BUS LICENSE REFUNDS CANDY'S CLOSE | 9/14/2020 | REFUND PENALTY FEES LICENS | 22.50 | 22.50 |
| 90391 | 10/13/2020 | 00000346 Voucher: | MISC - BUS LICENSE REFUNDS 3471 TWEEDY | 8/11/2020 | REFUNDS PENALTY FEES LICEN | 22.35 | 22.35 |

Bank : botw BANK OF THE WEST (Continued)

| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
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| 90392 | 10/13/2020 | 00000346 | MISC - BUS LICENSE REFUNDS XIMARA'S | 8/11/2020 | REFUND PENALTY FEES LICENS | 10.50 | 10.50 |
| | | Voucher: | | | | | |
| 90393 | 10/13/2020 | 00000346 | MISC - BUS LICENSE REFUNDS LESLIES | 9/14/2020 | REFUND PENALTY FEES LICENS | 10.50 | 10.50 |
| | | Voucher: | | | | | |
| 90394 | 10/13/2020 | 00000346 | MISC - BUS LICENSE REFUNDS EL Y ELLA | 9/14/2020 | REFUND PENALTY FEES LICENS | 10.50 | 10.50 |
| | | Voucher: | | | | | |
| 90395 | 10/13/2020 | 00000346 | MISC - BUS LICENSE REFUNDS DENTAL | 9/28/2020 | REFUND PENALTY FEES LICENS | 10.50 | 10.50 |
| | | Voucher: | | | | | |
| 90396 | 10/13/2020 | 00000346 | MISC - BUS LICENSE REFUNDS ASHLEYS | 9/28/2020 | REFUND PENALTY FEES LICENS | 10.50 | 10.50 |
| | | Voucher: | | | | | |
| 90397 | 10/13/2020 | 00000346 | MISC - BUS LICENSE REFUNDS ALEX OUTLET | 9/14/2020 | REFUND PENALTY FEES LICENS | 10.50 | 10.50 |
| | | Voucher: | | | | | |
| 90398 | 10/13/2020 | 00000346 | MISC - BUS LICENSE REFUNDS A S HAIR | 9/28/2020 | REFUND PENALTY FEES LICENS | 10.50 | 10.50 |
| | | Voucher: | | | | | |
| 90399 | 10/13/2020 | 00000346 | MISC - BUS LICENSE REFUNDS PABLO | 9/14/2020 | REFUND PENALTY FEES LICENS | 6.00 | 6.00 |
| | | Voucher: | | | | | |
| 90400 | 10/13/2020 | 00000346 | MISC - BUS LICENSE REFUNDS MORA | 9/28/2020 | REFUND PENALTY FEES LICENS | 3.90 | 3.90 |
| | | Voucher: | | | | | |
| 90401 | 10/13/2020 | 00000346 | MISC - BUS LICENSE REFUNDS PERCY | 9/14/2020 | REFUND PENALTY FEES LICENS | 3.00 | 3.00 |
| | | Voucher: | | | | | |
| 90402 | 10/13/2020 | 00000346 | MISC - BUS LICENSE REFUNDS AVENA | 9/14/2020 | REFUND PENALTY FEES LICENS | 3.00 | 3.00 |
| | | Voucher: | | | | | |
| 90403 | 10/13/2020 | 00000170 | MISC - PKS & REC REFUND 3913-LIFE | 9/14/2020 | 209158-REFUND OF FACILITY DL | 435.00 | 435.00 |
| | | Voucher: | | | | | |
| 90404 | 10/13/2020 | 00000170 | MISC - PKS & REC REFUND 231440-CALVO,JC | 7/23/2020 | RI CK #90129: 231440-REFUND C | 137.00 | 137.00 |
| | | Voucher: | | | | | |
| 90405 | 10/13/2020 | 00000170 | MISC - PKS & REC REFUND 231571-CAMPOS, | 7/23/2020 | RI CK #90159: 231571-REFUND C | 55.00 | 55.00 |
| | | Voucher: | | | | | |
| 90406 | 10/13/2020 | 00000170 | MISC - PKS & REC REFUND 220910-BRONSOI | 7/9/2020 | RI CK #90159: 220910-REFUND C | 40.00 | 40.00 |
| | | Voucher: | | | | | |
| 90407 | 10/13/2020 | 00003458 | MISC - PUBLIC WORKS 8983 STATE ST | 9/2/2020 | REIMB: NEW WATER SERVICE IN | 1,739.62 | 1,739.62 |
| | | Voucher: | | | | | |
| 90408 | 10/13/2020 | 00003458 | MISC - PUBLIC WORKS 8664 CYPRESS | 9/2/2020 | REIMB: NEW WATER SERVICE IN | 1,027.27 | 1,027.27 |
| | | Voucher: | | | | | |

Bank : botw BANK OF THE WEST (Continued)

| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
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| 90409 | 10/13/2020 | 00003458 Voucher: | 2784 LAUREL | 9/2/2020 | REIMB: NEW WATER SERVICE IN | 675.94 | 675.94 |
| 90410 | 10/13/2020 | 00003458 Voucher: | 9235 OTIS | 9/2/2020 | REIMB: NEW WATER SERVICE IN | 594.65 | 594.65 |
| 90411 | 10/13/2020 | 00003458 Voucher: | 10433 ORANGE | 9/2/2020 | REIMBURSTMENT FOR NEW W/ | 334.13 | 334.13 |
| 90412 | 10/13/2020 | 0012779 Voucher: | Ref000276316 | 8/27/2020 | UB REFUND CST #00057826 534 | 80.66 | 80.66 |
| 90413 | 10/13/2020 | 0008506 Voucher: | 129817 | 8/21/2020 | W/E 8/16/2020: PW PROJECT MA | 4,000.00 | |
| | | | 129836 | 9/13/2020 | 09/01/20-09/09/20 - PW PROJECT | 4,000.00 | 8,000.00 |
| 90414 | 10/13/2020 | 0011779 Voucher: | NACHO AUTOMOTIVE REPAIR, IN28255 | 7/6/2020 | SMOG INSPECTION- UNIT 304 | 35.00 | |
| | | | 28361 | 7/20/2020 | SMOG INSPECTION- UNIT 131 | 35.00 | |
| | | | 28454 | 7/31/2020 | SMOG INSPECTION- UNIT 121 | 35.00 | |
| | | | 28730 | 9/14/2020 | SMOG INSPECTION- UNIT 902 | 35.00 | |
| | | | 28225 | 7/1/2020 | SMOG INSPECTION- UNIT 343 | 35.00 | |
| | | | 28227 | 7/1/2020 | SMOG INSPECTION- UNIT 200 | 35.00 | |
| | | | 28248 | 7/6/2020 | SMOG INSPECTION- UNIT 232 | 35.00 | |
| | | | 28317 | 7/14/2020 | SMOG INSPECTION- UNIT 662 | 35.00 | |
| | | | 28319 | 7/14/2020 | SMOG INSPECTION- UNIT 667 | 35.00 | |
| | | | 28322 | 7/15/2020 | SMOG INSPECTION- UNIT 408 | 35.00 | |
| | | | 28327 | 7/15/2020 | SMOG INSPECTION- UNIT 122 | 35.00 | |
| | | | 28345 | 7/17/2020 | SMOG INSPECTION- UNIT 413 | 35.00 | |
| | | | 28458 | 7/31/2020 | SMOG INSPECTION- UNIT 117 | 35.00 | |
| | | | 28581 | 8/20/2020 | SMOG INSPECTION- UNIT 184 | 35.00 | 490.00 |
| 90415 | 10/13/2020 | 00004969 Voucher: | NATIONAL READY MIXED CONCR748290 | 8/28/2020 | CONCRETE FOR 10400 SAN MIG | 844.00 | 844.00 |
| 90416 | 10/13/2020 | 0012286 Voucher: | NATIONWIDE ENVIRONMENTAL, 31029 | 8/15/2020 | AUG 2020: ANNUAL SRTEET SWI | 56,580.00 | 56,580.00 |
| 90417 | 10/13/2020 | 0009990 Voucher: | NATURE'S SELECT PET FOOD 3805 | 8/27/2020 | DOG FOOD MENDEZMAJOR (8/2 | 94.81 | 94.81 |
| 90418 | 10/13/2020 | 0012776 Voucher: | Ref000276313 | 8/27/2020 | UB REFUND CST #00062935 103- | 47.54 | 47.54 |
| 90419 | 10/13/2020 | 0012712 Voucher: | 920023001 | 7/14/2020 | THRU 6/30/20: PROF SVCS - EVE | 10,300.00 | |
| | | | 920023002 | 8/21/2020 | THRU 7/31/20: PROF SVCS - THE | 18,540.00 | 28,840.00 |

Final Check List
CITY OF SOUTH GATE

Bank : botw BANK OF THE WEST (Continued)

| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
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| 90420 | 10/13/2020 | 0012806 NIDOS LLC Voucher: | Ref000276977 | 8/6/2020 | UB REFUND CST #00063228 3801 | 98.86 | 98.86 |
| 90421 | 10/13/2020 | 00003843 NORTH STAR ELECTRONICS, LL(2749 Voucher: | | 8/21/2020 | LIGHTBAR FOR NEW PARKS VEI | 3,125.93 | 3,125.93 |
| 90422 | 10/13/2020 | 0012202 NUMA NETWORKS Voucher: | 27226 | 9/1/2020 | SEP 2020: 24TB BACKUP/ DISAS | 2,000.00 | 2,000.00 |
| 90423 | 10/13/2020 | 00001414 OFFICE DEPOT Voucher: | | 8/11/2020 | OFFICE SUPPLIES | 474.99 | |
| | | | | 8/11/2020 | OFFICE SUPPLIES | 106.35 | |
| | | | | 8/11/2020 | OFFICE SUPPLIES | 56.08 | |
| | | | | 8/18/2020 | OFFICE SUPPLIES | 431.56 | |
| | | | | 8/18/2020 | OFFICE SUPPLIES | 321.76 | |
| | | | | 8/18/2020 | OFFICE SUPPLIES | 145.46 | |
| | | | | 8/19/2020 | OFFICE SUPPLIES | 226.41 | |
| | | | | 8/19/2020 | OFFICE SUPPLIES | 10.13 | |
| | | | | 8/19/2020 | OFFICE SUPPLIES | 94.47 | |
| | | | | 8/20/2020 | OFFICE SUPPLIES | 236.83 | |
| | | | | 8/20/2020 | OFFICE SUPPLIES | 233.72 | |
| | | | | 8/20/2020 | OFFICE SUPPLIES | 35.13 | |
| | | | | 8/20/2020 | OFFICE SUPPLIES | 115.69 | |
| | | | | 8/3/2020 | OFFICE SUPPLIES | 7.55 | |
| | | | | 8/3/2020 | OFFICE SUPPLIES - COVID-19 | 110.03 | |
| | | | | 8/6/2020 | OFFICE SUPPLIES | 60.21 | |
| | | | | 8/6/2020 | OFFICE SUPPLIES | 105.40 | |
| | | | | 8/6/2020 | OFFICE SUPPLIES | 12.00 | |
| | | | | 8/6/2020 | OFFICE SUPPLIES | 434.27 | |
| | | | | 8/11/2020 | OFFICE SUPPLIES | 73.33 | 3,291.37 |
| | | | | 9/14/2020 | FY 2020/21: REP-PARS FEES (CA | 4,800.00 | 4,800.00 |
| 90424 | 10/13/2020 | 00002929 PARS Voucher: | 46370 | | | | |
| 90425 | 10/13/2020 | 00001346 PD: CSULB RESEARCH FOUNDA`2295 Voucher: | 2296 | 9/10/2020 | 8/13/20: TRAINING - MENTAL HE/ | 146.00 | |
| 90426 | 10/13/2020 | 00001477 PD: RIVERSIDE COUNTY SHERIF BCTC0024595 Voucher: | | 9/10/2020 | 8/13/20: TRAINING - MENTAL HE/ | 146.00 | 292.00 |
| | | | | 7/20/2020 | 10/19/20-10/30/20: TRAINING - TR | 226.00 | 226.00 |
| 90427 | 10/13/2020 | 00004713 PETTY CASH- PARKS & REC.DEP7/28/-9/1/2020 Voucher: | | 9/1/2020 | 7/28/2020-9/1/2020: PETTY CASH | 111.59 | 111.59 |

Bank : botw BANK OF THE WEST (Continued)

| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
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| 90428 | 10/13/2020 | 00002335 Voucher: | PITNEY BOWES OCT 2020 | 10/1/2020 | RESERVE ACCOUNT NO. 347190 | 3,000.00 | 3,000.00 |
| 90429 | 10/13/2020 | 0005405 Voucher: | POLLARDWATER.COM 0173095 | 8/12/2020 | WATER SUPPLIES | 478.76 | |
| 90430 | 10/13/2020 | 00000488 Voucher: | PRAXAIR DISTRIBUTION, INC. 0174331 | 8/31/2020 | HYD MTR 3 CF SS | 1,155.97 | 1,634.73 |
| 90431 | 10/13/2020 | 0005368 Voucher: | PRINTCO DIRECT 97883463 | 7/22/2020 | WELDING SUPPLIES AND CYLIN | 137.65 | |
| | | | | 8/22/2020 | WELDING SUPPLIES AND CYLIN | 93.81 | |
| | | | | 9/28/2020 | PRINT SET FOR GARFIELD AVE / | 24.81 | 231.46 |
| | | | | 8/13/2020 | PRINTS AND COPIES FOR THE S | 158.76 | |
| | | | | 9/9/2020 | 2020 CENSUS MARKETING MATI | 8,599.64 | |
| | | | | 3/23/2020 | 2020 CENSUS MARKETING MATI | 1,253.65 | |
| | | | | 6/30/2020 | PRINT SET FOR GARFIELD AVE / | 24.81 | |
| | | | | 7/8/2020 | PRINT SET FOR GARFIELD AVE / | 24.81 | 10,086.48 |
| | | | | 9/9/2020 | FIVE GLOCK LAW ENFORCEMEN | 2,259.72 | |
| 90432 | 10/13/2020 | 00004055 Voucher: | PROFORCE LAW ENFORCEMENT423305 420058 | 8/11/2020 | HK 416 RIFLES FOR PATROL | 19,853.54 | 22,113.26 |
| 90433 | 10/13/2020 | 0012799 Voucher: | PROPERTY FUND 2016LLC, BRE(Ref000276952) | 9/9/2020 | UB REFUND CST #00063501 964! | 42.44 | 42.44 |
| 90434 | 10/13/2020 | 0008159 Voucher: | PUMPMAN, LLC 217588 | 8/18/2020 | 3 PHASE CUTTER PUMP.POLICE | 9,736.00 | 9,736.00 |
| 90435 | 10/13/2020 | 00000168 Voucher: | QUETEL CORP. 15322-RI | 7/6/2020 | RI CK #89582: SATO CG408 3"X2' | 255.50 | |
| 90436 | 10/13/2020 | 00000416 Voucher: | RAPID-O-PRINT 15306-RI | 6/15/2020 | RI CK #89840: RENEWAL- 10/1/20 | 6,634.00 | 6,889.50 |
| 90437 | 10/13/2020 | 0012796 Voucher: | REBOLLAR, YANET 20818 | 6/25/2020 | PERMIT JOB CARDS COMM/RES | 1,415.60 | |
| | | | | 8/25/2020 | PRINTING OF M.O.E. BUDGET B | 165.38 | 1,580.98 |
| | | | | 9/16/2020 | UB REFUND CST #00060850 953! | 176.79 | 176.79 |
| 90438 | 10/13/2020 | 0011881 Voucher: | RICHARD C. SLADE & ASSOCIATI5610 | 6/19/2020 | MAY 2020: CAPTURE ZONE ANAL | 2,997.10 | 2,997.10 |
| 90439 | 10/13/2020 | 00002735 Voucher: | ROADLINE PRODUCTS, INC. 8/19/2020 | 8/19/2020 | TITAN ROCK CATCHER ASSMEB | 1,979.73 | 1,979.73 |
| 90440 | 10/13/2020 | 0012812 Voucher: | ROQUE, JULIO Ref000276984 | 9/23/2020 | UB REFUND CST #00061054 921! | 184.32 | 184.32 |
| 90441 | 10/13/2020 | 00004821 Voucher: | S & J SUPPLY COMPANY, INC. S100159272.001 | 8/14/2020 | WATER SUPPLIES | 341.72 | |
| | | | | 8/28/2020 | WATER SUPPLIES | 551.17 | |
| | | | | 8/25/2020 | WATER SUPPLIES - METER GAS | 163.17 | |
| | | | | 9/17/2020 | MTR LID AND UTILITY PUMP | 970.20 | 2,026.26 |

Bank : botw BANK OF THE WEST (Continued)

| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
|---------|------------|----------|---------------------------------------|-----------|----------------------------------|-------------|-------------|
| 90442 | 10/13/2020 | 0008369 | SAFETY-KLEEN SYSTEM, INC | 8/25/2020 | MOTOR OIL | 834.41 | |
| | | Voucher: | 84087054 | 8/27/2020 | 2DRUMS. MOTOR OIL | 1,471.88 | |
| | | | 84133988 | 8/27/2020 | 1-DRUM. MOTOR OIL | 816.60 | |
| | | | 84133992 | 8/19/2020 | SERVICE PART WASHER | 238.93 | 3,361.82 |
| 90443 | 10/13/2020 | 0010999 | SAFNA ENGINEERING | 9/9/2020 | AUG 2020: PROJECT MGMT SER | 4,165.00 | |
| | | Voucher: | 10210 | 8/5/2020 | PROJECT MGMT SERVICES IN F | 12,733.00 | 16,898.00 |
| | | | 10202 | 6/10/2020 | 7/1/20 TO 9/30/20: BURGLAR ALA | 687.58 | |
| 90444 | 10/13/2020 | 00004834 | SECURITY SIGNAL DEVICES SYSR-00195136 | 8/28/2020 | DVR AND QUAD SPLITTER REPA | 169.00 | |
| | | Voucher: | S-01031335 | 6/10/2020 | 7/1/20-9/30/20: FY 2020/21 ANNU | 3,970.09 | |
| | | | R-00190431 | 7/13/2020 | 7/7/20: WELL 27 CAPTURE CAM I | 810.14 | |
| | | | S-01027411 | 7/23/2020 | 7/20/20: UPDATE KEYPAD CODE | 253.50 | |
| | | | S01028125 | 7/27/2020 | 7/24/20: REPAIR AND MAINTENAI | 169.00 | |
| | | | S-01028447 | 7/20/2020 | 7/14/20: REPAIR AND MAINTENAI | 195.37 | |
| | | | S-01027713 | 9/10/2020 | 9/10/20: SERVICE - FIX FRONT LK | 139.00 | |
| | | | S-01032468 | 9/8/2020 | 10/1/20-12/31/20: FY 2020/21 ANN | 6,892.56 | |
| | | | R-00215412 | 9/8/2020 | 10/01/20-12/31/20: BURGLAR ALJ | 687.58 | |
| | | | R-00217275 | 6/10/2020 | 7/1/20-9/30/20: FY 2020/21 ANNU | 6,892.56 | 24,836.47 |
| | | | R-00191230 | 9/8/2020 | 10/1/20-12/31/20: FY 2020/21 ANN | 3,970.09 | |
| 90445 | 10/13/2020 | 0007073 | SERGIO'S AUTO UPHOLSTERY | 9/3/2020 | SEAT REPAIR- UNIT 195 | 150.00 | |
| | | Voucher: | 2036 | 9/26/2020 | SEAT REPAIR FOR UNIT190 | 125.00 | |
| | | | 2051 | 9/10/2020 | SEAT REPAIR- UNIT 147 | 275.00 | 550.00 |
| 90446 | 10/13/2020 | 00002616 | SHRED-IT US JV LLC | 8/31/2020 | AUGUST 2020: SHREDDING OF I | 80.24 | 80.24 |
| | | Voucher: | 8180413673 | 8/20/2020 | STREET LIGHT REPAIRS | 33.27 | |
| 90447 | 10/13/2020 | 00004857 | SMITH FASTENER COMPANY | 7/9/2020 | FASTENERS | 49.46 | |
| | | Voucher: | 0028281 | 8/13/2020 | FASTENERS | 139.97 | 222.70 |
| | | | 0027451 | 9/22/2020 | INVENTORY PO/ WATER PARTS | 1,968.35 | 1,968.35 |
| | | | 0028142 | 8/31/2020 | JUL 2020: PUBLIC NOTICES - CL | 1,945.36 | 1,945.36 |
| 90448 | 10/13/2020 | 0012098 | SO CAL COMPTON PIPE SUPPLY 1749 | 8/19/2020 | FINGERTIP BAND/40 | 45.09 | 45.09 |
| | | Voucher: | 8180413673 | | | | |
| 90449 | 10/13/2020 | 0012750 | SOUTHERN CALIFORNIA NEWS (0000490300 | | | | |
| | | Voucher: | | | | | |
| 90450 | 10/13/2020 | 00004908 | STATUS ONE MEDICAL INC | | | | |
| | | Voucher: | 60518 | | | | |

Bank : botw BANK OF THE WEST (Continued)

| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
|---------|------------|----------|--------------------------------------|-----------|---------------------------------|-------------|-------------|
| 90451 | 10/13/2020 | 0005394 | 1377 | 9/13/2020 | BACKGROUND INVESTIGATION I | 1,341.95 | |
| | | Voucher: | 1378 | 9/18/2020 | BACKGROUND INVESTIGATION I | 1,300.00 | |
| | | | 1376 | 9/15/2020 | BACKGROUND INVESTIGATION I | 1,300.00 | |
| | | | 1379 | 9/16/2020 | BACKGROUND INVESTIGATION I | 1,341.95 | 5,283.90 |
| 90452 | 10/13/2020 | 0012514 | INV-7380 | 3/3/2020 | XC2 CLIENT/WERVER SOFTWARE | 2,550.00 | 2,550.00 |
| 90453 | 10/13/2020 | 00004921 | INVP500236891 | 8/25/2020 | GOPHER TRAPS/ROUNDUP - GR | 931.38 | 931.38 |
| 90454 | 10/13/2020 | 00002665 | 7029907 | 5/21/2020 | REPAIRS TO UNIT # 203 | 20,867.96 | 20,867.96 |
| 90455 | 10/13/2020 | 0012184 | TEXTRON SPECIALIZED VEHICLE92278426 | 9/10/2020 | GROUPS - EQUIPMENT REPLA | 669.15 | 669.15 |
| 90456 | 10/13/2020 | 0010457 | 112642 | 8/15/2020 | FY2019-20 AUDIT | 20,000.00 | 20,000.00 |
| 90457 | 10/13/2020 | 0008153 | 0044267082720 | 8/27/2020 | 8/01/20-08/31/20 PD CONTROLA | 281.30 | |
| | | Voucher: | 0507757081520 | 8/15/2020 | 8/15/20-9/14/20 FOR CITY YARD | 25.23 | |
| | | | 0879974082920 | 8/29/2020 | 8/29/20-9/28/20 POLICE STATION | 27.69 | |
| | | | 0008335090120 | 9/1/2020 | ACCT# 844830 017 0008335 - 9/1/ | 161.26 | 495.48 |
| | | | 16180482 | 9/25/2020 | 2- TIRES FOR UNIT 563 & 367. | 293.31 | 293.31 |
| 90459 | 10/13/2020 | 0012797 | Ref000276950 | 9/9/2020 | UB REFUND CST #00055496 865 | 11.20 | 11.20 |
| 90460 | 10/13/2020 | 0012809 | Ref000276980 | 8/6/2020 | UB REFUND CST #00059057 562 | 159.31 | 159.31 |
| 90461 | 10/13/2020 | 00003438 | TRANS UNION-SOUTHERN CALLI 080004993 | 8/25/2020 | 07/26/20-08/25/20: CREDIT CHEC | 69.35 | |
| | | Voucher: | 06005057 | 6/25/2020 | 05/26/20-06/25/20: CREDIT CHEC | 124.83 | 194.18 |
| 90462 | 10/13/2020 | 0010699 | INV-0003578077-F 5/4/2020 | 5/4/2020 | RI CK #88892: APR 2020 - CONST | 4,037.34 | 4,037.34 |
| 90463 | 10/13/2020 | 00000493 | 5847636 | 8/25/2020 | TRUSTEE FEE - 2012 WTR REV E | 1,000.00 | |
| | | Voucher: | 5848993 | 8/25/2020 | TRUSTEE FEE - 2014A TAR B | 1,000.00 | |
| | | | 5848995 | 8/25/2020 | TRUSTEE FEE - 2014B TAR B | 1,000.00 | 3,000.00 |
| 90464 | 10/13/2020 | 0008005 | U.S. BANK-PARS ACCT#67460225OCT 2020 | 10/1/2020 | PARS SUPPLMNTL RETIREMNT I | 5,556.97 | |
| | | Voucher: | AUG 2020-SHORT | 8/1/2020 | AUG 2020 SHORTAGE: PARS SUI | 35.62 | |
| | | | SEP 2020 SHORT | 9/1/2020 | SEP 2020 SHORTAGE: PARS SUF | 35.62 | 5,628.21 |

Bank : botw BANK OF THE WEST (Continued)

| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
|---------|------------|----------|--|-----------|----------------------------------|-------------|-------------|
| 90465 | 10/13/2020 | 0008005 | U.S. BANK-PARS ACCT#67460225NOV 2020 - LOUIE | 11/1/2020 | KEN LOUIE: PARS - EXCESS BEN | 160.00 | |
| | | Voucher: | NOV 2020 - R.BAT | 11/1/2020 | RON BATES: PARS - EXCESS BE | 680.00 | |
| 90466 | 10/13/2020 | 0012817 | NOV 2020 - MOST | 11/1/2020 | M.MOSTAKHAMI: PARS - EXCES | 550.00 | 1,390.00 |
| | | Voucher: | ULITILY COST MANAGEMENT LLC24576 | 6/15/2020 | UTILITY AUDIT SERVICE - 42% S | 1,656.32 | |
| 90467 | 10/13/2020 | 00004964 | 24646 | 8/20/2020 | UTILITY AUDIT SERVICE - 42% S | 1,596.55 | 3,252.87 |
| | | Voucher: | UNDERGROUND SERVICE ALERTDSB20194571 | 9/1/2020 | CALIFORNIA STATE FEE REGUL | 154.27 | |
| 90468 | 10/13/2020 | 0012808 | 820200189 | 9/1/2020 | DIGALERT TICKET CHARGES | 526.45 | 680.72 |
| | | Voucher: | Ref000276979 | 8/6/2020 | UB REFUND CST #00063390 456 | 153.55 | 153.55 |
| 90469 | 10/13/2020 | 0011926 | 0060271 | 8/31/2020 | AUG 2020: C001982A... DOCUMEN | 59.54 | |
| | | Voucher: | 0060270 | 8/31/2020 | AUG 2020: C001982AR DOCUMI | 8.88 | |
| | | | 0060269 | 8/31/2020 | AUG 2020: C001982VAP DOCUME | 37.86 | |
| | | | 0060268 | 8/31/2020 | AUG 2020: C001982WACCNT DOC | 22.80 | |
| | | | 0060267 | 8/31/2020 | AUG 2020: C001982 DOCUMENT | 27.36 | |
| | | | 0060273 | 8/31/2020 | AUG 2020: C001982PERS DOCU | 36.48 | |
| | | | 0060272 | 8/31/2020 | AUG 2020 C001982PAYROLL DO | 13.68 | 206.60 |
| 90470 | 10/13/2020 | 00004975 | 29420 | 9/3/2020 | VEST- ENFORCER CONCEALABI | 545.88 | |
| | | Voucher: | 29574 | 9/15/2020 | VEST- ENFORCER CONCEALABI | 545.88 | 1,091.76 |
| 90471 | 10/13/2020 | 00003928 | 788757000-JUL 2 | 7/1/2020 | JUL 2020 - PRINCIPAL DUE: COS | 110,000.00 | |
| | | Voucher: | 788757000-JUN 2 | 6/1/2020 | JUN 2020 - PRINCIPAL DUE: COS | 110,000.00 | |
| | | | 788757000-SEP 2 | 9/1/2020 | SEP 2020 - PRINCIPAL DUE: COS | 110,000.00 | |
| | | | 788757000-AUG 2 | 8/1/2020 | AUG 2020 - PRINCIPAL DUE: COS | 110,000.00 | |
| | | | 788757000-OCT 2 | 10/1/2020 | OCT 2020: COSG 2005 PENSION | 167,493.33 | 607,493.33 |
| 90472 | 10/13/2020 | 00000379 | 68519850 | 9/10/2020 | BILLING -08/01/2020 - 08/31/2020 | 82.08 | |
| | | Voucher: | 06068917 | 8/25/2020 | BILLING -07/15/2020 - 08/14/2020 | 40.00 | 122.08 |
| 90473 | 10/13/2020 | 0011599 | 2964 | 6/30/2020 | COVID-19 TESTING | 4,941.00 | |
| | | Voucher: | 2811 | 5/31/2020 | PD- MEDICAL SERVICES | 14,557.00 | |
| | | | 2851 | 6/30/2020 | PD- MEDICAL SERVICES | 14,637.00 | 34,135.00 |
| 90474 | 10/13/2020 | 00002634 | 72703388 | 9/9/2020 | ASPHALT FOR ST DIV | 168.63 | |
| | | Voucher: | 72703389 | 9/9/2020 | ASPHALT FOR ST DIV | 167.82 | |
| | | | 72708136 | 9/14/2020 | ASPHALT FOR ST DIV | 251.03 | |
| | | | 72674595 | 8/12/2020 | ASPHALT FOR ST DIV | 246.11 | |
| | | | 301827 | 8/31/2020 | FINANCE CHARGE ON PAST DUE | 30.82 | |
| | | | 72687600 | 8/24/2020 | ENVIROMENTAL FEE AGG & ASP | 945.80 | 1,810.21 |

Bank : botw BANK OF THE WEST (Continued)

| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
|---------|------------|--|----------------|-----------|------------------------------|-------------|-------------|
| 90475 | 10/13/2020 | 0011064 W.A. RASIC CONSTRUCTION, CO342766 Voucher: | | 9/4/2020 | 10" WATER MAIN REPAIR PATAT# | 6,189.94 | 6,189.94 |
| 90476 | 10/13/2020 | 00000028 WATER REPLENISHMENT DISTRI00000028 Voucher: | | 9/24/2020 | JULY 2020: ALPHA# 4590 GROUN | 298,070.78 | 298,070.78 |
| 90477 | 10/13/2020 | 0012212 WAVETRONIX, LLC. Voucher: | INV00000000218 | 8/17/2020 | REPLACEMENT CLICK 600 CABII | 1,712.00 | 1,712.00 |
| 90478 | 10/13/2020 | 00002593 WAXIE'S SANITARY SUPPLY Voucher: | 79397635 | 8/17/2020 | INVENTORY PO/ HAND SANITIZE | 820.13 | 820.13 |
| 90479 | 10/13/2020 | 0010471 WEBSTER'S BEE'S REMOVAL SR'1485 Voucher: | | 9/2/2020 | BEE REMOVAL AT 6020 GARDEN | 235.00 | |
| | | | 1492 | 9/9/2020 | BEE REMOVAL AT 2520 MISSOUF | 235.00 | |
| | | | 1473 | 8/25/2020 | REMOVAL NEST UP TOP A DOOF | 235.00 | 705.00 |
| 90480 | 10/13/2020 | 0010476 WECK LABORATORIES INC Voucher: | WOH1699-COSOL | 8/31/2020 | WATER QUALITY SAMPLING | 65.00 | |
| | | | WOH1113-COSOL | 8/20/2020 | SAMPLES | 100.00 | |
| | | | WOH1055-COSOL | 9/28/2020 | SAMPLES | 30.00 | |
| | | | WOI0375-COSOU | 9/4/2020 | WATER QUALITY SAMPLING | 190.00 | |
| | | | WOI0382-COSOU | 9/4/2020 | WATER QUALITY SAMPLING | 75.00 | |
| | | | WOI0734-COSOU | 9/10/2020 | WATER QUALITY SAMPLING | 75.00 | |
| | | | WOI0748-COSOU | 9/10/2020 | WATER QUALITY SAMPLING | 65.00 | |
| | | | WOI0799-COSOU | 9/11/2020 | WATER QUALITY SAMPLING | 30.00 | |
| | | | WOH1644-COSOL | 8/28/2020 | SAMPLES | 70.00 | |
| | | | WOH1614-COSOL | 8/27/2020 | SAMPLES | 65.00 | |
| | | | WOH0893-COSOL | 8/18/2020 | SAMPLES | 130.00 | |
| | | | WOH1318-COSOL | 8/24/2020 | SAMPLES | 150.00 | |
| | | | WOH0769-COSOL | 8/13/2020 | SAMPLES | 190.00 | 1,235.00 |
| 90481 | 10/13/2020 | 0012782 WRT INVESTMENTS INC Voucher: | Ref000276319 | 8/27/2020 | UB REFUND CST #00063517 993: | 134.62 | 134.62 |
| 90482 | 10/13/2020 | 00000058 XEROX CORP Voucher: | 11278070 | 9/11/2020 | AUG-2020 COPIER LEASE AGRM | 1,129.77 | |
| | | | 10822169 | 9/11/2020 | AUG-2020 COPIER LEASE AGRM | 446.08 | 1,575.85 |

Bank : botw BANK OF THE WEST (Continued)

| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
|--|------------|--|---------------|-----------|--------------------------------|---------------------|-------------|
| 90483 | 10/13/2020 | 00000058 XEROX CORP | 11278064 | 9/11/2020 | AUG-2020 COPIER LEASE AGRM | 547.61 | |
| | | Voucher: | 11278065 | 9/11/2020 | AUG-2020 COPIER LEASE AGRM | 212.45 | |
| | | | 11278066 | 9/11/2020 | AUG-2020 COPIER LEASE AGRM | 212.39 | |
| | | | 11278073 | 9/11/2020 | AUG-2020 COPIER LEASE AGRM | 212.44 | |
| | | | 11358171 | 9/11/2020 | AUG-2020 COPIER LEASE AGRM | 791.07 | |
| | | | 11278069 | 9/11/2020 | AUG-2020 COPIER LEASE AGRM | 263.54 | |
| | | | 11278067 | 9/11/2020 | AUG-2020 COPIER LEASE AGRM | 399.17 | |
| 90484 | 10/13/2020 | 0006745 XTREME AUTOBODY | 11278072 | 9/11/2020 | AUG-2020 COPIER LEASE AGRM | 225.15 | 2,863.82 |
| | | Voucher: | 2287 | 9/2/2020 | WINDSHIELD REPAIR- UNIT 155 | 90.00 | 90.00 |
| 90485 | 10/13/2020 | 00003442 YOUNGBLOOD & ASSOCIATES, I1207A | | 8/26/2020 | PRE-EMPLOYMENT POLYGRAP | 300.00 | |
| | | Voucher: | 1205A | 8/26/2020 | PRE-EMPLOYMENT POLYGRAP | 300.00 | |
| | | | 1224A | 9/14/2020 | PRE-EMPLOYMENT POLYGRAP | 300.00 | |
| | | | 1228A | 9/14/2020 | PRE-EMPLOYMENT POLYGRAP | 300.00 | |
| | | | 1233A | 9/14/2020 | PRE-EMPLOYMENT POLYGRAP | 300.00 | |
| | | | 1234A | 9/14/2020 | PRE-EMPLOYMENT POLYGRAP | 300.00 | |
| | | | 1235A | 9/14/2020 | PRE-EMPLOYMENT POLYGRAP | 300.00 | |
| 90486 | 10/13/2020 | 00000062 ZIEGLER'S HARDWARE & SUPPLY09983 | | 9/18/2020 | PIPE REPAIR CLAMP | 8.81 | 2,100.00 |
| | | Voucher: | 09935 | 9/3/2020 | NEW KEYS FOR VETS FOUNTAIN | 26.33 | |
| | | | 09900 | 8/26/2020 | LOCK TO SECURE ELECTRICAL | 15.96 | |
| | | | 09929 | 9/2/2020 | WAX RINGS FOR SHOP AND JOE | 8.24 | |
| | | | 09916 8/29/20 | 8/29/2020 | PM RESTROOM #4 AT SG PARK, | 16.64 | |
| | | | 09910 | 8/29/2020 | AED UNITS- BATTERIES | 154.04 | |
| | | | 09904 | 8/27/2020 | BOLTS FOR NEW MOUNTING PL | 8.54 | |
| | | | 09907 | 8/27/2020 | MATERIALS FOR URINAL IN THE | 22.01 | |
| | | | 09898 | 8/26/2020 | DRILL AND WD-40 | 92.59 | |
| | | | 09882 | 8/19/2020 | VARIOUS WATER SUPPLIES | 47.35 | |
| | | | 09903-2020 | 8/27/2020 | 2-RAZOR SCRAPER | 8.80 | 409.31 |
| 38553632 | 10/5/2020 | 00001186 EMPLOYMENT DEVELOPMENT DL1260875488 | | 7/30/2020 | UI INSURANCE BENEFIT CHARG | 66,213.00 | |
| | | Voucher: | L1494770144 | 8/19/2020 | CARES ACT CREDIT 4/1/20-6/30/2 | -33,067.00 | 33,146.00 |
| Sub total for BANK OF THE WEST: | | | | | | 2,398,730.20 | |

227 checks and 2 wire transfers in this report.

Grand Total All Checks and Wire Transfers: 2,398,730.20

WARRANT REGISTER FOR COUNCIL MEETING 10/13/2020

PART IVa

apChkLst

09/24/2020 12:10:33PM

Final Check List

CITY OF SOUTH GATE

Page: 1

Bank : botw BANK OF THE WEST

| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
|---------|---------------|----------|--|-----------|-----------------------------|-------------|-------------|
| 1949 | 9/17/2020 | 00000004 | NATIONWIDE RETIREMENT SOLL Ben276268 | 9/17/2020 | DEF COMP NATIONWIDE: PAYME | 48,789.38 | 48,789.38 |
| | Voucher: 1949 | | | | | | |
| 1950 | 9/17/2020 | 00002370 | INTERNAL REVENUE SERVICE Ben276270 | 9/17/2020 | MEDICARE: PAYMENT | 150,675.70 | 150,675.70 |
| | Voucher: 1950 | | | | | | |
| 1951 | 9/17/2020 | 00004836 | SEIU LOCAL 721 CTW CLC-23900 Ben276272 | 9/17/2020 | SEIU DUES: PAYMENT | 3,276.25 | 3,276.25 |
| | Voucher: 1951 | | | | | | |
| 1952 | 9/17/2020 | 00000343 | PUBLIC EMPLOYEES RETIREMENT Ben276274 | 9/17/2020 | PERS RETIREMENT: PAYMENT | 230,677.52 | 230,677.52 |
| | Voucher: 1952 | | | | | | |
| 1953 | 9/17/2020 | 00001186 | EMPLOYMENT DEVELOPMENT DBen276276 | 9/17/2020 | SDI: PAYMENT | 50,508.74 | 50,508.74 |
| | Voucher: 1953 | | | | | | |
| 1954 | 9/17/2020 | 00004996 | SEIU-COPE LOCAL 721, LAVOC CIBen276278 | 9/17/2020 | SEIU- COPE LOCAL 721 DEDUCT | 39.00 | 39.00 |
| | Voucher: 1954 | | | | | | |
| 1955 | 9/17/2020 | 00004988 | CHILD SUPPORT ON-LINE, STATE Ben276280 | 9/17/2020 | CHILD SUPPORT-ONLINE: PAYMI | 2,195.54 | 2,195.54 |
| | Voucher: 1955 | | | | | | |

Sub total for BANK OF THE WEST: 486,162.13

7 wire transfers in this report.

Grand Total All Wfe Transfers: 486,162.13

WARRANT REGISTER FOR COUNCIL MEETING 10/13/2020

PART IVb

apChkLst
10/05/2020 9:34:59AM

Final Check List
CITY OF SOUTH GATE

Page: 1

Bank : botw BANK OF THE WEST

| Check # | Date | Vendor | Invoice | Inv Date | Description | Amount Paid | Check Total |
|---------|-----------|----------|------------------------------|-----------|-------------|-----------------------------|-------------|
| 1937 | 9/3/2020 | 00004708 | PERS HEALTH PLAN | Ben275634 | 9/3/2020 | OCT 2020 MEDICAL HMO ANTHE | 392,896.57 |
| | | Voucher: | | | | | |
| 1956 | 10/1/2020 | 00000004 | NATIONWIDE RETIREMENT SOLL | Ben276823 | 10/1/2020 | DEF COMP NATIONWIDE: PAYME | 61,749.64 |
| | | Voucher: | | | | | |
| 1957 | 10/1/2020 | 00004836 | SEIU LOCAL 721 CTW CLC-23900 | Ben276825 | 10/1/2020 | SEIU DUES: PAYMENT | 3,275.80 |
| | | Voucher: | | | | | |
| 1958 | 10/1/2020 | 00002370 | INTERNAL REVENUE SERVICE | Ben276827 | 10/1/2020 | MEDICARE: PAYMENT | 148,896.26 |
| | | Voucher: | | | | | |
| 1960 | 10/1/2020 | 00000343 | PUBLIC EMPLOYEES RETIREMENT | Ben276831 | 10/1/2020 | PERS RETIREMENT: PAYMENT | 233,150.79 |
| | | Voucher: | | | | | |
| 1961 | 10/1/2020 | 00001186 | EMPLOYMENT DEVELOPMENT D | Ben276833 | 10/1/2020 | SDI: PAYMENT | 49,729.80 |
| | | Voucher: | | | | | |
| 1962 | 10/1/2020 | 00004996 | SEIU-COPE LOCAL 721, LA/OC C | Ben276835 | 10/1/2020 | SEIU- COPE LOCAL 721 DEDUCT | 39.00 |
| | | Voucher: | | | | | |
| 1963 | 10/1/2020 | 00004988 | CHILD SUPPORT ON-LINE, STATE | Ben276837 | 10/1/2020 | CHILD SUPPORT-ONLINE: PAYMI | 2,195.54 |
| | | Voucher: | | | | | |

Sub total for BANK OF THE WEST: 891,933.40

8 wire transfers in this report.

Grand Total All Wire Transfers: 891,933.40

**WARRANT REGISTER SUMMARY
CITY COUNCIL MEETING 10/13/2020**

| | |
|--|---------------------|
| TOTAL PART Ia - PAYROLL-RELATED CHECKS | 1,542.45 |
| TOTAL PART Ib - PAYROLL-RELATED CHECKS | 54,540.55 |
| TOTAL PART II - PREPAID CHECK (9/22/2020) | 312,518.00 |
| TOTAL PART III - ACCOUNTS PAYABLE CHECKS | 2,398,730.20 |
| TOTAL PART IVa - PAYROLL-RELATED WIRE TRANSFERS | 486,162.13 |
| TOTAL PART IVb - PAYROLL-RELATED WIRE TRANSFERS | 891,933.40 |
| | <hr/> |
| SUB - TOTAL | 4,145,426.73 |
| LESS: VOIDS | (30,817.03) |
| LESS: EMPLOYEE PAYROLL DEDUCTIONS | (661,488.37) |
| | <hr/> |
| GRAND TOTAL | 3,453,121.33 |

